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ALFA  
LAVAL

# Close at hand

Spare parts for Pumps, Hygienic Fluid Handling Equipment,  
September 2022





# 1. Pumps

Our pumps are developed not only to meet your demands for safety, efficiency and hygiene, but also to ensure the careful handling of your products.



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# 1.1 General information

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# Total piece of mind

## Genuine spare parts and service kits

Alfa Laval spare parts are engineered and machined for optimal fit with guarantee for superior performance and uptime.

Using Alfa Laval genuine spare parts ensures the lowest possible total cost of ownership over the entire life cycle of your Alfa Laval equipment.

Furthermore the Alfa Laval spare parts meet all certification requirements and include documentation package with full traceability (1935/2004/EC) compliance with hygienic standards USP, FDA, EU-regulations, 3-A, EHEDG, ASME BPE, etc.

Alfa Laval spare parts are available 24/7 through extensive network of channel partners and distribution centres, and you can always contact us for technical service support and training, if needed.

### Benefits when buying genuine spare parts:

- Certified materials
- Guaranteed performance - tested in laboratories.
- Maximum uptime – proven reliability.
- Longer maintenance intervals.
- Continuously improvement to meet the highest requirements and hygienic standards.
- 3 years extended warranty on the pumps & valves.

### Service kits

Alfa Laval recommends that you buy complete service kits instead of individual parts, as each service kit contain all the spare parts you need for general maintenance.

Furthermore, the complete service kits gives you several other advantages such as:

- Save time - simply order one service kit, rather than a lot of individual items.
- Each service kit has a single part number - less stock numbers to deal with.
- The price of the service kits is less than the total price of the individual items.
- You do not have to carry a large spare parts inventory.
- Service kit for UltraPure products include full Alfa Laval Q-doc package.
- Each service kit contains a small instruction with a QR code, with access to our service & maintenance guidelines and videos.



### The right o-ring quality

O-ring compression and swell are very important to be within the design limits of the pump and seal tolerances. If these are not correct, the seal will leak.

The grade of manufacture of the o-rings determines its characteristics:

- Hardness
- Tensile strength
- Compression set
- Swelling

## Lubricant for Hygienic Fluid Handling Equipment

### Alfa Laval Silicone-based Food-grade Lubricant

The Alfa Laval high-performance food-grade lubricant is based on silicone and developed for all types of rubber seals in contact with foodstuff.

Please notice the lubricant cannot be used for internal actuator seals.

For use by service and maintenance of your valves and pumps the following are now available:

- Item number: 8010014426
- Each bag contains a QR-code with access to the data sheet
- 1 bag of Alfa Laval Lubricants, containing 100 small bags of 2g each

Find the item in Anytime.





## Specially designed service tools for Alfa Laval equipment

### Alfa Laval service tools

Part of our Alfa Laval 360° Service Portfolio, Alfa Laval service tools are especially developed to protect Alfa Laval hygienic equipment from faulty service and minimize downtime during maintenance.

#### Use

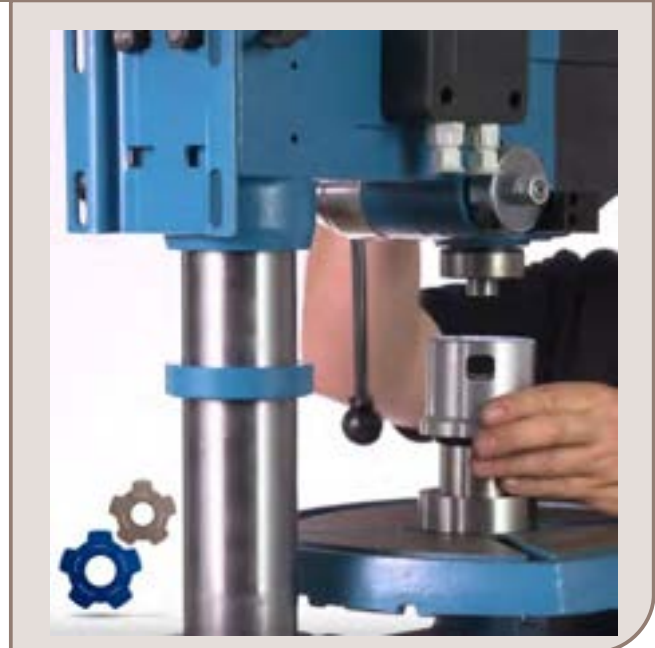
Alfa Laval has the specific tools required to service Alfa Laval hygienic equipment. These include tools for installing, operating, maintaining our hygienic equipment.

#### Benefits

Using the correct Alfa Laval service tools will:

- Decrease service time
- Protect staff from unnecessary safety risks
- Secure service quality
- Maintain equipment performance

Alfa Laval tools are specially designed for Alfa Laval equipment and enables exchange of wear parts in safe order for both the service operator and the equipment.



## Technical data - stainless steel and rubber material

### Technical Information

Our stainless steel material have the following demands to the contents of the most essential alloys:

Descriptions	Standard	Chrome Cr%	Nickel Ni%	Molybdenum	
				Mo%	Carbon C%
AISI 304	ASTM A270	18.0-20.0	8.0-10.5	0.0	≤ 0.08
AISI 304L	ASTM A270	18.0-20.0	8.0-12.0	0.0	≤ 0.03
AISI 316L	ASTM A270	16.0-18.0	10.0-14.0	2.0-3.0	≤ 0.03
1.4301 (304)	EN 10088-1 (X 5CrNi18-10)	17.0-19.5	8.0-10.5	0.0	≤ 0.07
1.4307 (304L)	EN 10088-1 (X 2CrNi18-9)	17.5-19.5	8.0-10.0	0.0	≤ 0.03
1.4401 (316)	EN 10088-1 (X 5CrNiMo17-12-2)	16.5-18.5	10.0-13.0	2.0-2.5	≤ 0.07
1.4404 (316L)	EN 10088-1 (X 2CrNiMo17-12-2)	16.5-18.5	10.0-13.0	2.0-2.5	≤ 0.03
1.4435 (316L)	EN 10088-1 (X 2CrNiMo18-14-3)	17.0-19.0	12.5-15.0	2.5-3.0	≤ 0.03
1.4571 (316Ti)	EN 10088-1 (X6CrNiMoTi17-12-2)	16.5-18.5	10.5-13.5	2.0-2.5	≤ 0.08

### Rubber materials

In order to obtain the longest possible lifetime for rubber seals it is essential to choose the right quality for the actual duty. Consequently when choosing rubber quality, the characteristics of the different rubber types should be considered. All product wetted rubber material are in conformity of FDA.

#### EPDM rubber (Ethylene Propylene)

EPDM rubber is widely used within the food industry as it is resistant to most products used in this sector. Another advantage is that it may be used to a recommend max. temperatures of 140°C (244°F). However, there is one essential limitation, EPDM is not resistant to organic and non-organic oils and fats.

#### Acrylonitrile Butadiene Rubber, NBR

NBR is the rubber type most frequently used for technical purposes. It is quite resistant to most hydrocarbons, e.g oil, grease and fat. resistant to diluted lye and nitric acid and may be used to a recommend max. 95°C (203°F). As NBR is attacked by ozone it may not be exposed to ultraviolet rays and should thus be stored so that this is avoided

#### Silicone rubber, Q

The most significant quality of silicone rubber is that it can be applied from temperatures below -50°C (-58°F) to approx. + 180°C (356°F) and still keep its elasticity. The chemical resistance is satisfactory to most products. However, undiluted lye and acids as well as hot water and steam may destroy silicone rubber. The resistance to ozone is good.

#### Fluorine rubber, FPM

FPM is often used when other rubber types are unsuited, especially at high temperatures up to approx. 180°C (356°F). The chemical resistance is good to most products, however hot water, steam, lye, acid and alcohol should be avoided. The resistance to ozone is good.

#### Hydrogenated acrylonitrileButadiene Rubber, HNBR

Mechanically strong and normally resistant to ozone and strong oxidizers, animal and vegetable fats, nonpolar solvents, oils and lubricants, water and aqueous solutions. The recommend max. temperature is 130°C (266°F).

#### Perfluoroalkoxy polymer, PFA

PFA is very similar to PTFE, but opposite to those PFA is thermo plastic and has minimal porosity. PFA has a very high mechanical strength which makes it a perfect choice when dealing with abbrasive products. The PFA seal offers longer service intervals. The recommend max. temperature for the PFA seal is 90°C (194°F).

## Product and chemical resistance of flexible rubber materials

The information below is intended as an aid in selecting the best rubber quality for an actual application. It is not possible to state any general lifetime of rubber seals as many factors influence it: chemical attack, temperature, mechanical wear etc. Extreme temperatures, even within the generally accepted limits, may worsen other kinds of attack and thus reduce the lifetime.

### Ratings

- 1 = Unsuitable.
- 2 = Limited suitability.
- 3 = Normal suitability.
- 4 = High suitability.
- = Not recommended for other reasons.

The table contains data which have been compiled from the results of our own tests and the recommendations of our raw material suppliers. The data should be considered as recommendations only and will be brought up-to-date from time to time. They are based on constant contact with the specified product.

In case of doubt or lack of information it would be advisable to consult us directly, which will enable us to investigate specific applications.

Product or process	NBR <sup>1)</sup>	HNBR <sup>2)</sup>	EPDM <sup>3)</sup>	Q <sup>4)</sup>	FPM <sup>5)</sup>	PTFE <sup>6)</sup>
Dairy products (milk, cream)	3	3-4	3-4	3-4	-	3-4
Dairy products (sour milk products)	3	3-4	3-4	3-4	-	3-4
Brewery products (beer, hops etc.)	3	3-4	3-4	1-2	2-3	3-4
Wine and yeast	3	3-4	4	4	2-3	3-4
Animal and vegetable fats	100°C	3	4	1-2	3	4
Water and water solutions	< 70°C	3	4	4	3	2-4
Hot water and steam	< 130°C	1	4	4	2	-
Concentrated fruit juices and ethereal oils	< 100°C	1	-	1	1	3
Non-oxydising acids	< 80°C	1-2	2	3	1-2	2
Oxydising acids	< 80°C	-	2	3	1	2
Weak concentrate of lye	< 100°C	2	3-4	4	2	2
Strong concentrate of lye	< 100°C	1	2-3	3	1	1
Mineral oils	< 110°C	3	4	-	-	4
Aliphatic carburetted hydrogen (hexane)		3	3	1	1	4
Aromatic carburetted hydrogen (benzole)		1	2	1	1	3
Alcohols		1-3	2-3	2-3	3-4	3-4
Ester and ketones		1-2	1-2	1-2	1-2	3-4
Ether		1	2	1	1-3	3-4
Methylene chloride		1	2	1	2-3	3-4
Ozone and atmospheric conditions		1-2	3	4	4	3-4

International designation of flexible rubber materials according to ISO R 1629.

ISO = International standard.

### Notes

	Designation of flexible rubber materials	Abbreviation symbol
1)	Nitrile rubber	N
2)	Hydrogenated acrylonitrile rubber	H
3)	Ethylene propylene rubber	E
4)	Silicone rubber	Q
5)	Fluorinated rubber	F
6)	Polytetrafluor ethylene	

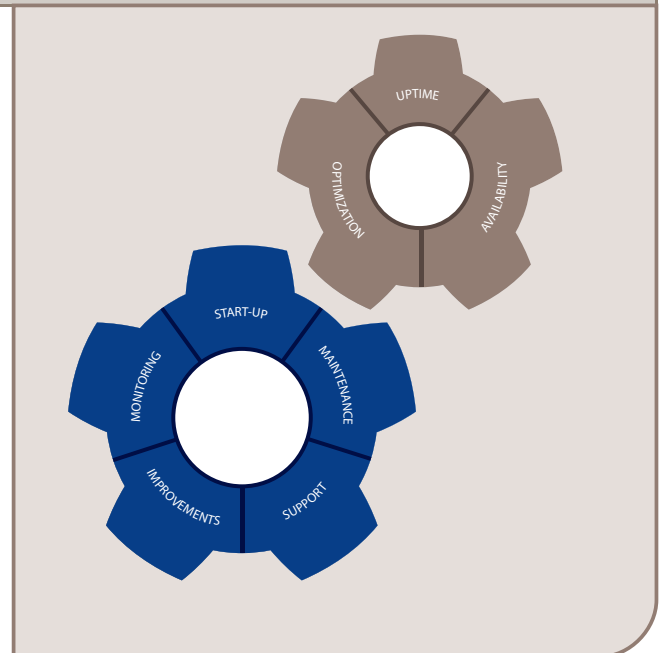
## Services that extend performance

### 360° service portfolio

Alfa Laval's expert service is always on hand through our global network. Alfa Laval also offers a wide range of time-saving tools and resources to secure performance, making it easy to configure, size, and optimize Alfa Laval hygienic equipment.

Alfa Laval Service offers a broad range of spare parts, equipment, and services covering the entire equipment life cycle from start-up, support and maintenance to improvements and monitoring. We are committed to ensuring maximum uptime, continuous optimization of your customers' processes, Alfa Laval service kits and top quality spare parts, designed for durability and performance, are always available. We secure that Alfa Laval equipment remains in compliance with certificates and legal requirements in your market.

Alfa Laval Service maximizes the reliability and uptime of Alfa Laval equipment. The result is superior performance throughout the equipment life cycle to give you and your customers a competitive edge. Together with our global service network we can help secure long-term performance.



## Maximize the reliability and uptime of your Alfa Laval equipment

### Service and maintenance training

#### Objective

The objective of this training is to get “hands-on” training in maintenance and troubleshooting for key components from the Alfa Laval Hygienic Equipment portfolio, enabling you to do this out in the field.

#### Content

The training will focus on how to service, maintain, disassemble and rebuild the following Alfa Laval key components in accordance with the Alfa Laval service guidelines:

##### Valves

- Alfa Laval Butterfly Valves
- Alfa Laval Single Seat Valves
- Alfa Laval Unique Mixproof Valves
- Alfa Laval SMP-BC Mixproof Valves
- Alfa Laval CPM Valve

##### Automation

- Alfa Laval ThinkTop
- Alfa Laval ThinkTop Basic
- Alfa Laval IndiTop

##### Pumps

- Alfa Laval LKH Pump
- Alfa Laval SolidC Pumps
- Alfa Laval SRU Pumps
- Alfa Laval SX Pumps

##### Tank Equipment

- Alfa Laval Rotary Jet Heads
- Alfa Laval EnsaFoil Agitators

There will be a focus on Alfa Laval Service Kits, preventive maintenance, and a structured way of doing trouble shooting

#### Qualifications

- Basic knowledge of the Alfa Laval Hygienic Equipment portfolio
- Basic English skills

#### Participants

Maintenance and service engineers, technical support.

#### Dates

Training will be held twice a year.

#### Questions regarding the training?

You are welcome to contact your local Alfa Laval representative.



## Preventive maintenance guidelines

### Centrifugal pumps

#### Plan your budget and your downtime

A production stop caused by poor operation or breakdown is costly, in both lost production and expensive servicing.

The most cost-effective way to ensure product safety and production reliability is to plan and carry out service at scheduled intervals.

Using the Alfa Laval guidelines it is easy to plan the relevant maintenance intervals. You can plan your operating budget and the risk of breakdowns is virtually eliminated. Preventive maintenance makes sense financially.

#### Instruction manuals and service videos



Detailed manuals are supplied with every product. Service and maintenance videos have been created to enable you to service Alfa Laval products in a correct and efficient way. Scan the QR code to access the service videos.

#### Genuine spare parts and service kits



Alfa Laval Service Kits and Upgrade Kits are available for scheduled maintenance. They contain all the Preventive maintenance guidelines needed for general service. Using genuine Alfa Laval spare parts guarantees the right quality and composition of materials. Needless to say they come with full traceability. Scan the QR code to access the spare parts catalogue



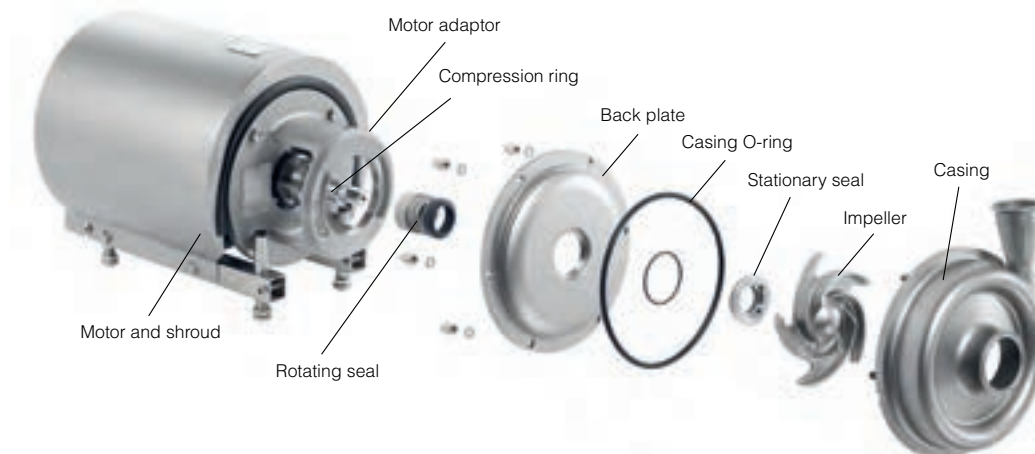
#### Alfa Laval service tools

Alfa Laval has the specific tools required to service Alfa Laval hygienic equipment. These include tools for installing, operating and maintaining our hygienic equipment.

**Using genuine spare parts ensures your certificates are still valid.**



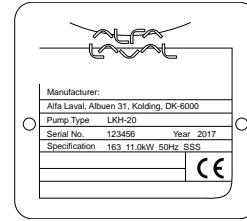
#### Example of exploded view - LKH



**Inspect the pump regularly**

The Alfa Laval pumps are available in various configurations to fit specific applications. To inspect the pump you need to know the type of pump and which type of seal is used. This information can be found on the name plate of your pump. Further information can be obtained online using the serial number.

Preventive maintenance aims to prevent equipment failures with e.g. regular inspection and lubrication. Based on experience and knowledge of the running conditions it is also possible to replace wear parts before they fail. Keeping a maintenance log is a good way to build experience.



Keep a record of the pump, use the statistics for inspection planning		Inspect / Clean / Lubricate		
LKH, LKH Evap, LKHI, LKHFP, LKHM, LKHex, SolidC, i-CP, FM-OS, GM, LKH Prime, MR	Supplier Instruction	Weekly	Monthly	Yearly
<b>Over all pump</b>				
- Keep pump clean and protected from the environment		X		
- Listen for unusual noise		X		
- Keep a record of the pump		X		
- Use the statistics for inspection planning				
<b>Shaft seal</b>				
- Inspect for leakage (* SSS; FSS; DMSS/DSS)		X		
- Flow rate of flushing (* FSS, DMSS/DSS)		X		
<b>Motor</b>				
Motor surface temperature	X		X	
Bearing temperatures			X	
Bearing vibration			X	
Inspect motor bearings				X
<b>Pump head</b>				
Check pump head and flow rate			X	
** Check for internal wear and pitting				X

\* SSS=Single shaft seal, FSS= Flushed single shaft seal, DMSS/DSS= Double mechanical shaft seal

\*\* Service kit contains all necessary parts for replacing shaft seals.

**Scheduled maintenance intervals**

To ensure that your pumps operate efficiently, it is essential to follow a simple preventive maintenance programme, which will keep your machine in good working order. Good maintenance requires careful attention at regular intervals. For pump lubrication please always refer to the manual for specific information on oil/grease types and required maintenance. **Alfa Laval recommends:**

- Replaced service kits after 12 months. Always replace shaft seal and o-rings at the same time.
- Inspect motor bearings yearly, replace complete bearing if worn, ensure that the bearing is axially locked (See motor instructions)

To replace the shaft seal it is necessary to remove the pump casing. This is a good opportunity to inspect the casing, impeller and backplate for signs of wear and cavitation. This should be done at least once a year and recorded in the pump maintenance log.

After commissioning, having ensured that the installation is stress-free and the pump is running without cavitation, the vibrations should be measured and recorded. Excessive vibrations will reduce the life span of the bearings. An increase in vibrations may indicate that the bearings should be replaced. Bearing temperatures depend on several factors incl. the temperature of the surroundings. Consequently it is not possible to state an absolute temperature. However, if the temperature does rise above normal, this may be an indication that the bearings should be replaced. Temperatures above 100°C will significantly reduce the life span of the grease. Please note that some motor bearings are permanently greased while others need regular relubrication. Please always refer to the manual for specific information on bearing types and required maintenance.

The above guidelines may not apply in all working conditions. Please contact Alfa Laval for information relating to specific applications.

## Preventive maintenance guidelines

### Positive displacement pumps

#### Plan your budget and your downtime

A production stop caused by poor operation or breakdown is costly, both in lost production and expensive servicing.

The most cost-effective way to ensure product safety and production reliability is to plan and carry out service at scheduled intervals.

Using the Alfa Laval guidelines it is easy to plan the relevant maintenance intervals. You can plan your operating budget and the risk of breakdowns is virtually eliminated. Preventive maintenance makes sense financially.

#### Instruction manuals and service videos



Detailed manuals are supplied with every product. Service and maintenance videos have been created to enable you to service Alfa Laval products in a correct and efficient way. Scan the QR code to access the service videos.

#### Genuine spare parts and service kits



Alfa Laval Service Kits are available for scheduled maintenance. They contain all the relevant parts needed for general service. Using genuine Alfa Laval spare parts guarantees the right quality and composition of materials. Needless to say they come with full traceability. Scan the QR code to access the spare parts catalogue.



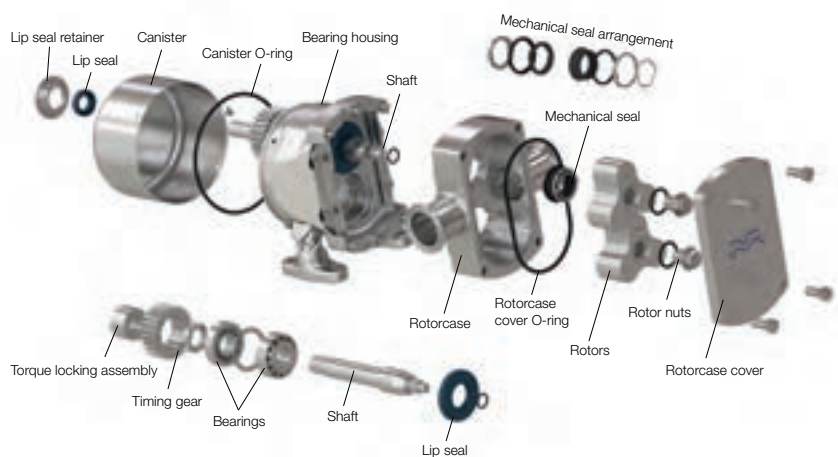
#### Alfa Laval service tools

Alfa Laval has the specific tools required to service Alfa Laval hygienic equipment. These include tools for installing, operating and maintaining our hygienic equipment.

Using genuine spare parts ensures your certificates are still valid.



#### Example of exploded view - OptiLobe

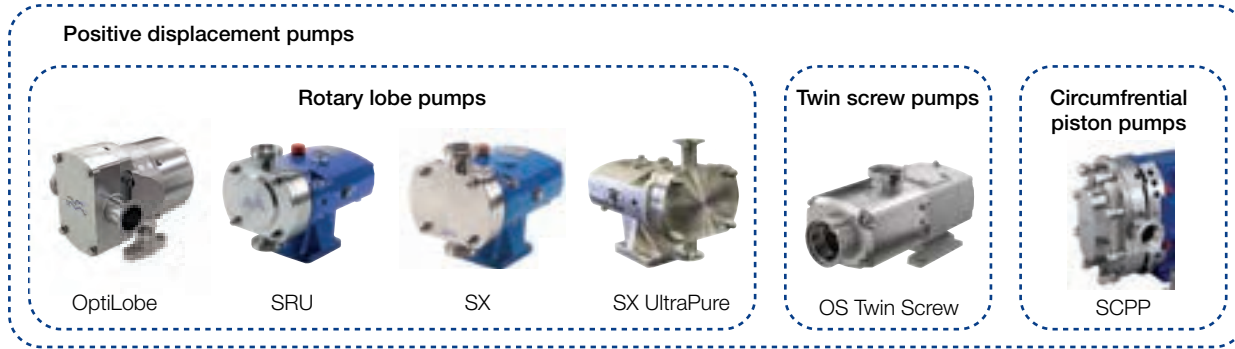




**Inspect the pump regularly**

The Alfa Laval pumps are available in various configurations to fit specific applications. To inspect the pump you need to know the type of pump. This information can be found on the name plate of your pump. Further information can be obtained online using the serial number.

Preventive maintenance aims to prevent equipment failures with e.g. regular inspection and lubrication. Based on experience and knowledge of running conditions it is also possible to replace wear parts before they fail. Keeping a maintenance log is a good way to build experience. It is advisable to install pressure gauges on both sides of the pump so that any problems within the pump/pipework can be monitored.



This preventive maintenance guidelines mainly cover positive displacement pumps as below:

	Inspect / Clean / Lubricate			
	Supplier Instruction	Weekly	Monthly	Half-yearly
<b>OptiLobe, SRU, SX &amp; SX UltraPure, Twin Screw, SCPP</b>				
Check the seals for leakage		x		
Check the lip seals for leakage		x		
Check pumping pressures		x		
<b>SRU, SX, &amp; SX UltraPure</b>				
Check the oil seals for leakage		x		
Check the oil level in the gearcase with pump stationary		x		
<b>Drive unit / all types of pump</b>	<b>x</b>			

**Scheduled maintenance intervals**

To ensure that your pumps operate efficiently, it is essential to follow a simple preventive maintenance programme, which will keep your machine in good working order. Good maintenance requires careful attention at regular intervals. For pump lubrication, please always refer to the manual for specific information on oil/grease types and required maintenance. Please check whether the positive displacement pump is supplied pre-filled with oil. **Alfa Laval recommends:**

- Replace service kit for all positive displacement pumps every 12 months.
- SRU / SX: change oil every 3000 hours of pump operation.
- OptiLobe: change grease every 20000 hours of pump operation.
- OS Twin Screw: change oil every 4000 hours of pump operation.
- SCPP: change oil every 750 hours.

The above guidelines may not apply in all working condition. Please contact Alfa Laval for information relating to specific applications.

## How to service Alfa Laval products in a correct and efficient way

### 360° service & maintenance videos for pumps

As part of the 360° Service Portfolio offering, 22 service & maintenance videos have been introduced, covering 5 core products. The service & maintenance videos have been created to enable you to service Alfa Laval products in a correct and efficient way

#### Features

The following features make the service & maintenance videos easy to work with:

- Short and informative - focus on vital service steps
- Clear demonstrations of how to use the different tools
- English speak
- Available on YouTube and Alfa Laval Anytime, our eBusiness

#### Alfa Laval YouTube channel

In Alfa Laval's YouTube channel, you can see videos about Alfa Laval in general and about our products in the food, dairy, beverage and pharma industries. Subscribe - and get notified when we upload a new video.

#### Products covered

- Alfa Laval LKH Centrifugal Pumps
- Alfa Laval SRU Rotary Lobe Pumps
- Alfa Laval SSCP-2 Circumferential Piston Pumps



### Alfa Laval service kits

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Alfa Laval LKH centrifugal pumps - change single shaft seal

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Alfa Laval LKH centrifugal pumps - double mechanical single shaft seal

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Alfa Laval LKH centrifugal pumps - change flushed shaft seal

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Alfa Laval LKH Prime pumps - change single shaft seal

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Alfa Laval LKH Prime pumps - double mechanical shaft seal

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Alfa Laval SRU rotary lobe pumps - dismantle, seal and fittings

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Alfa Laval SCPP-2 circumferential piston pumps - disassemble

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Alfa Laval SCPP-2 circumferential piston pumps - single shaft seal

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Alfa Laval S CPP-2 circumferential piston pumps - double mechanical shaft seal

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Alfa Laval S CPP-2 circumferential piston pumps - assemble and lubricate

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# 1.2 Centrifugal Pumps

The centrifugal pumps from Alfa Laval are your best solution to pump liquids gently and efficiently.

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# 1.2 Centrifugal Pumps

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i-CP100 - shaft seal and service kits	1.2.290
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Service tools	1.2.314

# 1.2 Centrifugal Pumps

The centrifugal pumps from Alfa Laval are your best solution to pump liquids gently and efficiently.

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LKH-113US Multi-Stage Centrifugal Pump, single and flushed shaft seal . . . . .	1.2.340
LKH-114 Multi-Stage Centrifugal Pump, single and flushed shaft seal . . . . .	1.2.342
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LKH-122/P Multi-Stage Centrifugal Pump, single and flushed shaft seal . . . . .	1.2.352
LKH-122US Multi-Stage Centrifugal Pump, single and flushed shaft seal . . . . .	1.2.356
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Centrifugal Pump, ALC-1 D-seal . . . . .	1.2.422
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# 1.2 Centrifugal Pumps

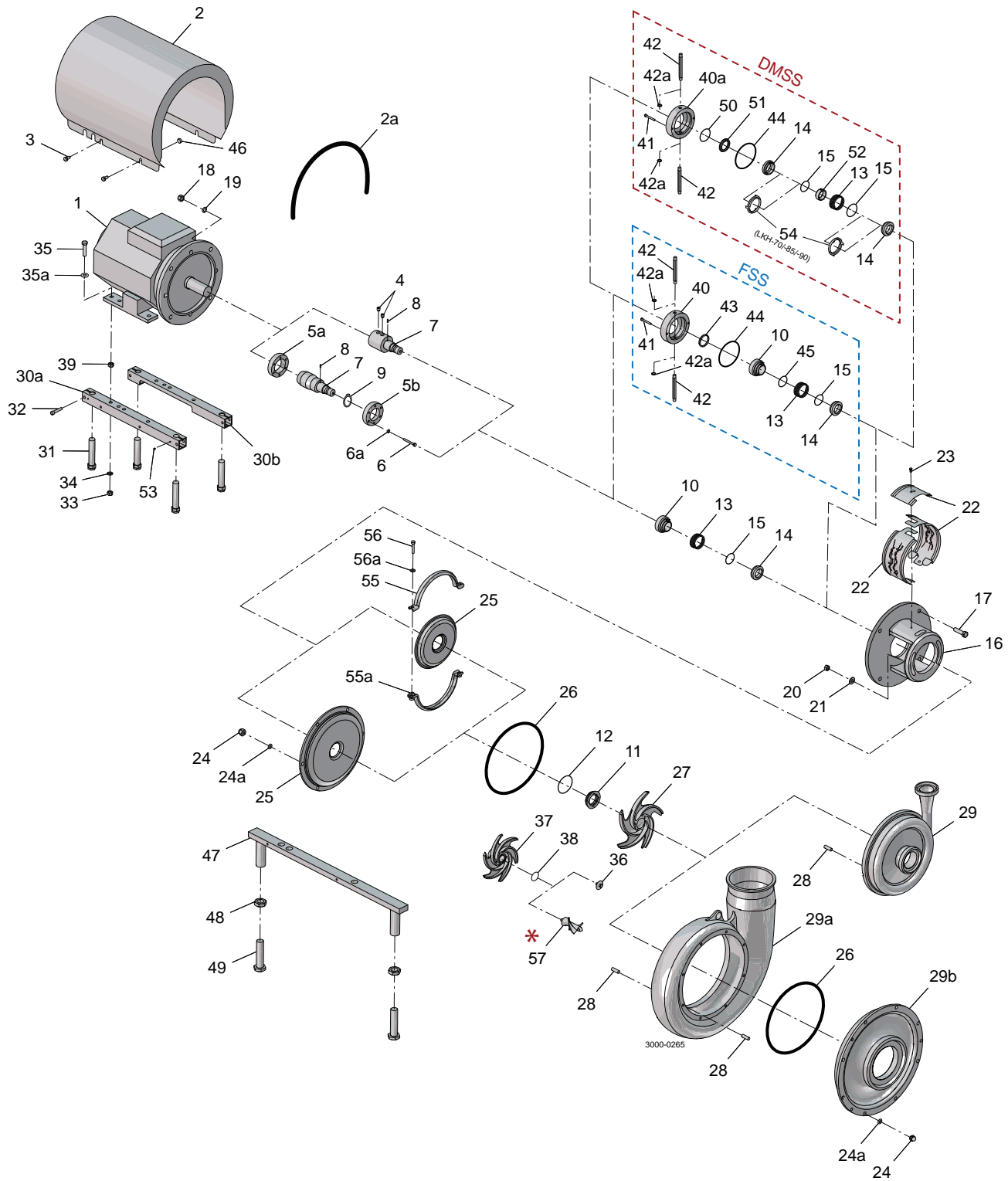
The centrifugal pumps from Alfa Laval are your best solution to pump liquids gently and efficiently.

Centrifugal Pump ALC-3, legs	1.2.450
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# 1.2 Centrifugal Pumps

The centrifugal pumps from Alfa Laval are your best solution to pump liquids gently and efficiently.

CL Pumps, seal replacement parts - type EG (water cooled, balanced double seal) . . . . .	1.2.556
CL Pumps, seal replacement parts - John Crane double 8 seal . . . . .	1.2.558

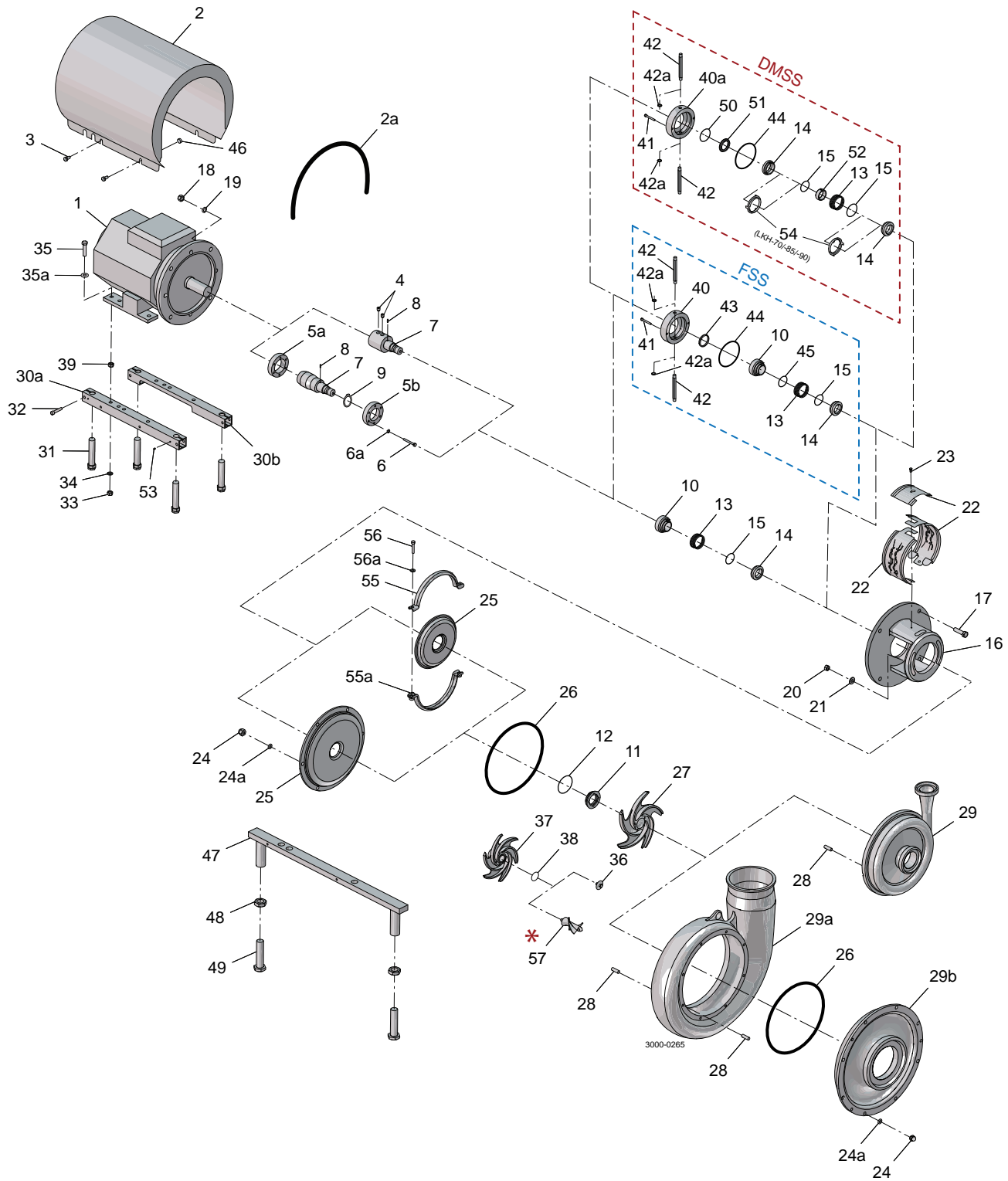


\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

Pos	Qty	Denomination	LKH-5	LKH-10	LKH-15	LKH-20
			IEC80-IEC90	IEC90-IEC112	IEC132	IEC90-IEC132
<b>Pump casing std. blasted</b>						
29	1	IDF Malepart, BS4825 part4 (IDF) for BS 4825 tubes	9612492425	9612139801	9612492401	9612139806
	1	Pump casing, SMS	9612492426	9612139802	9612492402	9612139807
	1	Pump casing, DIN/ISO	9612492427	9612139803	9612492403	9612139808
	1	Pump casing, ISO	9612492428	9612139804	9612492404	9612139809
	1	Pump casing, BS	9612492429	9612139805	9612492405	9612139810
	1	Pump casing, DS	9612492430	9612139826	9612492421	9612139828
	1	Pump casing, DIN/DIN	9614057801	9612139827	9614057802	9612139829
	1	Pump casing, Flange DN50/DN40	9612138014			
	1	Pump casing, Flange DN65/DN50		9612138001		9612138002
	1	Pump casing, Flange DN100/DN80				

Pos	Qty	Denomination	LKH-25	LKH-35	LKH-40	LKH-45
			IEC112-IEC160	IEC112-IEC160	IEC132-IEC180	IEC112-IEC160
<b>Pump casing std. blasted</b>						
29	1	Pump casing, IDF	9612492406	9612492411	9612139816	
	1	Pump casing, SMS	9612492407	9612492412	9612139817	9612492417
	1	Pump casing, DIN/ISO	9612492408	9612492413	9612139818	9612492418
	1	Pump casing, ISO	9612492409	9612492414	9612139819	9612492419
	1	Pump casing, BS	9612492410	9612492415	9612139820	9612492420
	1	Pump casing, DS	9612492422		9612139830	9612492424
	1	Pump casing, DIN/DIN	9614057803	9614057804	9612139831	9614057805
	1	Pump casing, flange aseptic 11864-2 A DIN11850	8010013423	8010011411	8010008958	
	1	Pump casing, Flange DN65/DN50		9612138010		
	1	Pump casing, Flange DN80/DN65	9612138009		9612138004	
	1	Pump casing, Flange DN100/DN80				9612138011

Pos	Qty	Denomination	LKH-50	LKH-60	LKH-70	LKH-85	LKH-90
			IEC132-IEC180	IEC132-IEC200	IEC132-IEC250	IEC200-IEC280	IEC200-IEC250
<b>Pump casing std. blasted</b>							
29	1	Pump casing, IDF	9612139821	9612355401	9612514701		
	1	Pump casing, SMS	9612139822	9612355402	9612514702		
	1	Pump casing, DIN/ISO	9612139823	9612355403	9612514703		
	1	Pump casing, ISO	9612139824	9612355404	9612514704		
	1	Pump casing, BS	9612139825	9612355405	9612514705		
	1	Pump casing, DS	9612139832	9612355406	9612514711		
	1	Pump casing, DIN/DIN		9612355419	9612514732		
	1	Pump casing, NW 150/100			9612568202		
	1	Pump casing, 152.4/101.6 CL		9612355408	9612568201		
	1	Pump casing, DN150/100 CL DIN/DIN			9612568206		
	1	Pump casing, Flange DN100/DN80	9612138005		9612138012		
	1	Pump casing, Flange DN100/DN100					
	1	Pump casing, Flange DN150/DN100		9612138007			
29a	1	Pump casing, ISO-clamp				9613405505	
	1	Pump casing, DIN				9613405506	9613405502
29b	1	Pump cover, ISO-clamp				9613405105	9613405101
	1	Pump cover, DIN				9613405106	9613405102

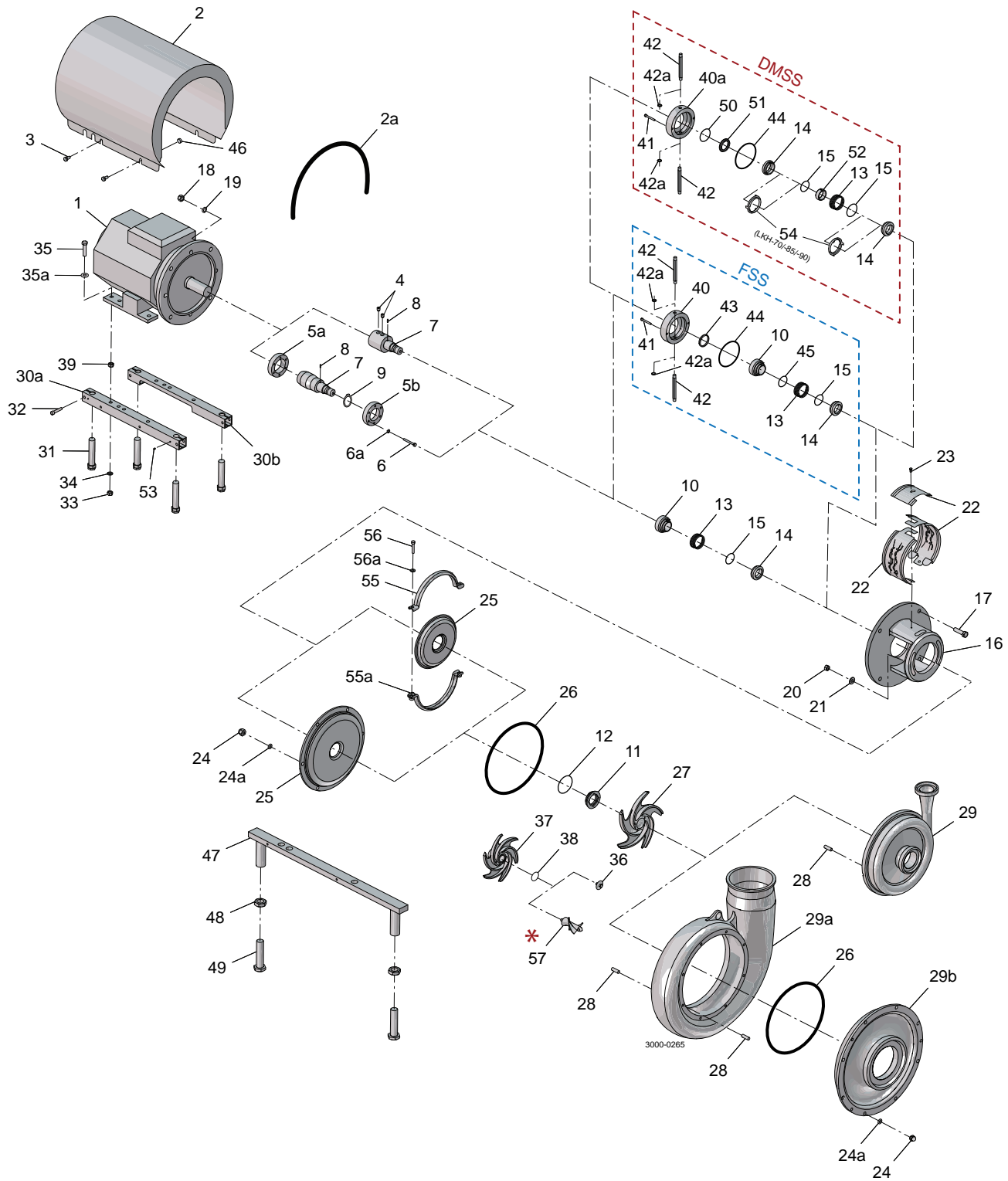




Pos	Qty	Denomination	LKH-5	LKH-10	LKH-15	LKH-20
			IEC80-IEC90	IEC90-IEC112	IEC100-IEC132	IEC90-IEC132
<b>Pump casing Mech Ra ≤ 0.8</b>						
29	1	Pump casing, IDF	9612492525	9612457201	9612492501	9612457206
	1	Pump casing, SMS	9612492526	9612457202	9612492502	9612457207
	1	Pump casing, DIN/ISO	9612492527		9612492503	9612457208
	1	Pump casing, ISO	9612492528	9612457204	9612492504	9612457209
	1	Pump casing, BS	9612492529	9612457205	9612492505	9612457210
	1	Pump casing, DS	9612492530	9612457226	9612492521	9612457228
	1	Pump casing, DIN/DIN	9614057806	9612457227	9614057807	9612457229

Pos	Qty	Denomination	LKH-25	LKH-35	LKH-40	LKH-45
			IEC112-IEC160	IEC112-IEC160	IEC132-IEC180	IEC112-IEC160
<b>Pump casing Mech Ra ≤ 0.8</b>						
29	1	Pump casing, IDF	9612492506	9612492511	9612457216	9612492516
	1	Pump casing, SMS	9612492507	9612492512	9612457217	9612492517
	1	Pump casing, DIN/ISO		9612492513	9612457218	9612492518
	1	Pump casing, ISO	9612492509	9612492514	9612457219	9612492519
	1	Pump casing, BS	9612492510	9612492515	9612457220	9612492520
	1	Pump casing, DS	9612492522	9612492523	9612457230	9612492524
	1	Pump casing, DIN/DIN	9614057808	9614057809	9612457231	9614057810

Pos	Qty	Denomination	LKH-50	LKH-60	LKH-70	LKH-85	LKH-90
			IEC132-IEC180	IEC132-IEC200	IEC132-IEC250	IEC200-IEC280	IEC200-IEC250
<b>Pump casing Mech Ra ≤ 0.8</b>							
29	1	Pump casing, IDF	9612457221	9612355409	9612514706		
	1	Pump casing, SMS	9612457222	9612355410	9612514707		
	1	Pump casing, DIN/ISO	9612457223	9612355411	9612514708		
	1	Pump casing, ISO	9612457224	9612355412	9612514709		
	1	Pump casing, BS	9612457225	9612355413	9612514710		
	1	Pump casing, DS	9612457232	9612355414	9612514712		
	1	Pump casing, DIN/DIN	9612457233	9612355420	9612514733		
	1	Pump casing, NW 150/100		9612355415	9612568208		
	1	Pump casing, 152.4/101.6 CL		9612355416	9612568207		
	1	Pump casing, 150/100 CL DIN/DIN			9612568209		
29a	1	Pump casing, ISO-clamp					9613405503
	1	Pump casing, DIN				9613405508	9613405504
29b	1	Pump cover, ISO-clamp				9613405107	9613405103
	1	Pump cover, DIN				9613405108	

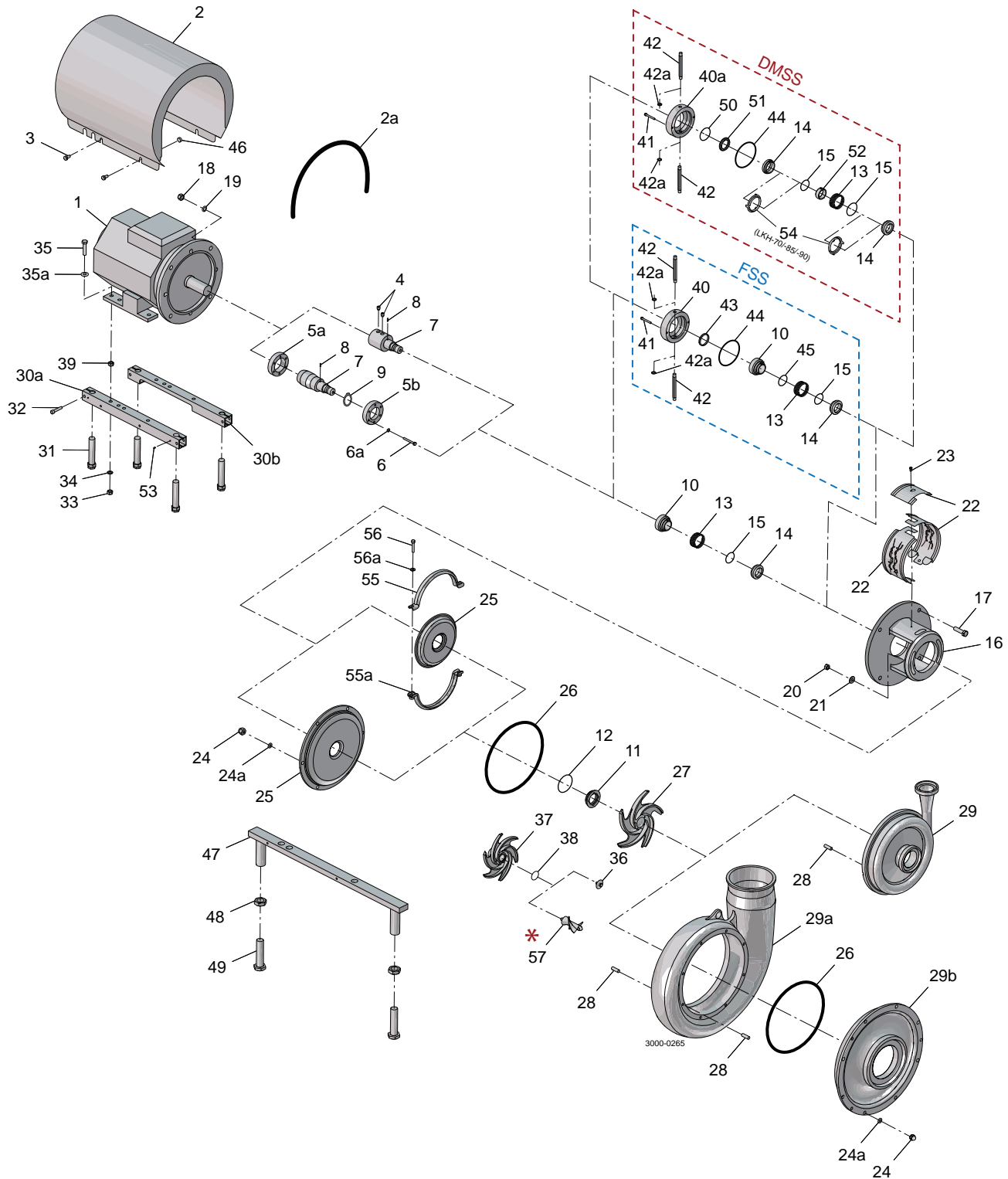


\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

Pos	Qty	Denomination	LKH-15			
			LKH-5 IEC80-IEC90	LKH-10 IEC90-IEC112	IEC100- IEC132	LKH-20 IEC90-IEC132
24	6	Cap nut		9611992592	9611992592	9611992592
24a	6	Washer		9611991888	9611991888	9611991888
28	6	Bolt		9611992168	9611992168	9611992168
26	1	O-ring, EPDM (standard)	9611993560	9611992137	9611992137	9611992141
	1	O-ring, NBR	9611993561	9611992139	9611992139	9611992143
	1	O-ring, FPM	9611993562	9611992138	9611992138	9611992142
	1	O-ring, FEP	9611993563	9611992140	9611992140	9611992144
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)	8010023152	8010023153	8010023153	8010023154
27	1	Impeller, std. blasted	9612587601	9612131201	9612431401	9612131401
	1	Impeller, Mech Ra ≤ 0.8	9612587605	9612131205	9612431405	9612131405
37	1	Impeller for impeller screw, std. blasted	9612587602	9612131202	9612431402	9612131402
	1	Impeller for impeller, Mech Ra ≤ 0.8	9612587606	9612131228	9612431413	9612131418
36	1	Impeller screw, std. blasted	9612362701	9612139601	9612139601	9612139601
	1	Impeller screw, Mech Ra ≤ 0.8	9612362703	9612139603	9612139603	9612139603
	1	Impeller screw, (for inducer)		9612139607	9612139607	9612139607
57 *	1	Inducer		9612508802	9612508702	9612508802
38	1	O-ring, EPDM	9611992750	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992751	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992752	9611992146	9611992146	9611992146
	1	O-ring, FEP	9611993539	9611992148	9611992148	9611992148
	1	Set of 5 O-rings EPDM for impellerscrew (pos 38)	8010023160	8010023161	8010023161	8010023161
25	1	Back plate, std. blasted	9612138428	9612138404	9612138404	9612138405
	1	Back plate, Mech Ra ≤ 0.8	9612138429	9612138420	9612138420	9612138421
20	2	Nut	9611990360	9611990353	9611990353	9611990353
21	2	Washer	9611991831	9611992559	9611992559	9611992559
55	1	Upper clamp	9612589502			
55a	1	Lower clamp	9612589602			
56	2	Screw	9611991126			
56a	2	Spring washer	9611991831			

Pos	Qty	Denomination	LKH-25			
			IEC112- IEC160	LKH-35 IEC112- IEC160	LKH-40 IEC132- IEC180	LKH-45 IEC112- IEC160
24	6	Cap nut	9611992593	9611992593	9611992593	9611992593
24a	6	Washer	9611991887	9611991887	9611991887	9611991887
28	6	Bolt	9611992169	9611992169	9611992169	9611992169
26	1	O-ring, EPDM (standard)	9611992983	9611992983	9611992171	9611992983
	1	O-ring, NBR	9611992984	9611992984	9611992173	9611992984
	1	O-ring, FPM	9611992985	9611992985	9611992172	9611992985
	1	O-ring, FEP	9611992986	9611992986	9611992174	9611992986
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)	8010023155	8010023155	8010023156	8010023155
27	1	Impeller, std. blasted	9612425201	9612434101		9612363001
	1	Impeller, Mech Ra ≤ 0.8	9612425205	9612434105		9612363005
37	1	Impeller for impeller screw, std. blasted	9612425202	9612434102	9612131802	9612363002
	1	Impeller for impeller screw, Mech Ra ≤ 0.8	9612425216	9612434116	9612131816	9612363013
36	1	Impeller screw, std. blasted	9612139601	9612139601	9612139601	9612139601
	1	Impeller screw, Mech Ra ≤ 0.8	9612139603	9612139603	9612139603	9612139603
	1	Impeller screw, (for inducer)	9612139607	9612139607	9612139607	9612139607
57 *	1	Inducer	9612508902	9612508802	9612508902	9612508702
38	1	O-ring, EPDM	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146
	1	O-ring, FEP	9611992148	9611992148	9611992148	9611992148
	1	Set of 5 O-rings EPDM for impellerscrew (pos 38)	8010023161	8010023161	8010023161	8010023161
25	1	Back plate, std. blasted	9612138423	9612138423	9612138406	9612138423
	1	Back plate, Mech Ra ≤ 0.8	9612138424	9612138424	9612138422	9612138424
20	2	Nut	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559

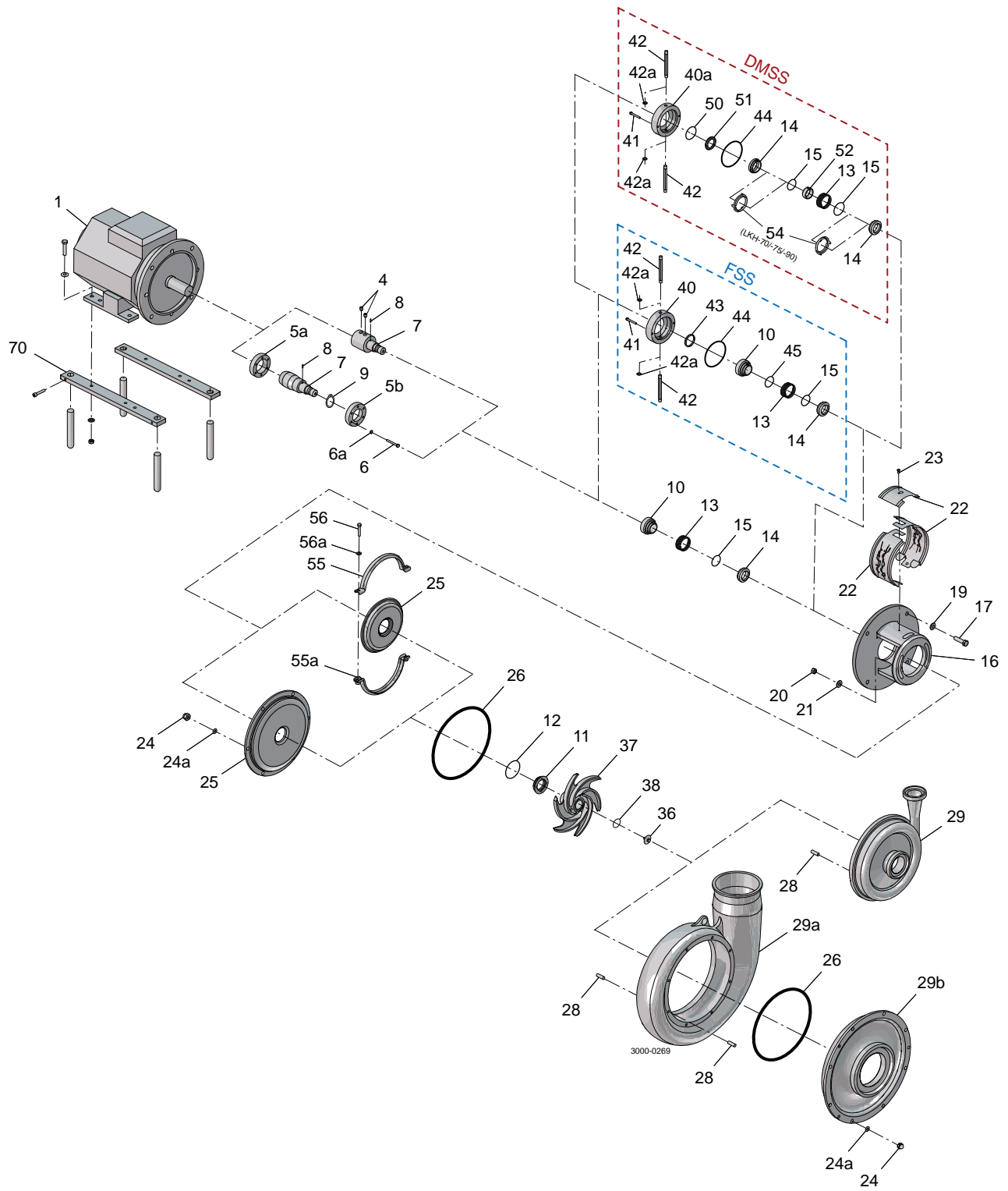
\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.



\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

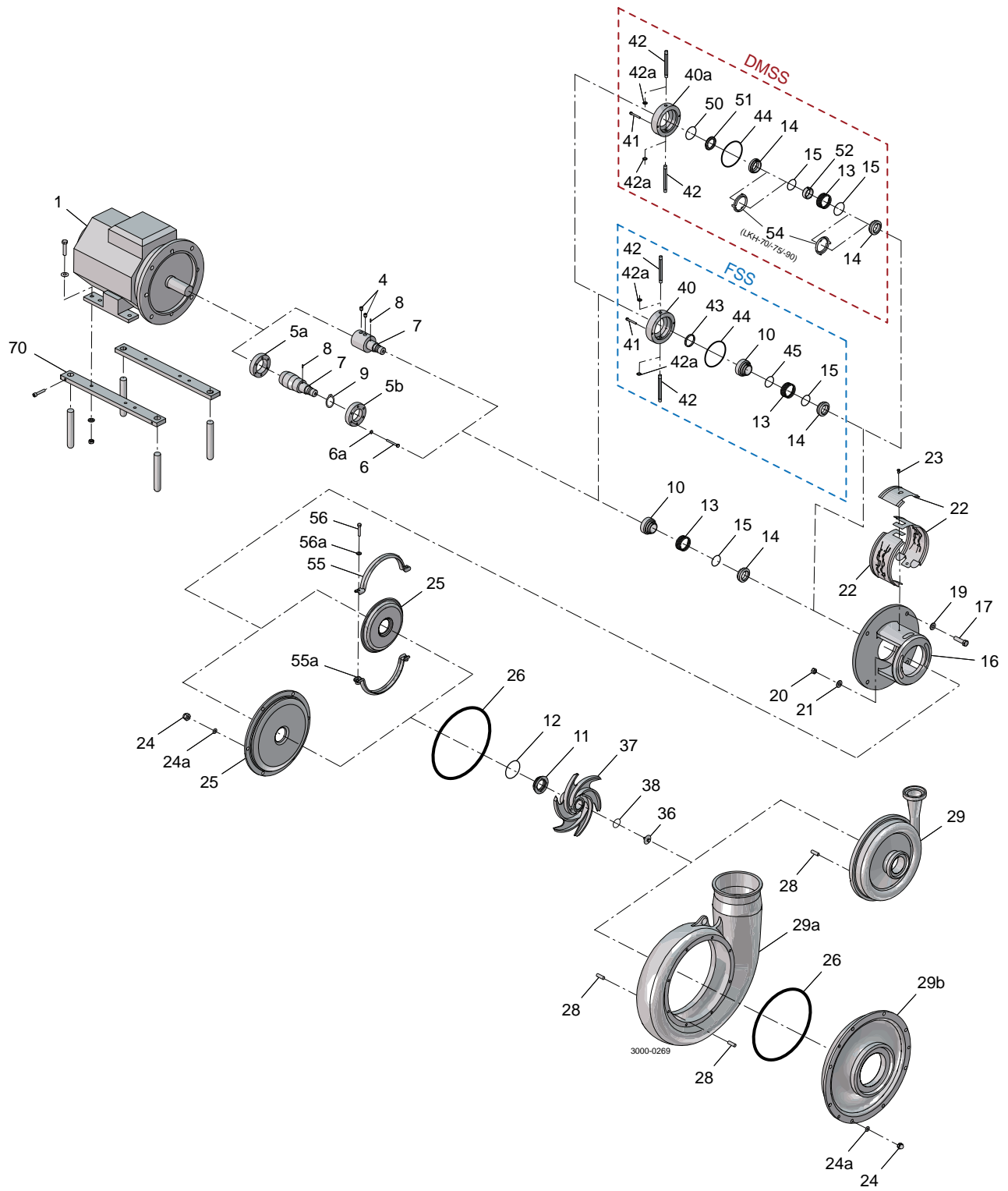
Pos	Qty	Denomination	LKH-50 IEC132- IEC180	LKH-60 IEC132- IEC200	LKH-70 IEC132- IEC250	LKH-85 IEC200- IEC280	LKH-90 IEC200- IEC250
24	6	Cap nut	9611992593	9611992593			
24a	6	Washer	9611991887	9611991887			
28	6	Bolt	9611992169	9611992169			
24	8	Cap nut			9611992593		
24a	8	Washer			9611991887		
28	8	Bolt			9611992169		
24	16	Cap nut				9611992593	9611992593
24a	16	Washer				9611991887	9611991887
28	16	Pin bolt				9611992169	9611992169
26	1	O-ring, EPDM, (standard)	9611992171	9611992171	9611993211		
	1	O-ring, NBR	9611992173	9611992173	9611993212		
	1	O-ring, FPM	9611992172	9611992172	9611993213		
	1	O-ring, FEP	9611992174	9611992174	9611993214		
	2	O-ring, EPDM, (standard)				9611994249	9613404701
	2	O-ring, NBR				9611994250	9613404702
	2	O-ring, FPM				9611994251	9613404703
	2	O-ring, FEP				9611994252	9613404704
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)	8010023156	8010023156	8010023157	8010023158	8010023159
27	1	Impeller, std. blasted	9612132001	9612128301			
	1	Impeller, Mech Ra ≤ 0.8	9612132005	9612128305			
37	1	Impeller for impeller screw, std. blasted	9612132002	9612128302	9612499401	9613416101	9613405901
	1	Impeller for impeller, Mech Ra ≤ 0.8	9612132015	9612128315	9612499403	9613416102	9613405902
36	1	Impeller screw, std. blasted	9612139601	9612139601	9612927101	9612927104	9612927104
	1	Impeller screw, Mech Ra ≤ 0.8	9612139603	9612139603	9612927102	9612927105	9612927105
	1	Impeller screw, (for inducer)	9612139607				
57 *	1	Inducer	9612508702				
38	1	O-ring, EPDM	9611992145	9611992145	9611993215	9611993215	9611993215
	1	O-ring, NBR	9611992147	9611992147	9611993216	9611993216	9611993216
	1	O-ring, FPM	9611992146	9611992146	9611993217	9611993217	9611993217
	1	O-ring, FEP	9611992148	9611992148	9611993218	9611993218	9611993218
		Set of 5 O-rings EPDM for impellerscrew (pos 38)	8010023161	8010023161	8010023162	8010023162	8010023162
25	1	Back plate, std. blasted	9612138406	9612138406	9612514601	9612514615	9612514612
	1	Back plate, Mech Ra ≤ 0.8	9612138422	9612138422	9612514607	9612514614	9612514611
20	2	Nut	9611990353	9611990353			
21	2	Washer	9611992559	9611992559			
20	4	Nut			9611990353	9611990353	9611990353
21	4	Washer			9611992559	9611992559	9611992559

\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.



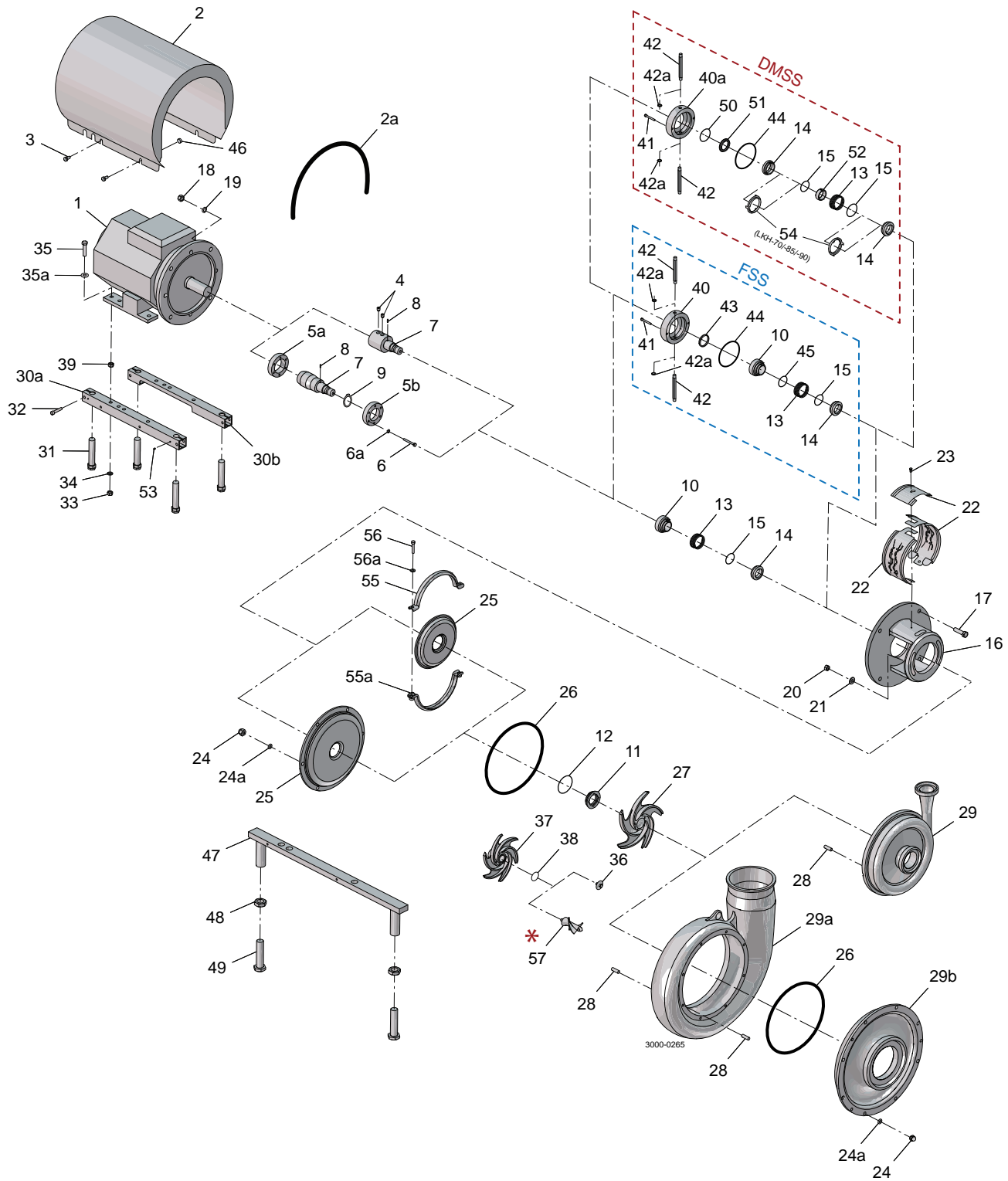
Pos	Qty	Denomination	LKH-5 1-3Hp	LKH-10 1-15Hp	LKH-15 2-15Hp	LKH-20 2-20Hp	LKH-25 2-30Hp
<b>Pump Casing polished Ra ≤ 32</b>							
29	1	Pump casing, Tri-clamp	9612128814	9612128812	9612129332	9612128921	9612129123
24	6	Cap nut		9611992592	9611992592	9611992592	9611992593
24a	6	Spring washer		9611991888	9611991888	9611991888	9611991887
28	6	Bolt		9611992168	9611992168	9611992168	9611992169
26	◆★△◇●	1 O-ring, EPDM (standard)	9611993560	9611992137	9611992137	9611992141	9611992983
	1	O-ring, NBR	9611993561	9611992139	9611992139	9611992143	9611992984
	1	O-ring, FPM	9611993562	9611992138	9611992138	9611992142	9611992985
	1	O-ring, FEP	9611993563	9611992140	9611992140	9611992144	9611992986
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)		8010023152	8010023153	8010023153	8010023154
37	1	Impeller polished Ra ≤ 32	8010023152	8010023153	8010023153	8010023154	8010023155
36	1	Impeller screw polished Ra ≤ 32	9612587606	9612131228	9612431413	9612131418	9612425216
38	◆★△◇●	1 O-ring, EPDM (standard)	9612362703	9612139603	9612139603	9612139603	9612139603
	1	O-ring, EPDM (standard)	9611992750	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992751	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992752	9611992146	9611992146	9611992146	9611992146
	1	O-ring, FEP	9611993539	9611992148	9611992148	9611992148	9611992148
	1	Set of 5 O-rings EPDM for impellerscrew (pos 38)		8010023160	8010023161	8010023161	8010023161
25	1	Back plate, polished Ra ≤ 32	8010023160	8010023161	8010023161	8010023161	8010023161
	1	Back plate, polished Ra ≤ 32	9612138429	9612138420	9612138420	9612138421	9612138424
20	2	Nut	9611990360	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611991831	9611992559	9611992559	9611992559	9611992559
55	1	Upper clamp	9612589503				
55a	1	Lower clamp	9612589603				
56	2	Screw	9611991126				
56a	2	Spring washer	9911991888				

Pos	Qty	Denomination	LKH-35 3-30Hp	LKH-40 3-30Hp	LKH-45 3-30Hp	LKH-50 3-40Hp	LKH-60 7,5-60Hp
<b>Pump Casing polished Ra ≤ 32</b>							
29	1	Pump casing, Tri-clamp	9612128923	9612129121	9612129334	9612129330	9612355418
24	6	Cap nut	9611992593	9611992593	9611992593	9611992593	9611992593
24a	6	Spring washer	9611991887	9611991887	9611991887	9611991887	9611991887
28	6	Bolt	9611992169	9611992169	9611992169	9611992169	9611992169
26	◆★△◇●	1 O-ring, EPDM (standard)	9611992983	9611992171	9611992983	9611992171	9611992171
	1	O-ring, NBR	9611992984	9611992173	9611992984	9611992173	9611992173
	1	O-ring, FPM	9611992985	9611992172	9611992985	9611992172	9611992172
	1	O-ring, FEP	9611992986	9611992174	9611992986	9611992174	9611992174
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)		8010023155	8010023156	8010023155	8010023156
37	1	Impeller polished Ra ≤ 32	8010023155	8010023156	8010023155	8010023156	8010023156
36	1	Impeller screw polished Ra ≤ 32	9612434116	9612131816	9612363013	9612132015	9612128315
38	◆★△◇●	1 O-ring, EPDM (standard)	9612139603	9612139603	9612139603	9612139603	9612139603
	1	O-ring, EPDM (standard)	9611992145	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146	9611992146
	1	O-ring, FEP	9611992148	9611992148	9611992148	9611992148	9611992148
	1	Set of 5 O-rings EPDM for impellerscrew (pos 38)		8010023161	8010023161	8010023161	8010023161
25	1	Back plate polished Ra ≤ 32	8010023161	8010023161	8010023161	8010023161	8010023161
20	2	Nut	9612138424	9612138422	9612138424	9612138422	9612138422
21	2	Washer	9611990353	9611990353	9611990353	9611990353	9611990353





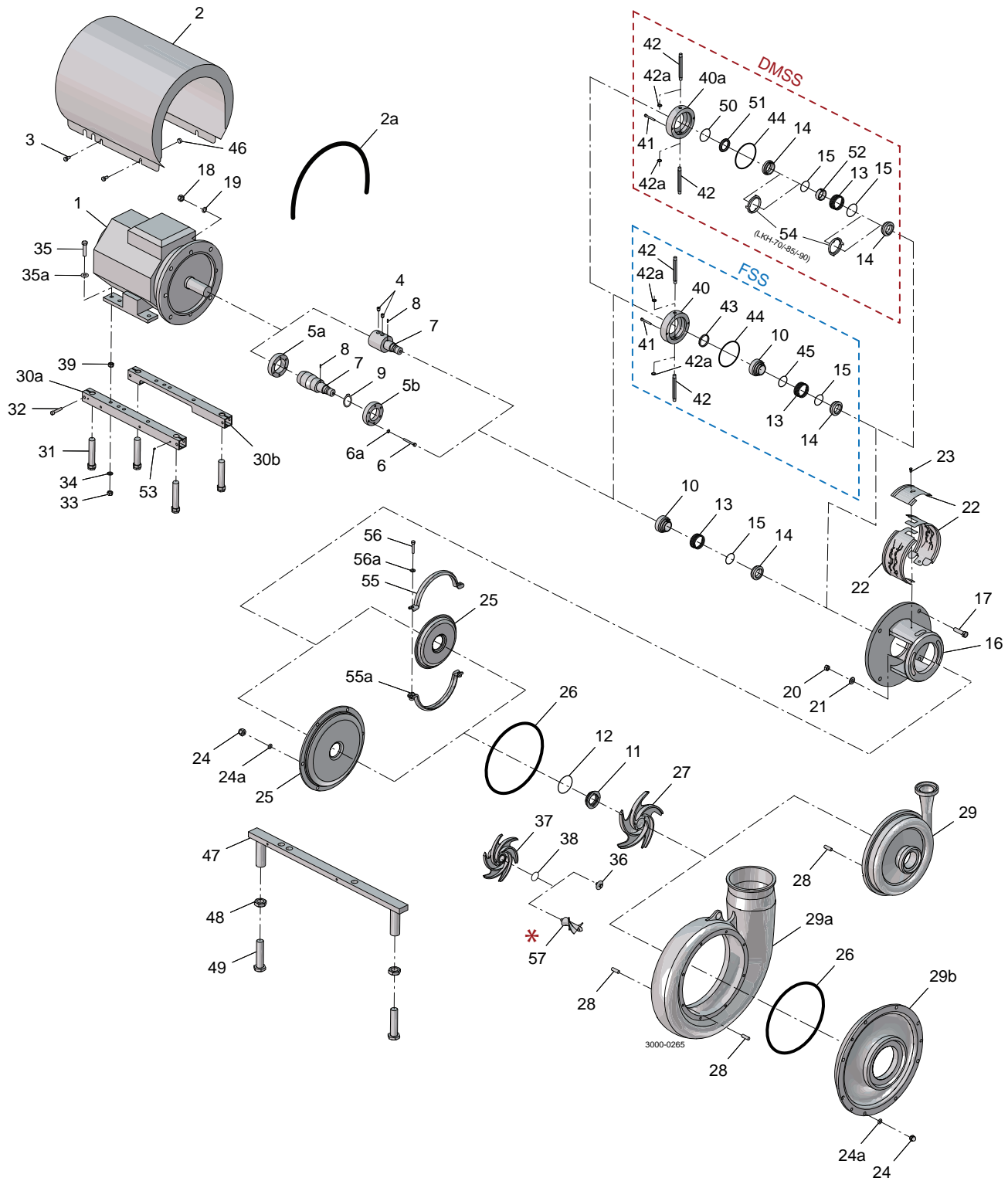
Pos	Qty	Denomination	LKH-70 7.5-100Hp	LKH-75 15-50Hp	LKH-85 40-150Hp	LKH-90 30-100Hp
<b>Pump Casing polished Ra ≤ 32</b>						
29	1	Pump casing, Tri-clamp	9612514729	9612514730		
29a	1	Pump casing, Tri-clamp			9613405507	9613405503
<b>Pump Cover polished Ra ≤ 32</b>						
29b	1	Pump cover, Tri-clamp			9613405107	9613405103
24	8	Cap nut	9611992593	9611992593		
24a	8	Washer	9611991887	9611991887		
28	8	Pin bolt	9611992169	9611992169		
24	16	Cap nut			9611992593	9611992593
24a	16	Washer			9611991887	9611991887
28	16	Pin bolt			9611992169	9611992169
26	◆★△◇●	1 O-ring, EPDM , (standard)	9611993211	9611994893		
		1 O-ring, NBR	9611993212	9611994894		
		1 O-ring, FPM	9611993213	9611994895		
		1 O-ring, FEP	9611993214			
		2 O-ring, EPDM (standard)			9611994249	9613404701
		2 O-ring, NBR			9611994250	9613404702
		2 O-ring, FPM			9611994251	9613404703
		2 O-ring, FEP			9611994252	9613404704
		1 Set of 5 O-rings EPDM for pumpcasing (pos 26)	8010023157	8010023684	8010023158	8010023159
37	1	Impeller polished Ra ≤ 32	9612499403	9613456301	9613416102	9613405902
36	1	Impeller screw polished Ra ≤ 32	9612927102	9612927105	9612927105	9612927105
38	◆★△◇●	1 O-ring, EPDM (standard)	9611993215	9611993215	9611993215	9611993215
		1 O-ring, NBR	9611993216	9611993216	9611993216	9611993216
		1 O-ring, FPM	9611993217	9611993217	9611993217	9611993217
		1 O-ring, FEP	9611993218		9611993218	9611993218
		1 Set of 5 O-rings EPDM for impellerscrew (pos 38)	8010023162	8010023162	8010023162	8010023162
25	1	Back plate polished Ra ≤ 32	9612514607	9612514617	9612514614	9612514611
20	4	Nut	9611990353	9611990353	9611990353	9611990353
21	4	Washer	9611992559	9611992559	9611992559	9611992559



\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

Pos	Qty	Denomination	LKH-5 IEC80	LKH-5 IEC90	LKH 10-60 IEC90	LKH 10-60 IEC100	LKH 10-60 IEC112
5a	1	Compression ring with thread			9612133601	9612133602	9612133602
5b	1	Compression ring without thread			9612133701	9612133702	9612133702
6	6	Screw			9611993196	9611993196	9611993196
6a	6	Washer			9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)	9612588101	9612588201		9612132502	9612132502
	1	Shaft incl. pin and retaining ring, (pos.8+9)			9612132402		
	1	Shaft (for inducer) incl. pin, (pos.8)				9612132505	9612132505
	1	Shaft (for inducer) incl. pin and retaining ring, (pos. 8+9)			9612132405		
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring			9611992307		
4	2	Screw	9612587501	9612587502			
2	1	Shroud	9612139026	9612139001	9612139001	9614192203	9612139003
3	4	Screw	9611993240	9611993240	9611993240	9611993240	9611993240
16	1	Adaptor	9612587901	9612587901	9612342301	9612342401	9612342401
17	4	Screw for adaptor	9611992161	9611992161	9611992161	9611991834	9611991834
18	4	Nut for adaptor	9611990353	9611990353	9611990353	9611990587	9611990587
19	4	Washer for adaptor	9611991887	9611991887	9611991887	9611990676	9611990676
22	1	Safety guard set	9614077414	9614077414	9614077401	9614077402	9614077402
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132201	9612132201	9612132201	9612132205	9612132205
30b	1	Support bar, left	9612132301	9612132301	9612132301	9612132305	9612132305
31	4	Leg	9612396701	9612396701	9612396701	9612396701	9612396701
32	4	Screw	9611991126	9611991126	9611991126	9611991126	9611991126
33	4	Nut	9611990360	9611990360	9611990360	9611990353	9611990353
34	4	Spring washer	9611991888	9611991888	9611991888	9611991887	9611991887
35	4	Screw	9611993606	9611993241	9611993241	9611991911	9611991911
35a	4	Washer	9611991831			9611990786	9611990786
39	4	Nut	9611990587			9611990587	
46	4	Distance sleeve				9611992737	

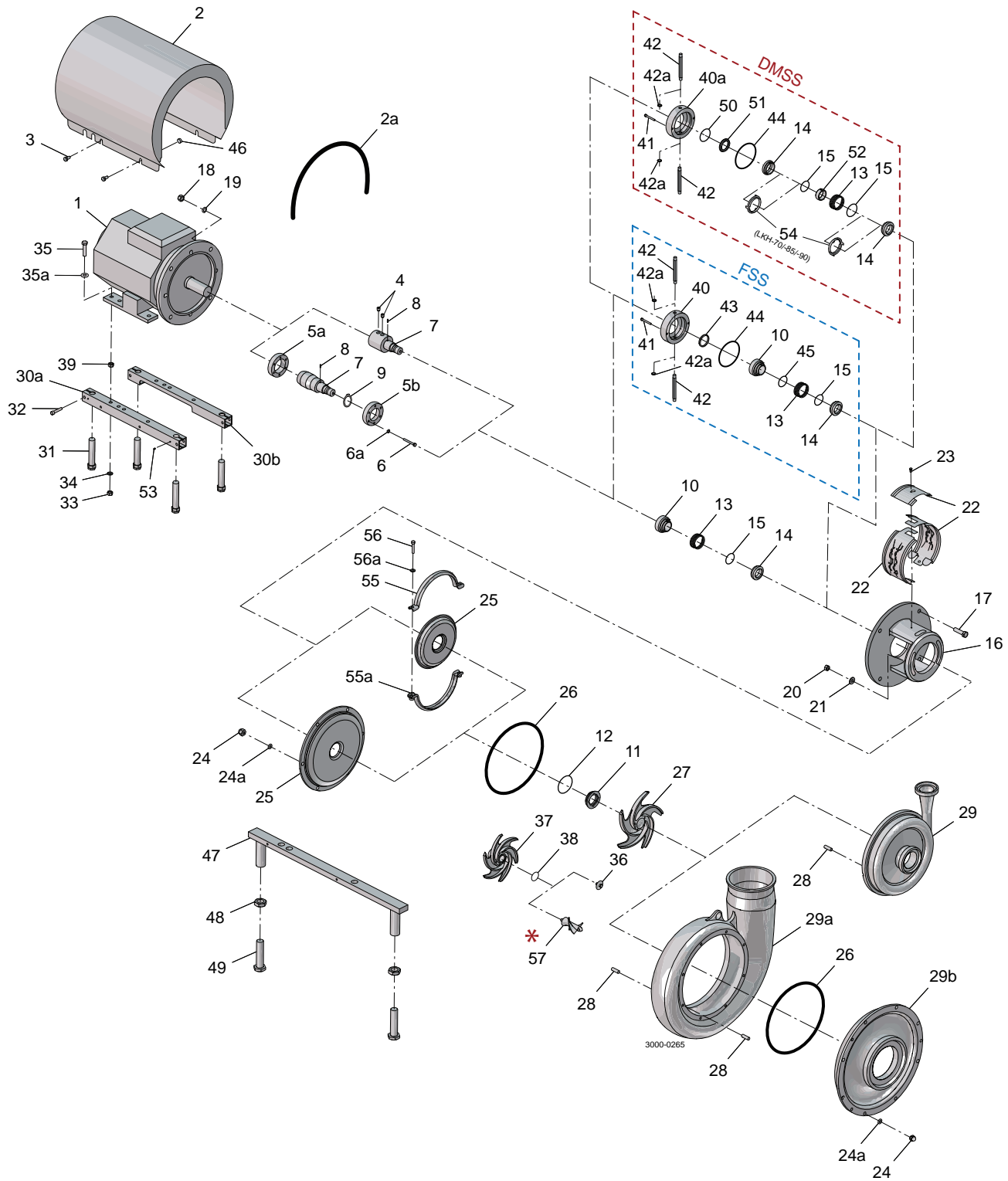
Pos	Qty	Denomination	LKH 10-60 IEC132	LKH 10-60 IEC160	LKH 10-60 IEC180	LKH 10-60 IEC200
5a	1	Compression ring with thread	9612133605	9612133603	9612133604	9612133607
5b	1	Compression ring without thread	9612133705	9612133703	9612133704	9612133707
6	6	Screw	9611993197	9611993198	9611993198	9611993198
6a	6	Washer	9611993199	9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)	9612132602	9612132702	9612132802	9612232902
	1	Shaft (for inducer) incl. pin, (pos.8)	9612132605	9612132709	9612132805	
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622
2	1	Shroud	9612139008	9612139005	9612139006	9612593801
3	4	Screw	9611993240	9611993241	9611993243	9611993243
16	1	Adaptor	9612342501	9612342601	9612342601	9612342701
17	4	Screw for adaptor	9611992162	9611992163	9611992164	9611992164
18	4	Nut for adaptor	9611990587	9611992160	9611992160	9611992160
19	4	Washer for adaptor	9611990676	9611991886	9611991886	9611991886
22	1	Safety guard set	9614077403	9614077404	9614077404	9614077404
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132206	9612132203	9612132204	9612342201
30b	1	Support bar, left	9612132306	9612132303	9612132304	9612342201
31	4	Leg	9612396701	9612396701	9612396701	9612396701
32	4	Screw	9611991126	9611991126	9611991126	9611991907
33	4	Nut	9611990353	9611990587	9611990587	9611992160
34	4	Spring washer	9611991887	9611990676	9611990676	9611991886
35	4	Screw	9611991911	9611991834	9611991834	9611993680
35a	4	Washer	9611990786	9611990706	9611990706	9611990703
46	4	Distance sleeve	9611992737	3143803902	3143803901	3143803903
53	4	Pivot screw				9611991763



\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

Pos	Qty	Denomination	LKH 70/85/90	LKH 70/85/90	LKH 70/85/90	LKH 70/85/90	LKH 70/85
			IEC132	IEC160	IEC180	IEC200	IEC250
5a	1	Compression ring with thread	9612133605	9612133603	9612133604	9612133607	9612133608
5b	1	Compression ring without thread	9612133705	9612133703	9612133704	9612133707	9612133708
6	6	Screw	9611993197	9611993198	9611993198	9611993198	9611993266
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)	9612614703	9612512603	9612512303	9612512203	9612501003
2	1	Shroud	9612139008	9612139005	9612139006	9612593801	9612593804
3	4	Screw	9611993240	9611993241	9611993243	9611993243	9611993243
16	1	Adaptor	9612614601	9612511901	9612511901	9612511801	9612500801
17	4	Screw for adaptor	9611992162	9611992163	9611992164	9611992164	9611992200
18	4	Nut for adaptor	9611990587	9611992160	9611992160	9611992160	9611992160
19	4	Washer for adaptor	9611990676	9611991886	9611991886	9611991886	9611991886
22	1	Safety guard set	9614077406	9614077407	9614077407	9614077407	9614077408
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132206	9612132203	9612132204	9612342201	
30b	1	Support bar, left	9612132306	9612132303	9612132304	9612342201	
31	4	Leg	9612396701	9612396701	9612396701	9612396701	
32	4	Screw	9611991126	9611991126	9611991126	9611991126	
33	4	Nut	9611990353	9611990587	9611990587		9611990935
34	4	Spring washer	9611991887	9611990676	9611990676		9611993267
35	4	Screw	9611991911	9611991834	9611991834	9611993680	9611993268
35a	4	Washer	9611990786	9611990706	9611990706	9611990703	9611993269
46	4	Distance sleeve	9611992737	3143803902	3143803901	3143803903	3143803901
47	2	Leg bracket					9612518401
48	4	Nut for leg					9611993260
49	4	Screw for leg					9612518501
53	4	Pivot screw				9611991763	

Pos	Qty	Denomination	LKH 90	LKH 85
			IEC250	IEC280
5a	1	Compression ring with thread	9612133609	9612133609
5b	1	Compression ring without thread	9612133709	9612133709
6	8	Screw	9611993266	9611993266
6a	8	Washer	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)	9613406501	9613406501
2	1	Shroud	9612593804	9612593806
3	4	Screw	9611993243	9611993243
16	1	Adaptor	9612500801	9612500801
17	4	Screw for adaptor	9611992200	9611992200
18	4	Nut for adaptor	9611992160	9611992160
19	4	Washer for adaptor	9611991886	9611991886
22	1	Safety guard set	9614077408	9614077408
23	1	Screw for safety guard	9611993239	9611993239
33	4	Nut	9611990935	9611990935
34	4	Spring washer	9611993267	9611993267
35	4	Screw	9611993268	9611993268
35a	4	Screw	9611993269	9611993269
46	4	Distance sleeve	3143803901	3143803903
47	2	Leg bracket	9612518401	9612518403
48	4	Nut for legs	9611993260	9611993260
49	4	Screw for legs	9612518501	9612518501

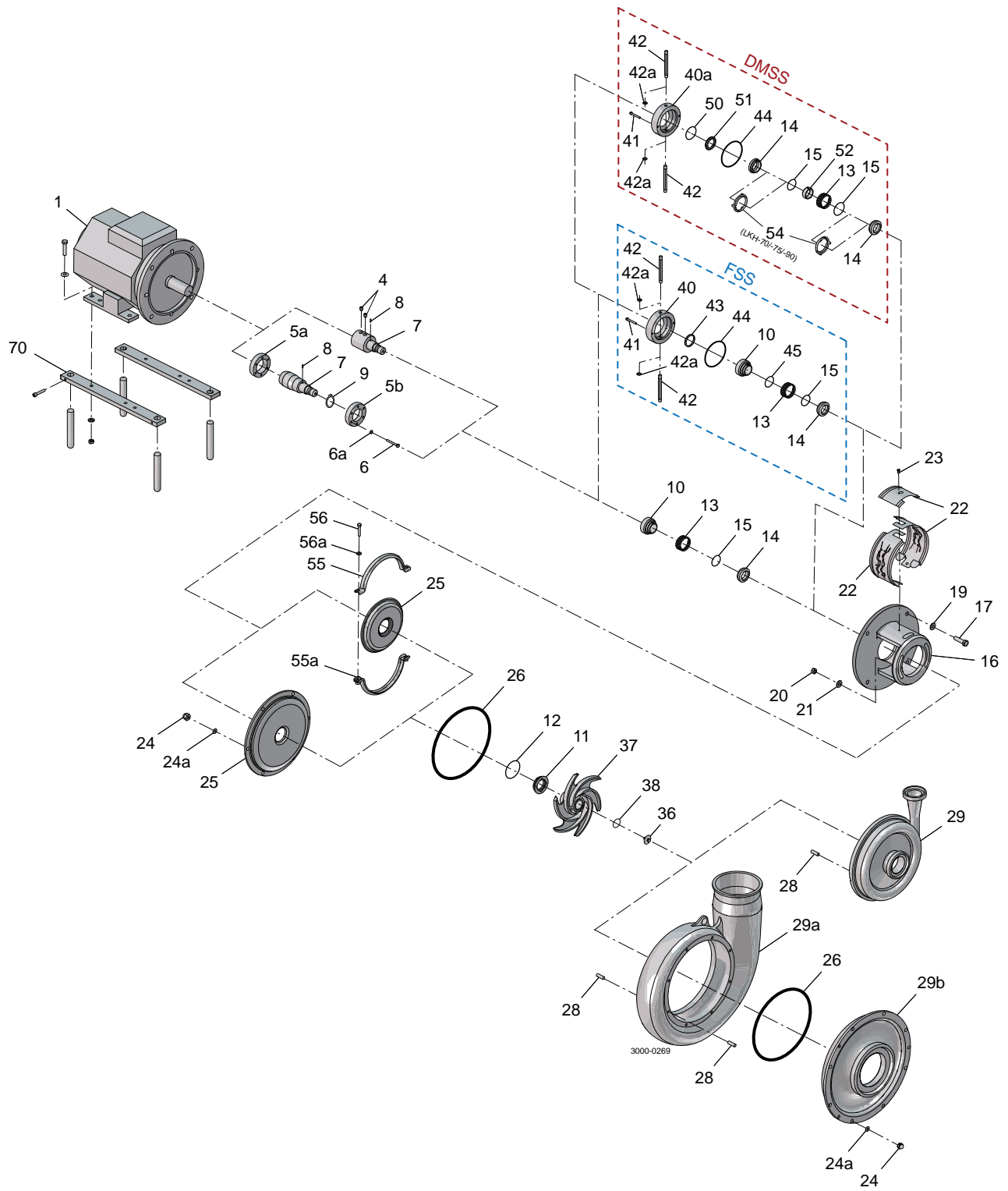


\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

Pos	Qty	Denomination	LKH 5-70 1.1 kW IEC80	LKH 5-70 1.5 kW IEC90	LKH 5-70 2.2 kW IEC90	LKH 5-70 3 kW IEC100	LKH 5-70 4 kW IEC112	LKH 5-70 5.5 kW IEC132
1	1	Motor ABB, 3000rpm . . . .	9614303002	9614303003	9614303004	9614303005	9614303006	9614303007
	1	Motor ABB, 1500rpm . . . .						9612402821
Pos	Qty	Denomination	LKH 5-70 7.5 kW IEC132	LKH 5-70 11 kW IEC160	LKH 5-70 15 kW IEC160	LKH 5-70 18.5 kW IEC160	LKH 5-70 22 kW IEC180	LKH 5-70 30 kW IEC200
1	1	Motor ABB, 3000rpm . . . .	9614303008	9614303009	9614303010	9614303011	9614303012	9614303013
	1	Motor ABB, 1500rpm . . . .	9612402835				9614303028	9614303029
Pos	Qty	Denomination	LKH 5-70 37 kW IEC200	LKH 5-70 45 kW IEC200	LKH 5-70 55 kW IEC250	LKH 5-70 75 kW IEC250		
1	1	Motor ABB, 3000rpm . . . .	9614303014	9614303015	9614303016	9614303017		
	1	Motor ABB, 1500rpm . . . .	9614303030		9614303032	9614303033		
Pos	Qty	Denomination	LKH-85 30 kW IEC200	LKH-85 37 kW IEC200	LKH-85 45 kW IEC200	LKH-85 55 kW IEC250	LKH-85 75 kW IEC250	LKH-85 90 kW IEC280
1	1	Motor ABB, 3000rpm . . . .	9614289516	9614289517	9614289518	9614289519	9614289520	9614289522
Pos	Qty	Denomination	LKH-85 110 kW IEC280					
1	1	* Motor ABB Isolated bearings, 3000rpm . . . . .	9614289524					
Pos	Qty	Denomination	LKH-90 30 kW IEC200	LKH-90 37 kW IEC200	LKH-90 55 kW IEC250	LKH-90 75 kW IEC250		
1	1	Motor ABB, 1500rpm . . . .	9614303029	9614303030	9614303032	9614303033		

3 ~, 50 Hz, 230VD/400-415VY - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW  
 3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW

\* Bearings for frequency converter

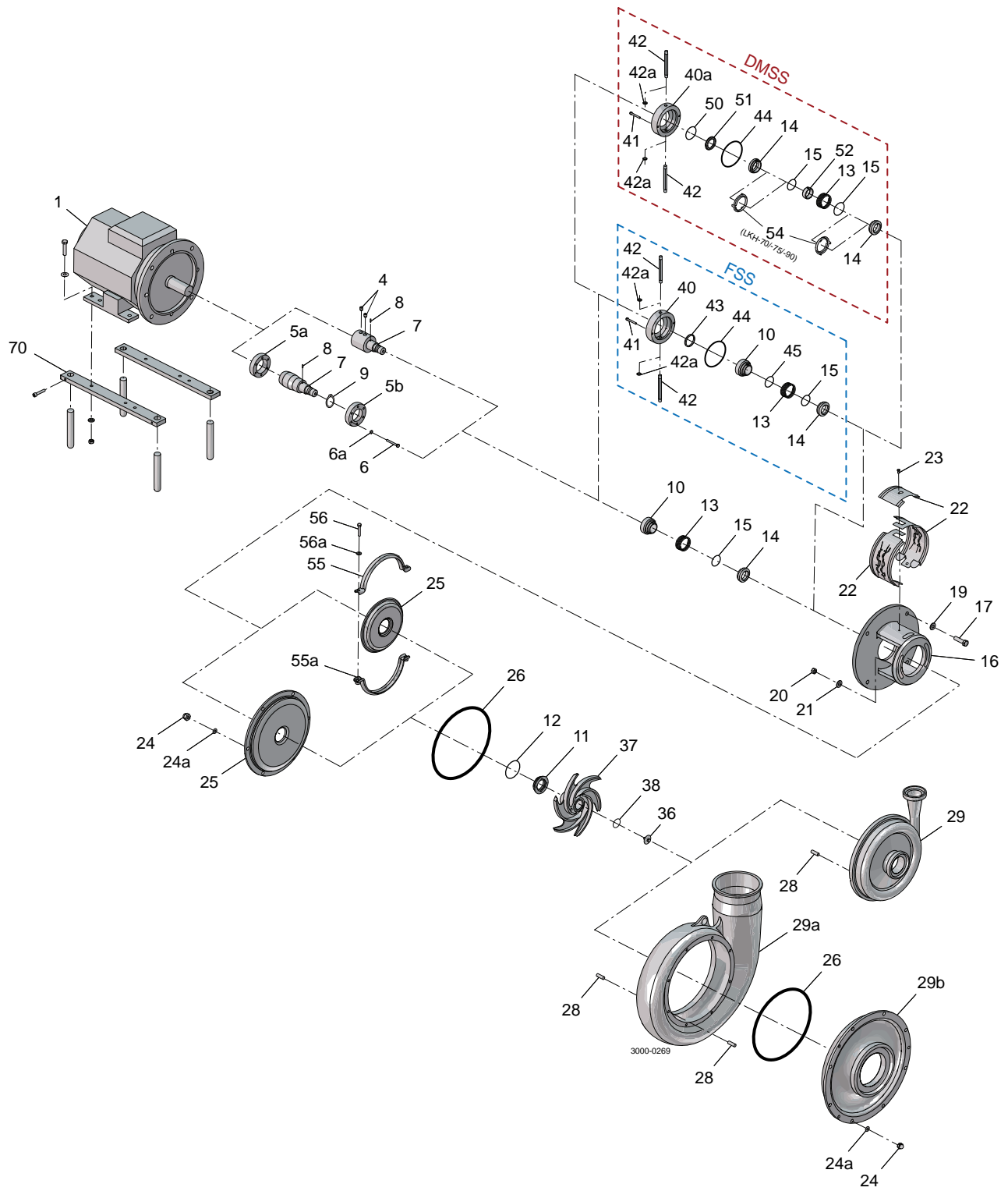




Pos	Qty	Denomination	LKH-5 1 Hp	LKH-5 1,5-2 Hp	LKH-5 3 Hp	LKH-10/60 1-2 Hp	LKH-10/60 3-5 Hp
5a	1	Compression ring, with thread				9612133601	9612133602
5b	1	Compression ring, without thread				9612133701	9612133702
6	6	Screw				9611993196	9611993196
6a	6	Washer				9611993199	9611993199
4	2	Screw	9612587503	9612587504	9612587505		
7	1	Shaft and pin, (pos.8)	9612595301	9612596101	9612595401		9612133102
	1	Shaft and pin (pos.8) and retaining (pos.9)				9612133002	
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring				9611992307	
16	1	Adaptor	9612595501	9612595501	9612595601	9612342801	9612342901
17	4	Screw for adaptor	9611994411	9611994411	9611994411	9611994411	9611994412
19	4	Washer for adaptor	9611994416	9611994416	9611994416	9611994416	9611994417
22	1	Safety guard set	9614077414	9614077414	9614077416	9614077413	9614077405
	1	Safety guard upper			9614090903	9614091301	9614076805
	1	Safety guard lower			9614091003	9614091401	9614076905
	1	Safety guard left	9615271001	9615271001	9615271201	9615270601	9615270701
	1	Safety guard right	9615271011	9615271011	9615241211	9615270611	9615270711
	1	Top plate	9615272201	9615272201	9615272401	9615271801	9615271901
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
70	1	Leg bracket	481654	481656	481661	481656	481661

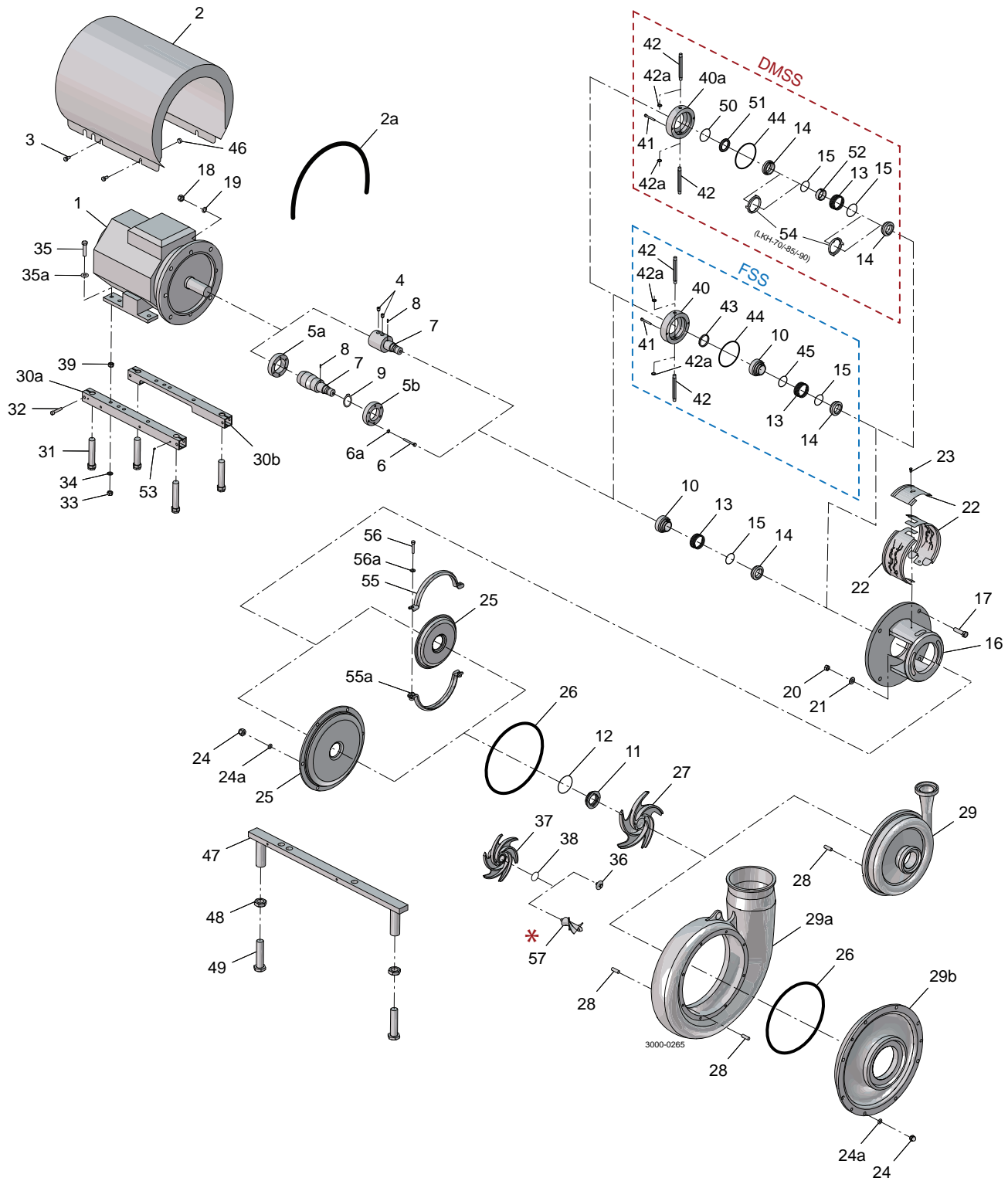
Pos	Qty	Denomination	LKH-10/60 7.5-10 Hp	LKH-10/60 15-20 Hp	LKH-10/60 25-30 Hp	LKH-10/60 40-60 Hp	LKH-70/90 7.5-10 Hp
5a	1	Compression ring, with thread	9612133606	9612133603	9612133603	9612133604	9612133606
5b	1	Compression ring, without thread	9612133706	9612133703	9612133703	9612133704	9612133706
6	6	Screw	9611993197	9611993198	9611993198	9611993198	9611993197
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft and pin, (pos.8)	9612133202	9612133302	9612133302	9612133402	9613859401
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring					9611993812
16	1	Adaptor	9612343001	9612343101	9612343102	9612342602	9612500803
17	4	Screw for adaptor	9611994413	9611994414	9611994414	9611994415	9611994413
19	4	Washer for adaptor	9611994417	9611994417	9611994417	9611994418	9611994417
22	1	Safety guard set	9614077412	9614077409	9614077409	9614077409	9614077417
	1	Safety guard upper	9614076806	9614076807	9614076807	9614076807	9614077006
	1	Safety guard lower	9614076906	9614076907	9614076907	9614076907	9614077106
	1	Safety guard left	9615270801	9615270901	9615270901	9615270901	
	1	Safety guard right	9615270811	9615270911	9615270911	9615270911	
	1	Top plate	9615272001	9615272101	9615272101	9615272101	
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
70	1	Leg bracket	481663	481665	481669	9634056195	481663

Pos	Qty	Denomination	LKH-70/90 15-20Hp	LKH-70/90 25-30Hp	LKH-70/90 40-50Hp	LKH-70/90 60-75Hp	LKH-70/90 100Hp	LKH-70/90 125-150Hp
5a	1	Compression ring, with thread	9612133603	9612133603	9612133604	9612133604	9612133607	9612133608
5b	1	Compression ring, without thread	9612133703	9612133703	9612133704	9612133704	9612133707	9612133708
6	6	Screw	9611993198	9611993198	9611993198	9611993198	9611993198	9611993266
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft and pin, (pos.8)	9612512403	9612512403	9612512503	9612512503	9612554003	9613406601
16	1	Adaptor	9612512001	9612512002	9612511902	9612511902	9612511902	9613406801
17	4	Screw for adaptor	9611994414	9611994414	9611994415	9611994415	9611994415	9611994415
19	4	Washer for adaptor	9611994417	9611994417	9611994418	9611994418	9611994418	9611994418
22	1	Safety guard set	9614077410	9614077410	9614077410	9614077410	9614077410	9614077411
	1	Safety guard upper	9614077004	9614077004	9614077004	9614077004	9614077004	9614077005
	1	Safety guard lower	9614077104	9614077104	9614077104	9614077104	9614077104	9614077105
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239	9611993239
70	1	Leg bracket	481665	481669	9634056195	9634056196	9634056196	9634077517



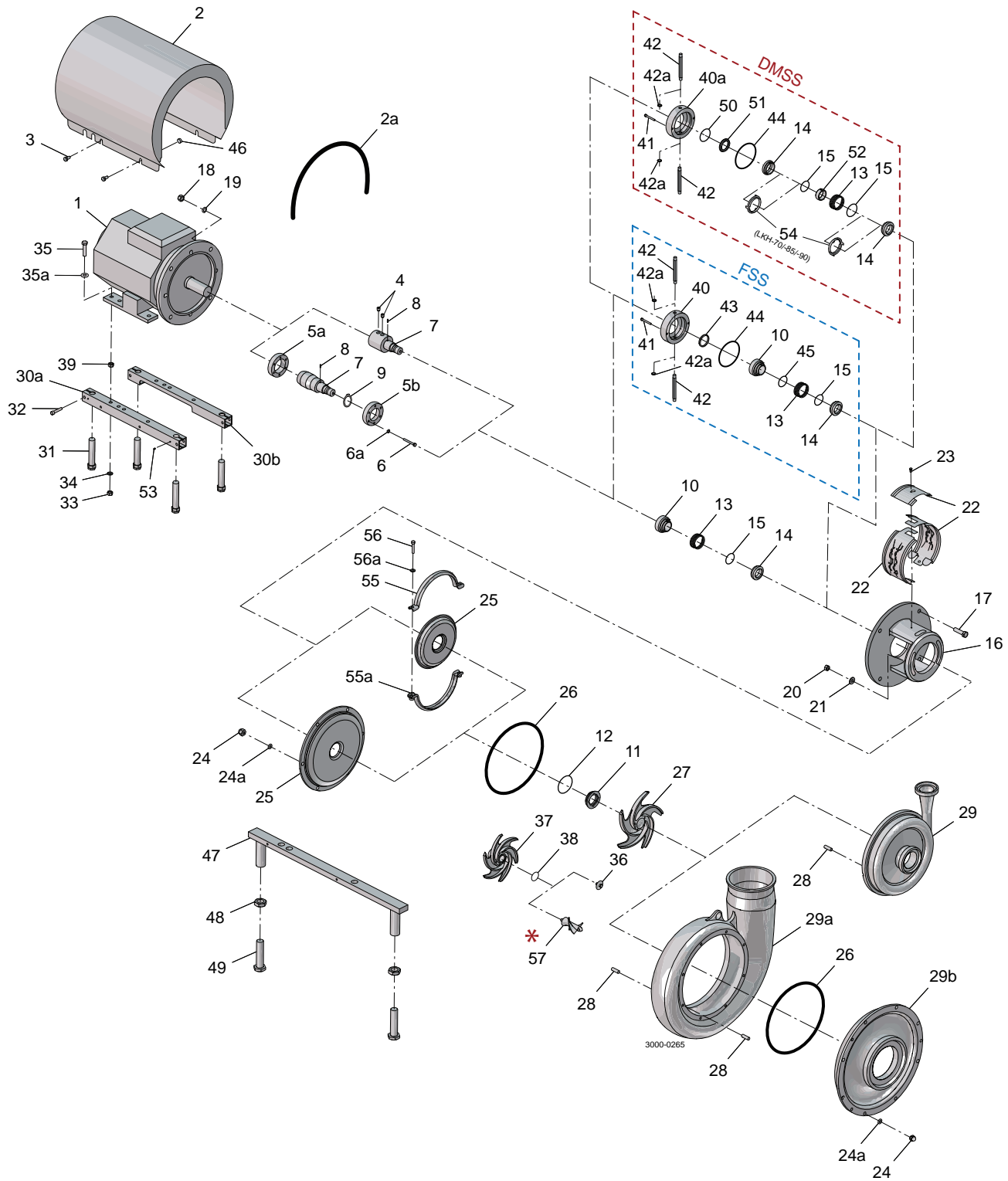
Pos	Qty	Denomination	1Hp	1Hp	1.5Hp	2hp	3Hp
1	1	Motor .....	56TC	143TC (1800 rpm)	143TC	145TC	182TC
Pos	Qty	Denomination	5Hp	7.5Hp	10Hp	15Hp	20Hp
1	1	Motor .....	184TC	213TC	215TC	254TC	256TC
Pos	Qty	Denomination	25Hp	30Hp	40Hp	50Hp	60Hp
1	1	Motor .....	284TSC	286TSC	324TSC	326TSC	364TSC
Pos	Qty	Denomination	70Hp	100Hp	125Hp	150Hp	
1	1	Motor .....	365TSC	405TSC	444TSC	445TSC	

3/60/208/230-460-standard



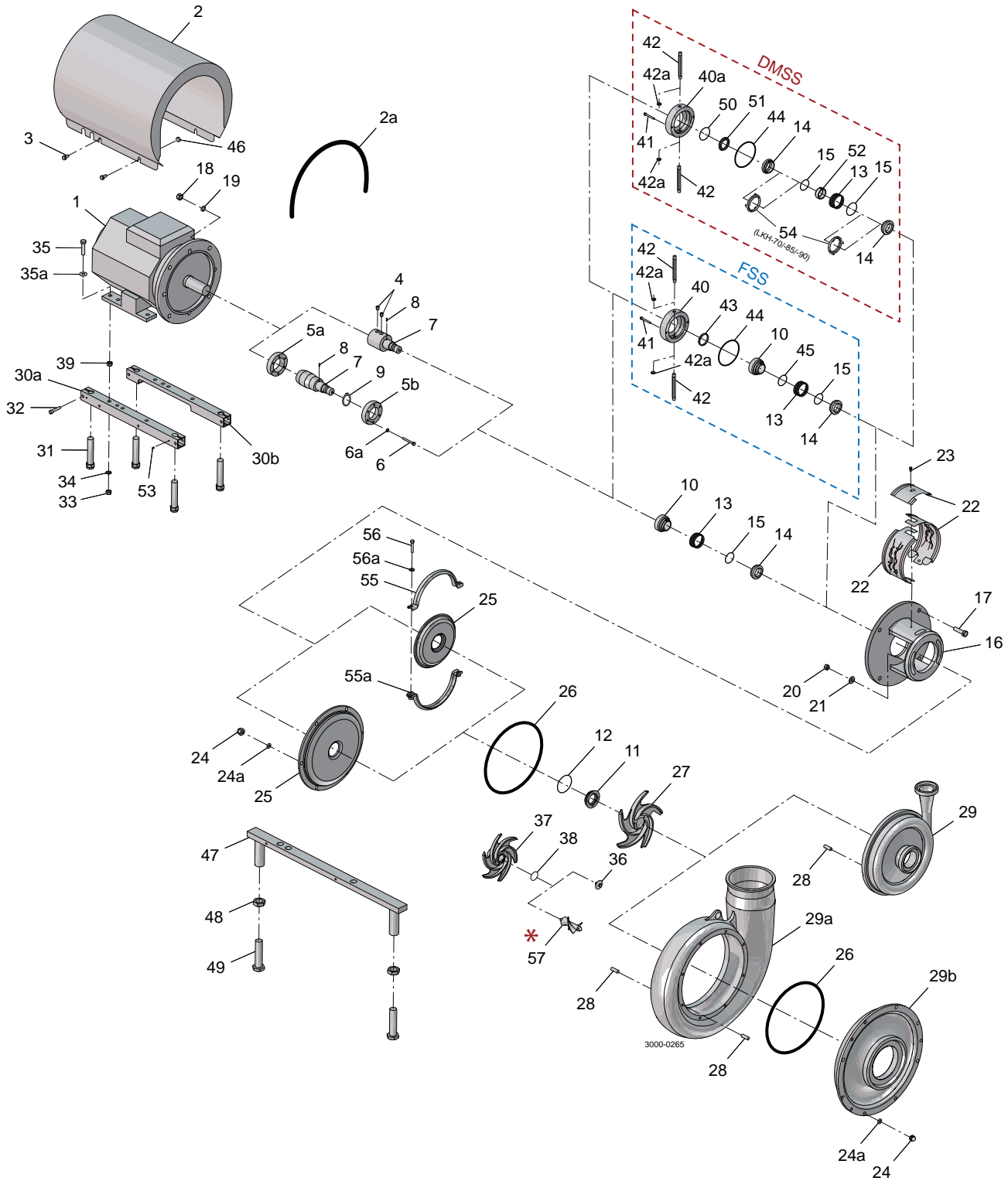
\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

Pos	Qty	Denomination	LKH 5-20	LKH 25-60	LKH-70	LKH-85	LKH-90
<b>Accessories</b>							
	1	Tool complete	9612903601	9612903601	9612903701	9612903701	9612903701
<b>Parts for flushed shaft seal</b>							
40	1	Seal housing	9612133901	9612133901	9612514401	9612514401	9612514401
41	2	Screw for seal housing	9611990203	9611990203	9611993232	9611993232	9611993232
42	2	Tube	9612358901	9612358907	9612358903		9612358901
42a	2	Fitting				9611992323	
<b>Parts for double mechanical shaft seal</b>							
40a	1	Seal housing	9612133902	9612133902	9612591401	9612591401	9612591401
41	2	Screw for seal housing	9611990203	9611990203	9611993766	9611993766	9611993766
42	2	Tube	9612358901	9612358907	9612358903		9612358901
42a	2	Fitting				9611992323	
<b>Drive ring</b>							
10	1	Drive ring, Single shaft seal steel	9614206001	9614206001	9612514901	9612514901	9612514901
	1	Drive ring, Flushed shaft seal	9612139701	9612139701	9612514901	9612514901	9612514901



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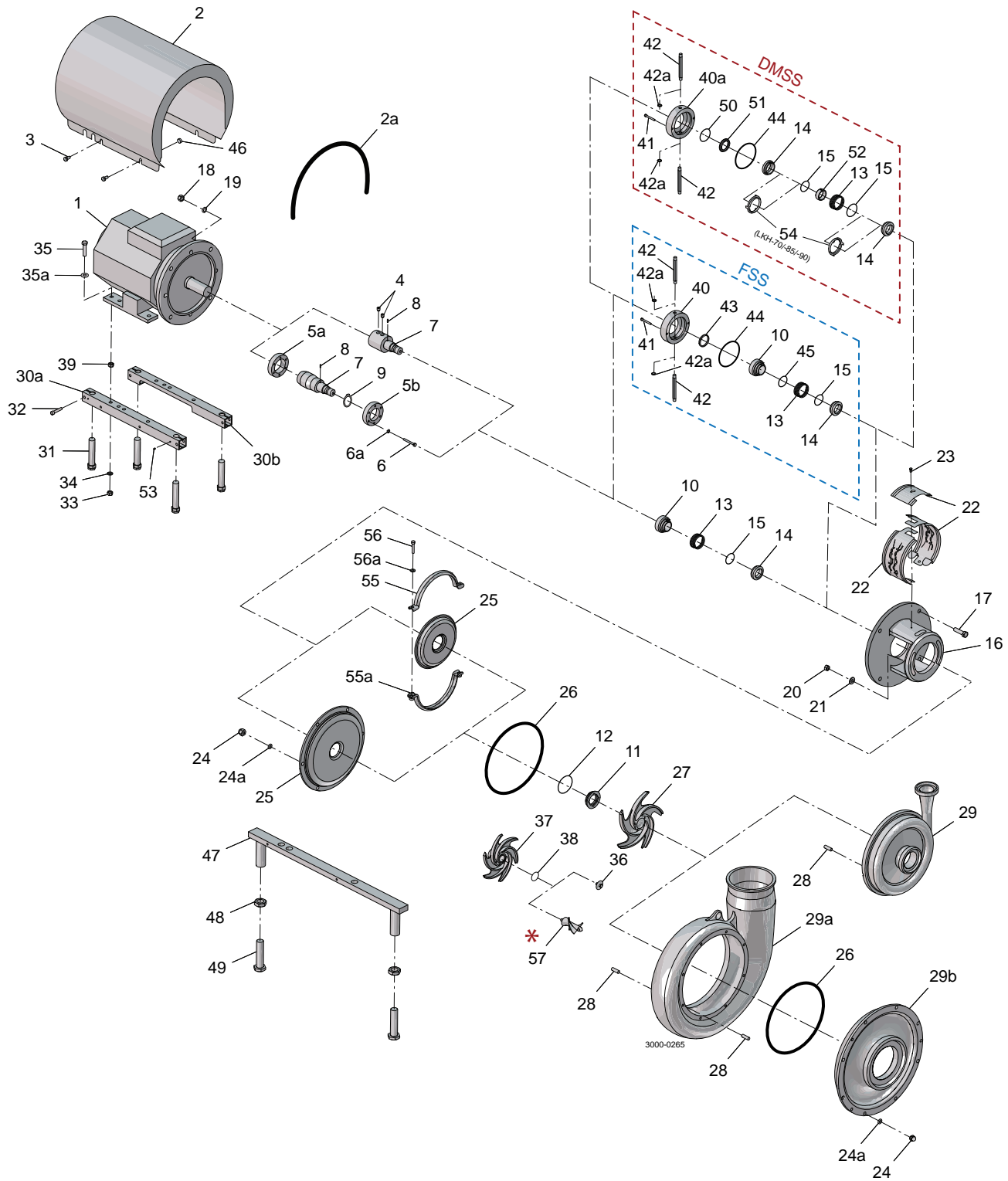
Pos	Qty	Denomination	LKH 5-60 EPDM	LKH 5-60 NBR	LKH 5-60 FPM	LKH 5-60 FEP
<b>Single shaft seal (standard)</b>						
		□◆ Complete shaft seal, C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
<b>Alternatives for single shaft seal</b>						
		◆◆ Complete shaft seal, SiC/SiC	9612129605	9612129606	9612129607	9612129608
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
<b>Flushed shaft seal (standard)</b>						
		○★ Complete shaft seal, C/SiC	9612129625	9612129626	9612129627	9612129628
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
		■◎ Complete shaft seal, SiC/SiC	9612129629	9612129630	9612129631	9612129632
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				
<b>Double mechanical shaft seal (standard)</b>						
		△▲ Complete seal, C/SiC	9612129613	9612129614	9612129615	9612129616
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
<b>Alternatives for double mechanical shaft seal</b>						
		⊗● Complete shaft seal, SiC/SiC	9612129617	9612129618	9612129619	9612129620
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				



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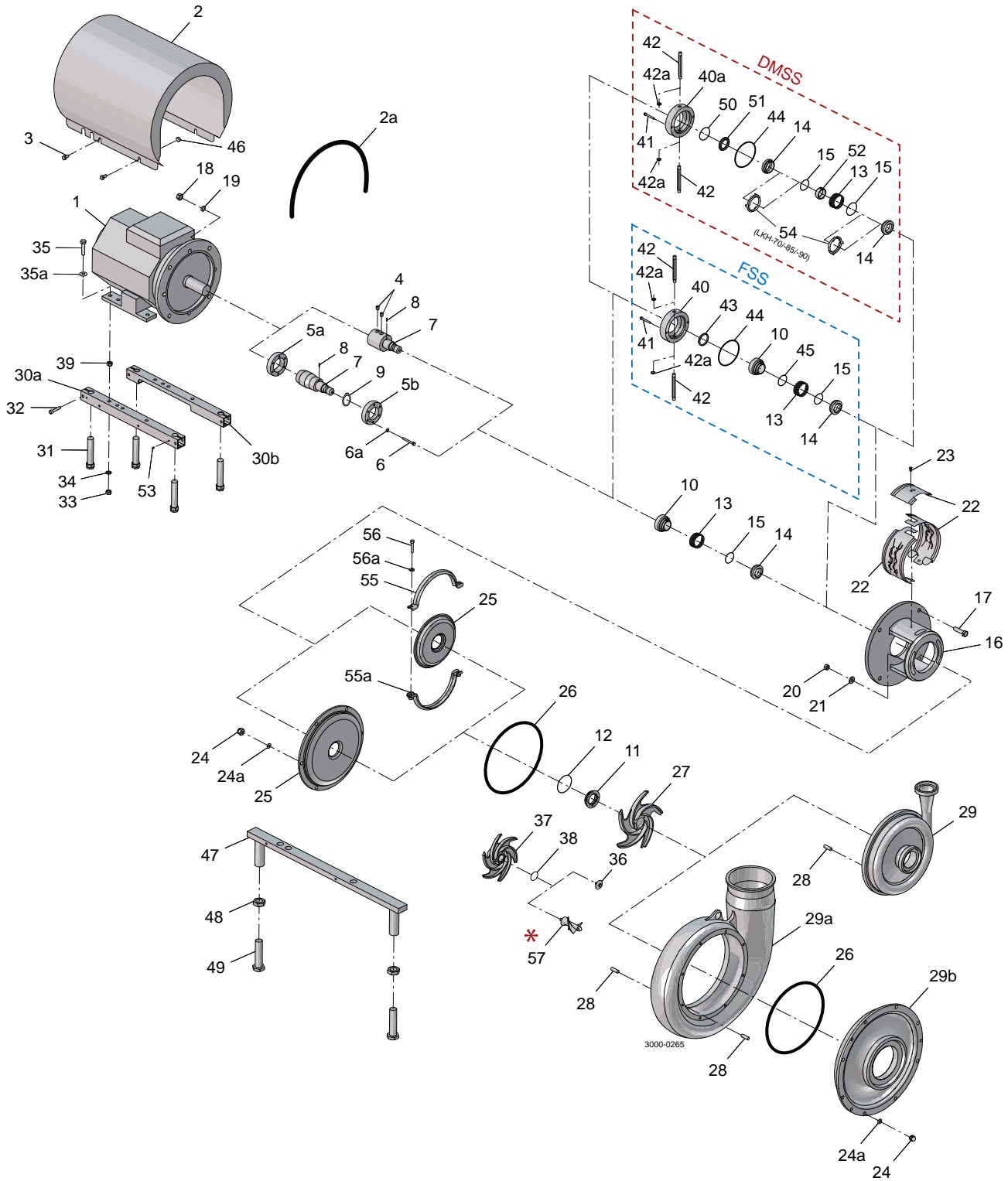


Pos	Qty	Denomination	LKH 70-90 EPDM	LKH 70-90 NBR	LKH 70-90 FPM	LKH 70-90 FEP
<b>Single shaft seal (standard)</b>						
		□◆ Complete shaft seal, C/SiC	9612515101	9612515102	9612515103	9612515104
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
<b>Alternatives for single shaft seal</b>						
		◆◆ Complete shaft seal, SiC/SiC	9612515105	9612515106	9612515107	9612515108
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
<b>Flushed shaft seal (standard)</b>						
		○★ Complete shaft seal, C/SiC	9612515109	9612515110	9612515111	9612515112
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
		■◎ Complete shaft seal, SiC/SiC	9612515113	9612515114	9612515115	9612515116
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				
<b>Double mechanical shaft seal (standard)</b>						
		△▲ Complete seal, C/SiC	9612515117	9612515118	9612515119	9612515120
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
54	2	Cup				
<b>Alternatives for double mechanical shaft seal</b>						
		※● Complete shaft seal, SiC/SiC	9612515121	9612515122	9612515123	9612515124
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
54	2	Cup				



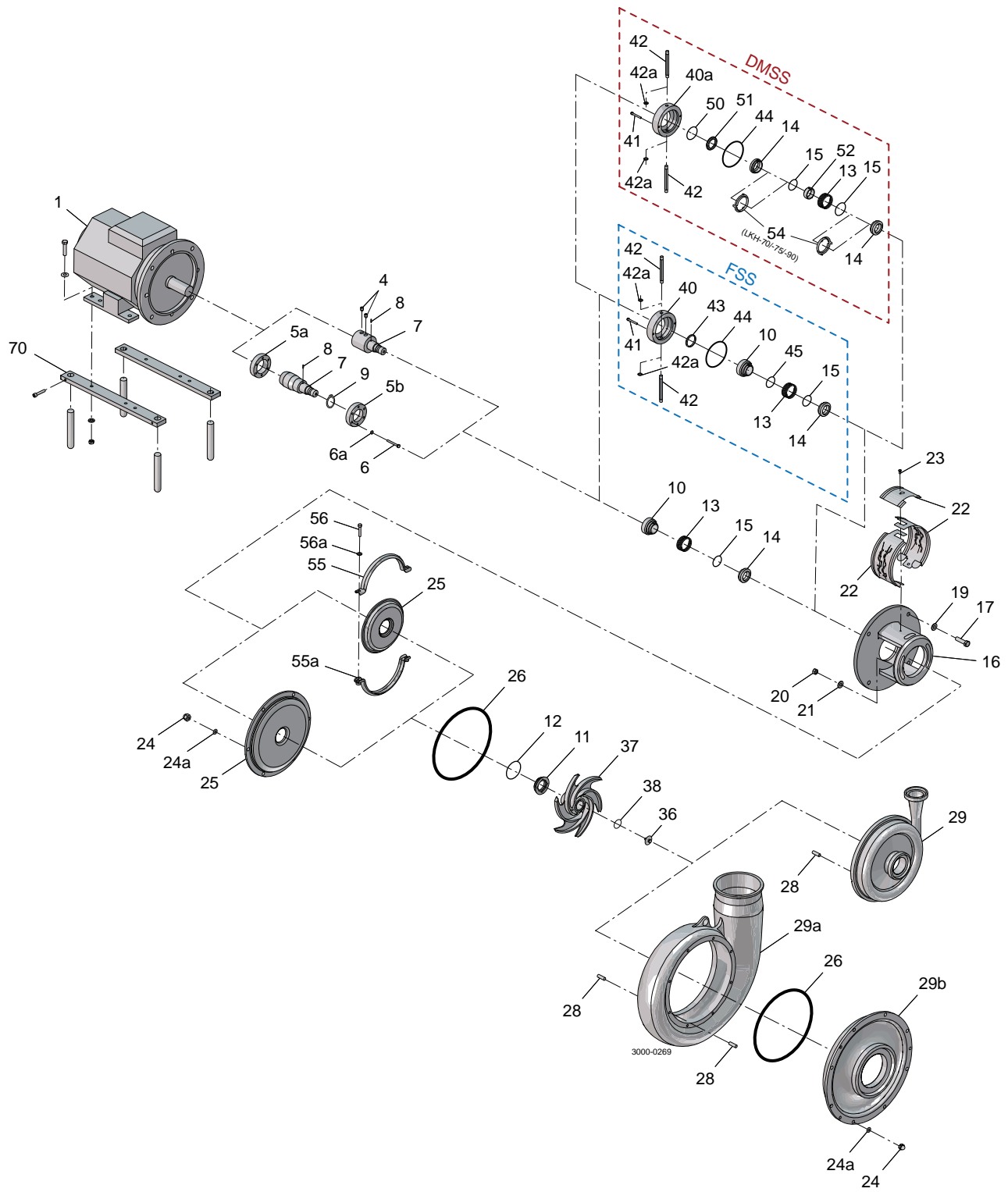
\* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

		EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal C/SiC</b>					
□	Service kit, C/SiC (LKH-5) . . . . .	9611922302	9611922303	9611922304	9611922305
□	Service kit, C/SiC (LKH-10/15) . . . . .	9611922072	9611922073	9611922074	9611922075
□	Service kit, C/SiC (LKH-20) . . . . .	9611922080	9611922081	9611922082	9611922083
□	Service kit, C/SiC (LKH-25/35/45) . . . . .	9611922178	9611922179	9611922180	9611922181
□	Service kit, C/SiC (LKH-40/50/60) . . . . .	9611922088	9611922089	9611922090	9611922091
<b>Service kit for single shaft seal SiC/SiC</b>					
✧	Service kit, SiC/SiC (LKH-5) . . . . .	9611922522	9611922523	9611922524	9611922525
✧	Service kit, SiC/SiC (LKH-10/15) . . . . .	9611922546	9611922547	9611922548	9611922549
✧	Service kit, SiC/SiC (LKH-20) . . . . .	9611922570	9611922571	9611922572	9611922573
✧	Service kit, SiC/SiC (LKH-25/35/45) . . . . .	9611922594	9611922595	9611922596	9611922597
✧	Service kit, SiC/SiC (LKH-40/50/60) . . . . .	9611922619	9611922620	9611922621	9611922622
<b>Service kit for single shaft seal and impeller screw C/SiC</b>					
◆	Service kit, C/SiC (LKH-5) . . . . .	9611922306	9611922307	9611922308	9611922309
◆	Service kit, C/SiC (LKH-10/15) . . . . .	9611922114	9611922115	9611922116	9611922117
◆	Service kit, C/SiC (LKH-20) . . . . .	9611922122	9611922123	9611922124	9611922125
◆	Service kit, C/SiC (LKH-25/35/45) . . . . .	9611922182	9611922183	9611922184	9611922185
◆	Service kit, C/SiC (LKH-40/50/60) . . . . .	9611922130	9611922131	9611922132	9611922133
◆	Service kit, C/SiC (LKH-70) . . . . .	9611922238	9611922239	9611922240	9611922241
◆	Service kit, C/SiC (LKH-85) . . . . .	9611922952	9611922953	9611922954	9611922955
◆	Service kit, C/SiC (LKH-90) . . . . .	9611922867	9611922868	9611922869	9611922870
<b>Service kit for single shaft seal and impeller screw SiC/SiC</b>					
✧	Service kit, SiC/SiC (LKH-5) . . . . .	9611922526	9611922527	9611922528	9611922529
✧	Service kit, SiC/SiC (LKH-10/15) . . . . .	9611922550	9611922551	9611922552	9611922553
✧	Service kit, SiC/SiC (LKH-20) . . . . .	9611922574	9611922575	9611922576	9611922577
✧	Service kit, SiC/SiC (LKH-25/35/45) . . . . .	9611922598	9611922599	9611922600	9611922601
✧	Service kit, SiC/SiC (LKH-40/50/60) . . . . .	9611922623	9611922624	9611922625	9611922626
✧	Service kit, SiC/SiC (LKH-70) . . . . .	9611922643	9611922644	9611922645	9611922646
✧	Service kit, SiC/SiC (LKH-85) . . . . .	9611922964	9611922965	9611922966	9611922967
✧	Service kit, SiC/SiC (LKH-90) . . . . .	9611922879	9611922880	9611922881	9611922882
<b>Service kit for flushed shaft seal C/SiC</b>					
○	Service kit, C/SiC (LKH-5) . . . . .	9611922310	9611922311	9611922312	9611922313
○	Service kit, C/SiC (LKH-10/15) . . . . .	9611922076	9611922077	9611922078	9611922079
○	Service kit, C/SiC (LKH-20) . . . . .	9611922084	9611922085	9611922086	9611922087
○	Service kit, C/SiC (LKH-25/35/45) . . . . .	9611922186	9611922187	9611922188	9611922189
○	Service kit, C/SiC (LKH-40/50/60) . . . . .	9611922092	9611922093	9611922094	9611922095
<b>Service kit for flushed shaft seal SiC/SiC</b>					
■	Service kit, SiC/SiC (LKH-5) . . . . .	9611922530	9611922531	9611922532	9611922533
■	Service kit, SiC/SiC (LKH-10/15) . . . . .	9611922554	9611922555	9611922556	9611922557
■	Service kit, SiC/SiC (LKH-20) . . . . .	9611922578	9611922579	9611922580	9611922581
■	Service kit, SiC/SiC (LKH-25/35/45) . . . . .	9611922602	9611922603	9611922604	9611922605
■	Service kit, SiC/SiC (LKH-40/50/60) . . . . .	9611922627	9611922628	9611922629	9611922630

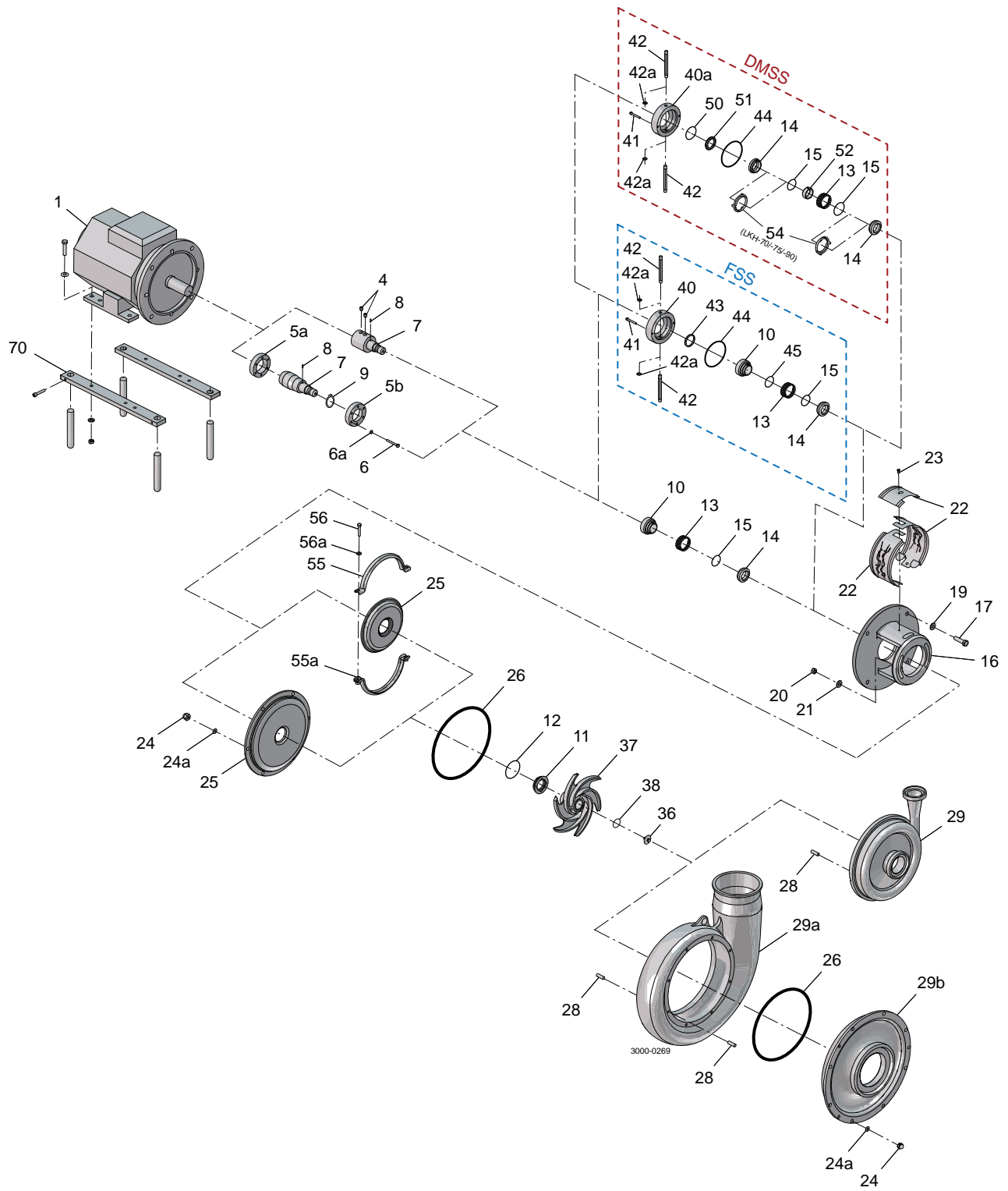


		EPDM	NBR	FPM	FEP
<b>Service kit for flushed shaft seal and impeller screw C/SiC</b>					
*	Service kit, C/SiC (LKH-5)	9611922314	9611922315	9611922316	9611922317
*	Service kit, C/SiC (LKH-10/15)	9611922118	9611922119	9611922120	9611922121
*	Service kit, C/SiC (LKH-20)	9611922126	9611922127	9611922128	9611922129
*	Service kit, C/SiC (LKH-25/35/45)	9611922190	9611922191	9611922192	9611922193
*	Service kit, C/SiC (LKH-40/50/60)	9611922134	9611922135	9611922136	9611922137
*	Service kit, C/SiC (LKH-70)	9611922242	9611922243	9611922244	9611922245
*	Service kit, C/SiC (LKH-85)	9611922956	9611922957	9611922958	9611922959
*	Service kit, C/SiC (LKH-90)	9611922871	9611922872	9611922873	9611922874
<b>Service kit for flushed shaft seal and impeller screw SiC/SiC</b>					
⊕	Service kit, SiC/SiC (LKH-5)	9611922534	9611922535	9611922536	9611922537
⊕	Service kit, SiC/SiC (LKH-10/15)	9611922558	9611922559	9611922560	9611922561
⊕	Service kit, SiC/SiC (LKH-20)	9611922582	9611922583	9611922584	9611922585
⊕	Service kit, SiC/SiC (LKH-25/35/45)	9611922606	9611922607	9611922608	9611922609
⊕	Service kit, SiC/SiC (LKH-40/50/60)	9611922631	9611922632	9611922633	9611922634
⊕	Service kit, SiC/SiC (LKH-70)	9611922647	9611922648	9611922649	9611922650
⊕	Service kit, SiC/SiC (LKH-85)	9611922968	9611922969	9611922970	9611922971
⊕	Service kit, SiC/SiC (LKH-90)	9611922883	9611922884	9611922885	9611922886
<b>Service kit for double mechanical shaft seal C/SiC</b>					
Δ	Service kit, C/SiC (LKH-5)	9611922318	9611922319	9611922320	9611922321
Δ	Service kit, C/SiC (LKH-10/15)	9611922206	9611922207	9611922208	9611922209
Δ	Service kit, C/SiC (LKH-20)	9611922214	9611922215	9611922216	9611922217
Δ	Service kit, C/SiC (LKH-25/35/45)	9611922222	9611922223	9611922224	9611922225
Δ	Service kit, C/SiC (LKH-40/50/60)	9611922230	9611922231	9611922232	9611922233
<b>Service kit for double mechanical shaft seal SiC/SiC</b>					
⊗	Service kit, SiC/SiC (LKH-5)	9611922538	9611922539	9611922540	9611922541
⊗	Service kit, SiC/SiC (LKH-10/15)	9611922562	9611922563	9611922564	9611922565
⊗	Service kit, SiC/SiC (LKH-20)	9611922586	9611922587	9611922588	9611922589
⊗	Service kit, SiC/SiC (LKH-25/35/45)	9611922610	9611922611	9611922612	9611922613
⊗	Service kit, SiC/SiC (LKH-40/50/60)	9611922635	9611922636	9611922637	9611922638
<b>Service kit for double mechanical shaft seal and impeller screw C/SiC</b>					
▲	Service kit, C/SiC (LKH-5)	9611922322	9611922323	9611922324	9611922325
▲	Service kit, C/SiC (LKH-10/15)	9611922210	9611922211	9611922212	9611922213
▲	Service kit, C/SiC (LKH-20)	9611922218	9611922219	9611922220	9611922221
▲	Service kit, C/SiC (LKH-25/35/45)	9611922226	9611922227	9611922228	9611922229
▲	Service kit, C/SiC (LKH-40/50/60)	9611922234	9611922235	9611922236	9611922237
▲	Service kit, C/SiC (LKH-70)	9611922416	9611922417	9611922418	9611922419
▲	Service kit, C/SiC (LKH-85)	9611922960	9611922961	9611922962	9611922963
▲	Service kit, C/SiC (LKH-90)	9611922875	9611922876	9611922877	9611922878
<b>Service kit for double mechanical shaft seal and impeller screw SiC/SiC</b>					
●	Service kit, SiC/SiC (LKH-5)	9611922542	9611922543	9611922544	9611922545
●	Service kit, SiC/SiC (LKH-10/15)	9611922566	9611922567	9611922568	9611922569
●	Service kit, SiC/SiC (LKH-20)	9611922590	9611922591	9611922592	9611922593
●	Service kit, SiC/SiC (LKH-25/35/45)	9611922614	9611922615	9611922616	9611922617
●	Service kit, SiC/SiC (LKH-40/50/60)	9611922639	9611922640	9611922641	9611922642
●	Service kit, SiC/SiC (LKH-70)	9611922651	9611922652	9611922653	9611922654
●	Service kit, SiC/SiC (LKH-85)	9611922972	9611922973	9611922974	9611922975
●	Service kit, SiC/SiC (LKH-90)	9611922887	9611922888	9611922889	9611922890

Parts marked with □●○★▲⊕⊗⊗⊗ are included in the service kits. Recommended spare parts: Service kits. (900601/11)  
 Conversion kit - single to double mechanical shaft seal: Please order double mechanical service kit + pos. 40a+41+42 (for LKH-85 pos 40a+41+42a).  
 Conversion kit single to flushed shaft seal: Please order Flushed service kit + pos. 10+40+41+42 (for LKH85 pos.10+ 40+41+42a).  
 Replace to inducer (for pump with impeller screw). Please order pos. 7+57+38. Replace inducer (for pump without impeller screw) please order pos. 7+57+37+38.



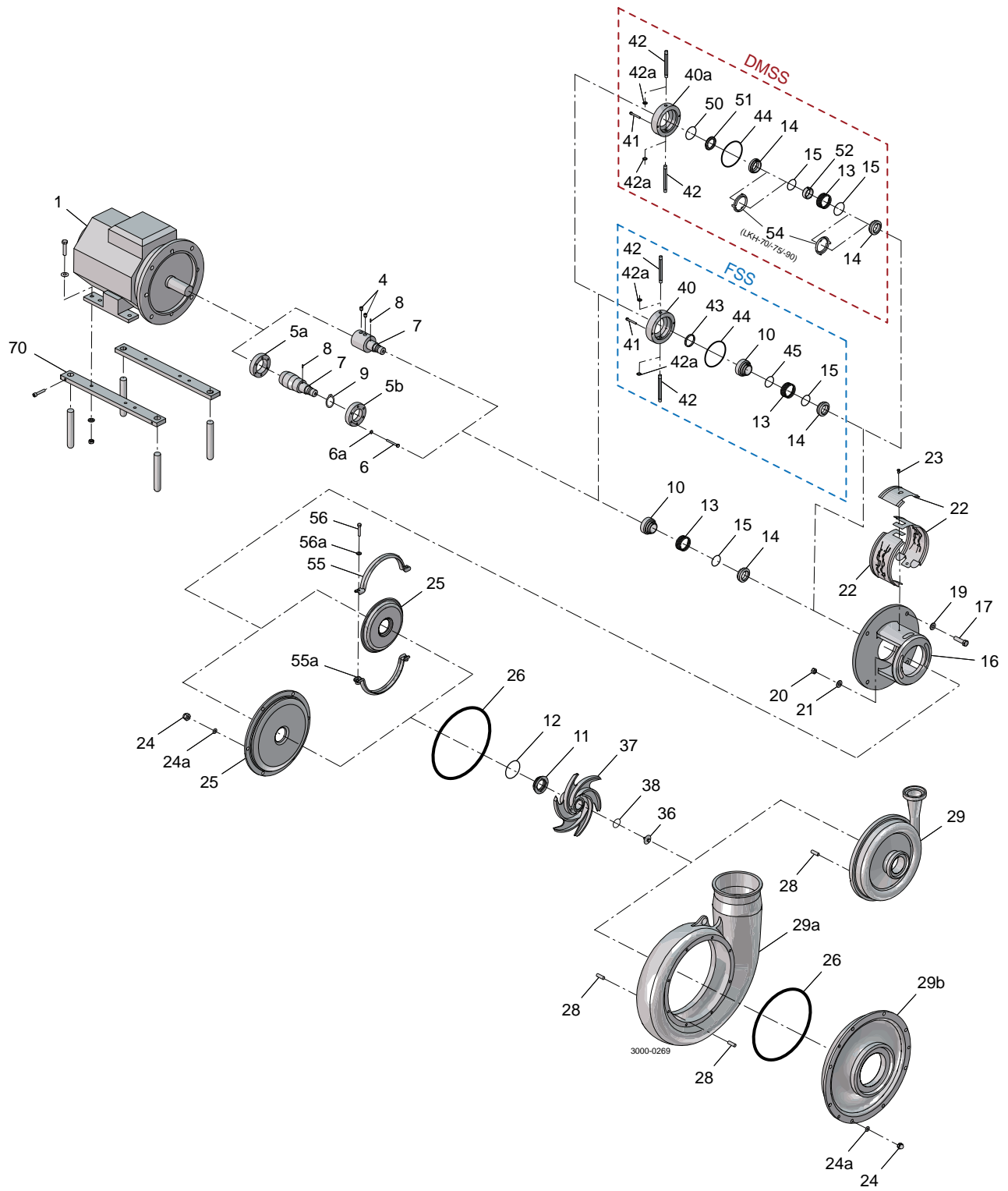
Pos	Qty	Denomination	LKH-5	LKH-10/15/20	LKH-25/35/40/45/50/60	LKH-70/75/90	LKH-85
<b>Accessories</b>							
	1	Tool complete	9612903601	9612903601	9612903601	9612903701	9612903701
<b>Parts for Flushed Shaft Seal</b>							
40	1	Seal housing (period 12.2014-)	9612133903	9612133903	9612133903	9612514403	9612514403
	1	Seal housing (period -12.2014)	9612133901	9612133901	9612133901	9612514401	9612514401
41	2	Screw for seal housing	9611990203	9611990203	9611990203	9611993232	9611993232
42	2	Tube (period 12.2014-)	9612358916	9612358916	9612358918	9612358917	
	2	Tube (period -12.2014)	9612358902	9612358902	9612358908	9612358904	
42a	2	Fitting					9611995691
<b>Parts for Double Mechanical Shaft Seal</b>							
40a	1	Seal housing (period 12.2014-)	9612133904	9612133904	9612133904	9612591402	9612591402
	1	Seal housing (period -12.2014)	9612133902	9612133902	9612133902	9612591401	9612591401
41	2	Screw for seal housing	9611990203	9611990203	9611990203	9611993766	9611993766
42	2	Tube (period 04.2014-)	9612358916	9612358916	9612358918	9612358917	
	2	Tube (period -04.2014)	9612358902	9612358902	9612358908	9612358904	
42a	2	Fitting					9611995691
10	1	Drive ring, Single shaft seal steel	9614206001	9614206001	9614206001	9612514901	9612514901
	1	Drive ring, Flushed shaft seal	9612139701	9612139701	9612139701	9612514901	9612514901





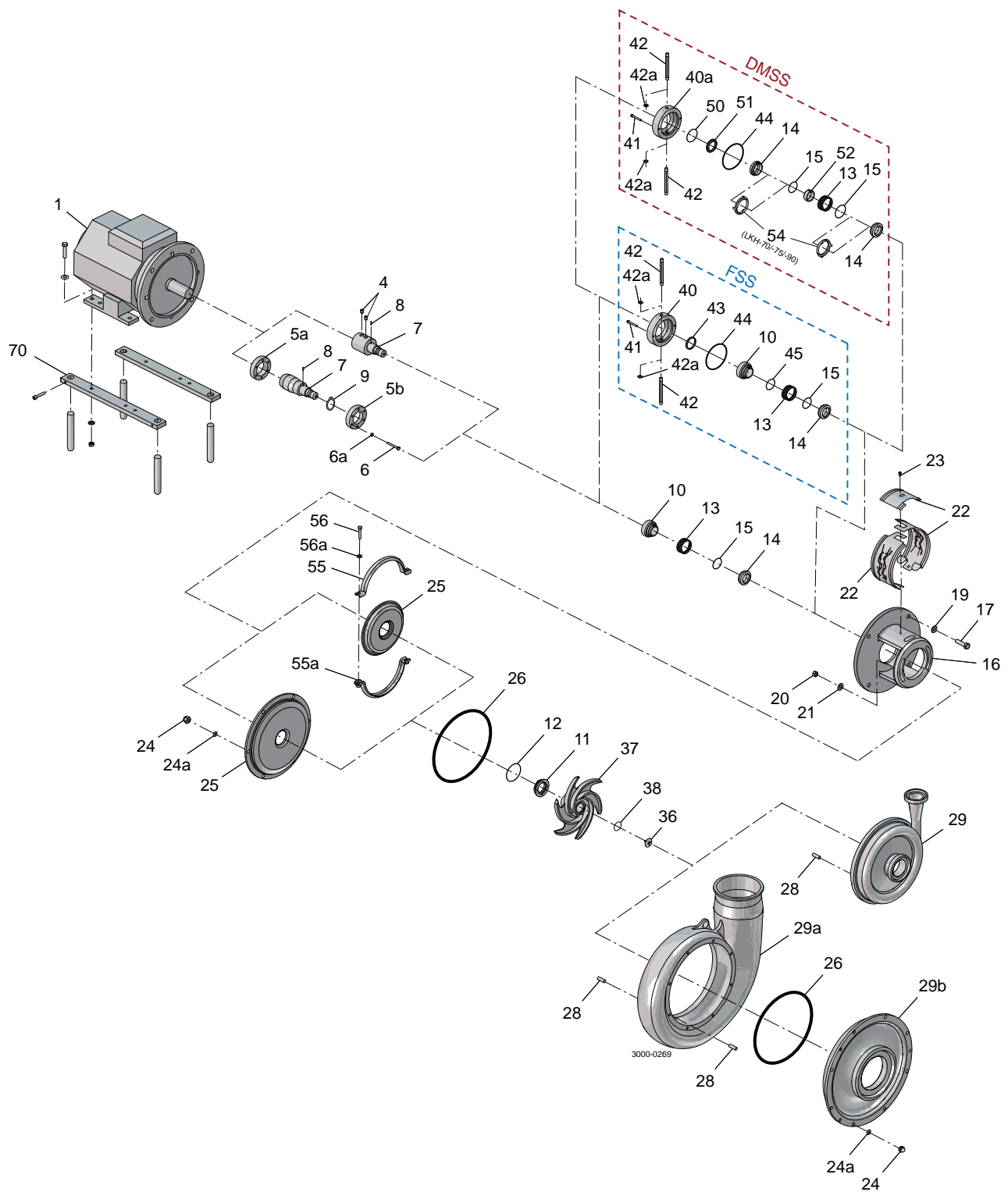
LKH 10-60

Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Single shaft seal (standard)</b>						
♦		Complete shaft seal, C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
<b>Alternatives for single shaft seal</b>						
♠		Complete shaft seal, SiC/SiC	9612129605	9612129606	9612129607	9612129608
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
<b>Flushed shaft seal (standard)</b>						
★		Complete shaft seal, C/SiC	9612129625	9612129626	9612129627	9612129628
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
♣		Complete shaft seal, SiC/SiC	9612129629	9612129630	9612129631	9612129632
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				
<b>Double mechanical shaft seal (standard)</b>						
△		Complete shaft seal, C/SiC	9612129613	9612129614	9612129615	9612129616
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
<b>Alternatives for Double Mechanical shaft seal</b>						
●		Complete shaft seal, SiC/SiC	9612129617	9612129618	9612129619	9612129620
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				

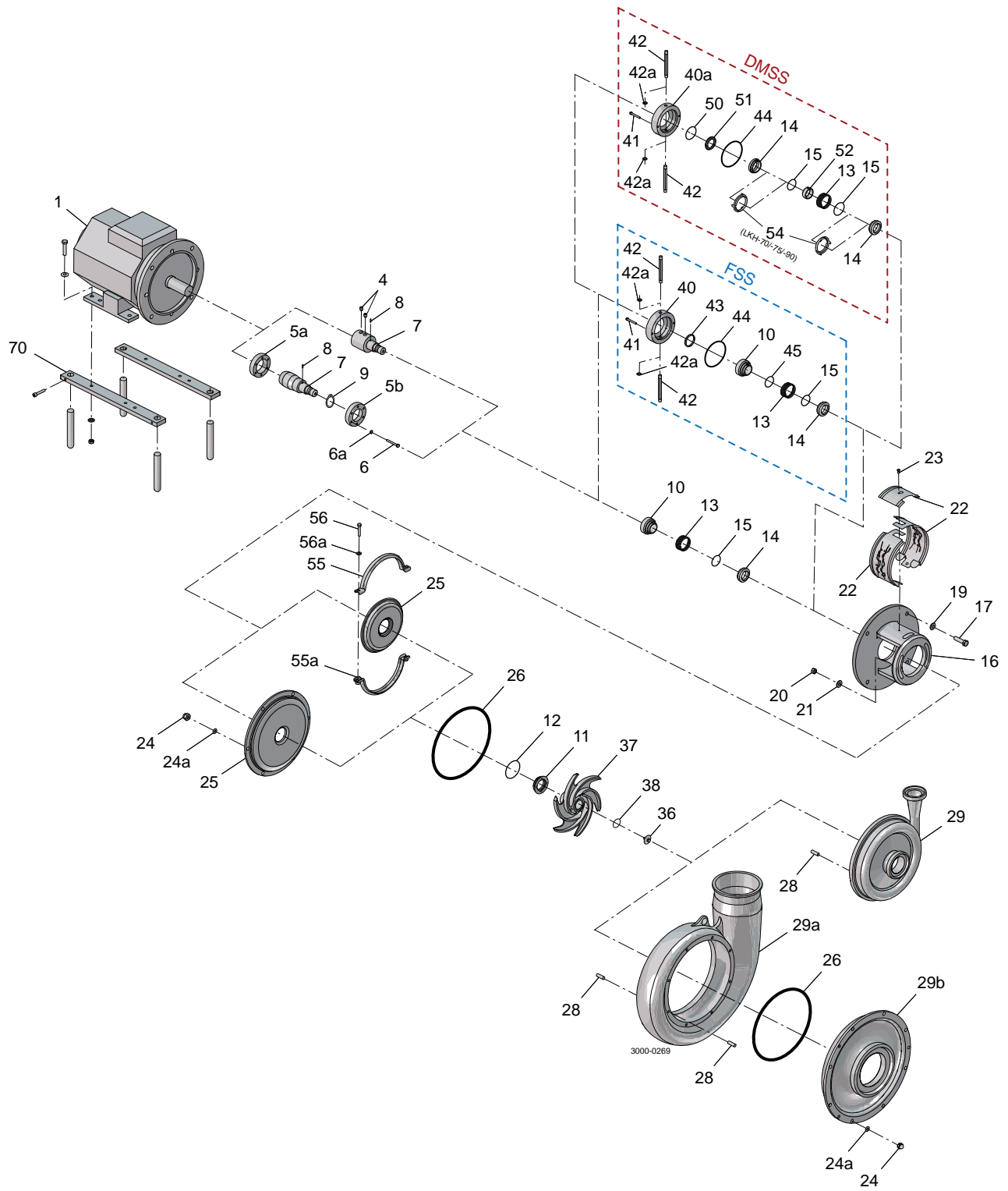


LKH 70-90

Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Single shaft seal (standard)</b>						
♦		Complete shaft seal, C/SiC	9612515101	9612515102	9612515103	9612515104
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
<b>Alternatives for single shaft seal</b>						
♠		Complete shaft seal, SiC/SiC	9612515105	9612515106	9612515107	9612515108
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
<b>Flushed shaft seal (standard)</b>						
★		Complete shaft seal, C/SiC	9612515109	9612515110	9612515111	9612515112
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
♣		Complete shaft seal, SiC/SiC	9612515113	9612515114	9612515115	9612515116
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				
<b>Double mechanical shaft seal (standard)</b>						
△		Complete shaft seal, C/SiC	9612515117	9612515118	9612515119	9612515120
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
54	2	Cup				
<b>Alternatives for Double Mechanical shaft seal</b>						
●		Complete shaft seal, SiC/SiC	9612515121	9612515122	9612515123	9612515124
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
54	2	Cup				



		EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal</b>					
<b>C/SiC</b>					
♦	Service kit, C/SiC (LKH-5)	9611922306	9611922307	9611922308	9611922309
♦	Service kit, C/SiC (LKH-10/15)	9611922114	9611922115	9611922116	9611922117
♦	Service kit, C/SiC (LKH-20)	9611922122	9611922123	9611922124	9611922125
♦	Service kit, C/SiC (LKH-25/35/45)	9611922182	9611922183	9611922184	9611922185
♦	Service kit, C/SiC (LKH-40/50/60)	9611922130	9611922131	9611922132	9611922133
♦	Service kit, C/SiC (LKH-70)	9611922238	9611922239	9611922240	9611922241
♦	Service kit, C/SiC (LKH-75)	9611922976	9611922977	9611922978	
♦	Service kit, C/SiC (LKH-85)	9611922952	9611922953	9611922954	9611922955
♦	Service kit, C/SiC (LKH-90)	9611922867	9611922868	9611922869	9611922870
<b>SiC/SiC</b>					
◇	Service kit, SiC/SiC (LKH-5)	9611922526	9611922527	9611922528	9611922529
◇	Service kit, SiC/SiC (LKH-10/15)	9611922550	9611922551	9611922552	9611922553
◇	Service kit, SiC/SiC (LKH-20)	9611922574	9611922575	9611922576	9611922577
◇	Service kit, SiC/SiC (LKH-25/35/45)	9611922598	9611922599	9611922600	9611922601
◇	Service kit, SiC/SiC (LKH-40/50/60)	9611922623	9611922624	9611922625	9611922626
◇	Service kit, SiC/SiC (LKH-70)	9611922643	9611922644	9611922645	9611922646
◇	Service kit, SiC/SiC (LKH-75)	9611922985	9611922986	9611922987	
◇	Service kit, SiC/SiC (LKH-85)	9611922964	9611922965	9611922966	9611922967
◇	Service kit, SiC/SiC (LKH-90)	9611922879	9611922880	9611922881	9611922882
<b>Service kit for flushed shaft seal</b>					
<b>C/SiC</b>					
*	Service kit, C/SiC (LKH-5)	9611922314	9611922315	9611922316	9611922317
*	Service kit, C/SiC (LKH-10/15)	9611922118	9611922119	9611922120	9611922121
*	Service kit, C/SiC (LKH-20)	9611922126	9611922127	9611922128	9611922129
*	Service kit, C/SiC (LKH-25/35/45)	9611922190	9611922191	9611922192	9611922193
*	Service kit, C/SiC (LKH-40/50/60)	9611922134	9611922135	9611922136	9611922137
*	Service kit, C/SiC (LKH-70)	9611922242	9611922243	9611922244	9611922245
*	Service kit, C/SiC (LKH-75)	9611922979	9611922980	9611922981	
*	Service kit, C/SiC (LKH-85)	9611922956	9611922957	9611922958	9611922959
*	Service kit, C/SiC (LKH-90)	9611922871	9611922872	9611922873	9611922874
<b>SiC/SiC</b>					
⊙	Service kit, SiC/SiC (LKH-5)	9611922534	9611922535	9611922536	9611922537
⊙	Service kit, SiC/SiC (LKH-10/15)	9611922558	9611922559	9611922560	9611922561
⊙	Service kit, SiC/SiC (LKH-20)	9611922582	9611922583	9611922584	9611922585
⊙	Service kit, SiC/SiC (LKH-25/35/45)	9611922606	9611922607	9611922608	9611922609
⊙	Service kit, SiC/SiC (LKH-40/50/60)	9611922631	9611922632	9611922633	9611922634
⊙	Service kit, SiC/SiC (LKH-70)	9611922647	9611922648	9611922649	9611922650
⊙	Service kit, SiC/SiC (LKH-75)	9611922988	9611922989	9611922990	
⊙	Service kit, SiC/SiC (LKH-85)	9611922968	9611922969	9611922970	9611922971
⊙	Service kit, SiC/SiC (LKH-90)	9611922883	9611922884	9611922885	9611922886



		EPDM	NBR	FPM	FEP
<b>Service kit for double mechanical shaft seal</b>					
<b>C/SiC</b>					
Δ	Service kit, C/SiC (LKH-5) . . . . .	9611922322	9611922323	9611922324	9611922325
Δ	Service kit, C/SiC (LKH-10/15) . . . . .	9611922210	9611922211	9611922212	9611922213
Δ	Service kit, C/SiC (LKH-20) . . . . .	9611922218	9611922219	9611922220	9611922221
Δ	Service kit, C/SiC (LKH-25/35/45) . . . . .	9611922226	9611922227	9611922228	9611922229
Δ	Service kit, C/SiC (LKH-40/50/60) . . . . .	9611922234	9611922235	9611922236	9611922237
Δ	Service kit, C/SiC (LKH-70) . . . . .	9611922416	9611922417	9611922418	9611922419
Δ	Service kit, C/SiC (LKH-75) . . . . .	9611922982	9611922983	9611922984	
Δ	Service kit, C/SiC (LKH-85) . . . . .	9611922960	9611922961	9611922962	9611922963
Δ	Service kit, C/SiC (LKH-90) . . . . .	9611922875	9611922876	9611922877	9611922878
<b>SiC/SiC</b>					
	Service kit, SiC/SiC (LKH-5) . . . . .	9611922542	9611922543	9611922544	9611922545
•	Service kit, SiC/SiC (LKH-10/15) . . . . .	9611922566	9611922567	9611922568	9611922569
•	Service kit, SiC/SiC (LKH-20) . . . . .	9611922590	9611922591	9611922592	9611922593
•	Service kit, SiC/SiC (LKH-25/35/45) . . . . .	9611922614	9611922615	9611922616	9611922617
•	Service kit, SiC/SiC (LKH-40/50/60) . . . . .	9611922639	9611922640	9611922641	9611922642
•	Service kit, SiC/SiC (LKH-70) . . . . .	9611922651	9611922652	9611922653	9611922654
•	Service kit, SiC/SiC (LKH-75) . . . . .	9611922991	9611922992	9611922993	
•	Service kit, SiC/SiC (LKH-85) . . . . .	9611922972	9611922973	9611922974	9611922975
•	Service kit, SiC/SiC (LKH-90) . . . . .	9611922887	9611922888	9611922889	9611922890

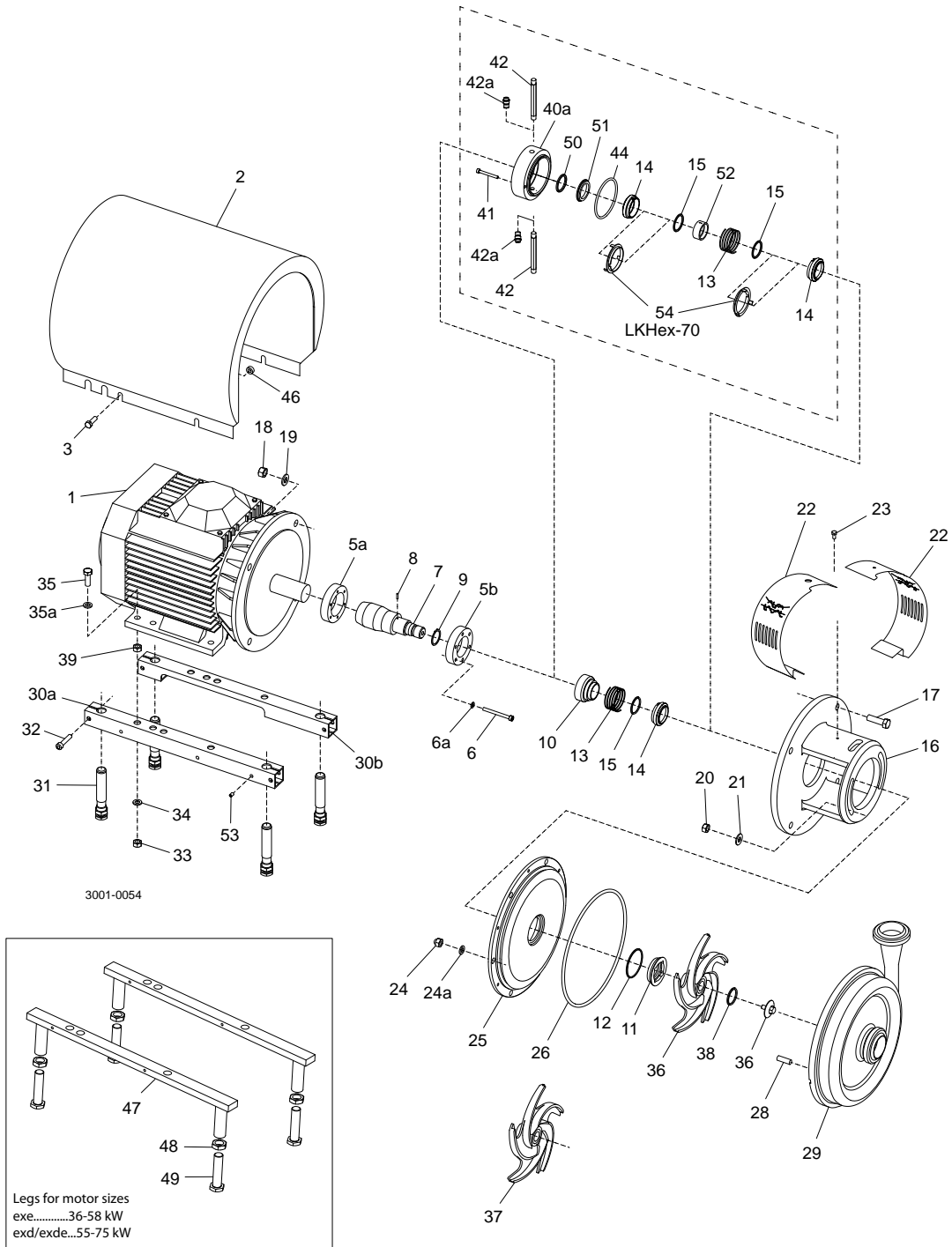
Parts marked with ♦★Δ◇● are included in the service kits.

Recommended Spare Parts: Service kits.

Shaft seal: See end of spare part

Conversion kit single to flushed shaft seal : Please order Flushed service kit + pos. 10+40+41+42 (for LKH-85 pos. 10+40+41+42a)

Conversion kit single to double mechanical shaft seal : Please order Double mechanical service kit + pos. 40a+41+42 (for LKH-85 pos. 40a+41+42a)  
(900602/10)



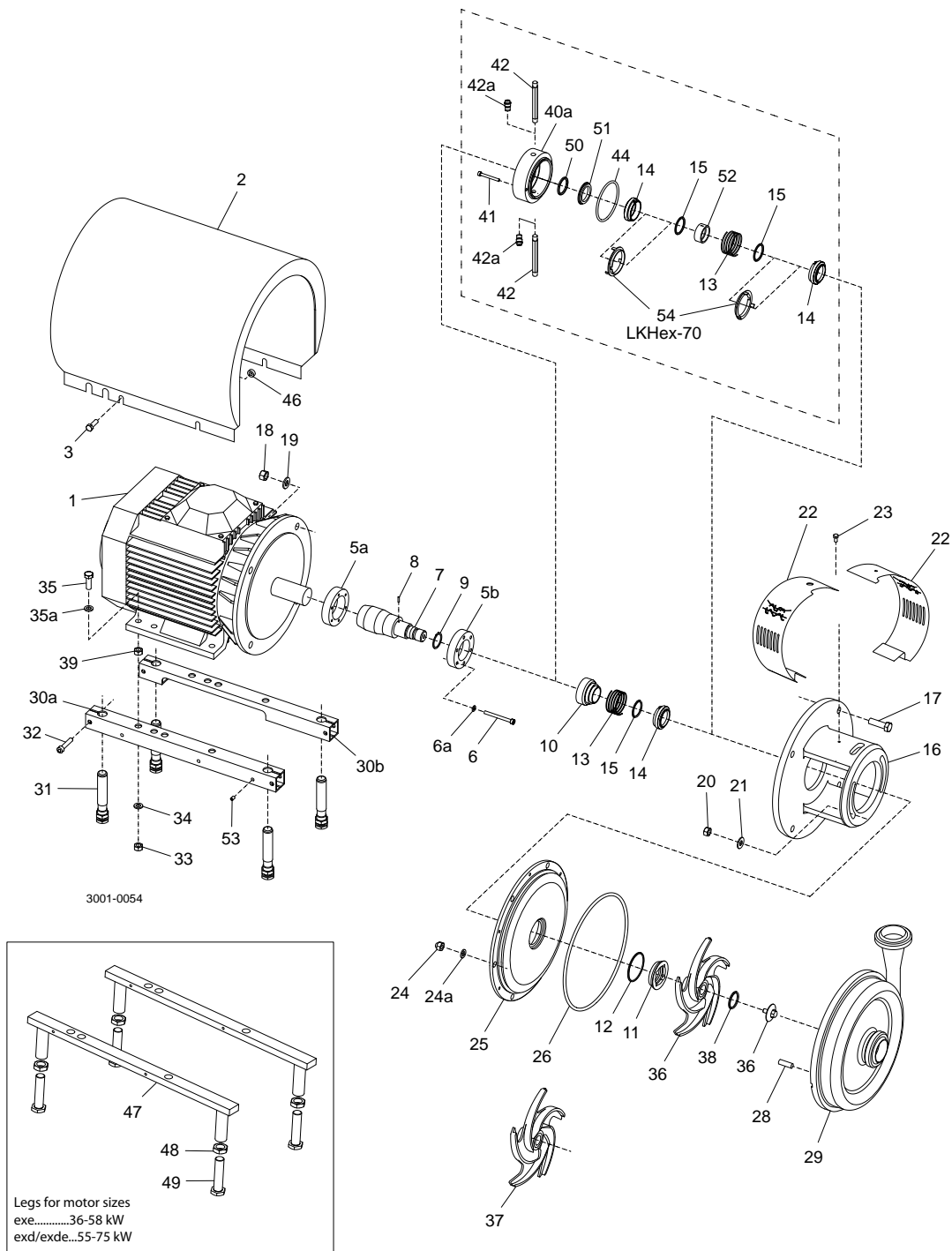


Pos	Qty	Denomination	Exe Exd/Exde	LKH-10	LKH-15	LKH-20	LKH-25	LKH-35
				IEC90-IEC132 IEC90-IEC112	IEC112-IEC132 IEC100-IEC132	IEC90-IEC160 IEC90-IEC132	IEC132-IEC180 IEC112-IEC160	IEC132-IEC180 IEC112-IEC180
<b>Pump Casing std. blasted</b>								
29	1	Casing, IDF		9612139801	9612492401	9612139806	9612492406	9612492411
	1	Casing, SMS		9612139802	9612492402	9612139807	9612492407	9612492412
	1	Casing, DIN/ISO		9612139803	9612492403	9612139808	9612492408	9612492413
	1	Casing, ISO		9612139804	9612492404	9612139809	9612492409	9612492414
	1	Casing, BS		9612139805	9612492405	9612139810	9612492410	9612492415
	1	Casing, DS		9612139826	9612492421	9612139828	9612492422	9612492423
	1	Casing, DIN/DIN		9612139827	9614057802	9612139829	9614057803	9614057804
	1	Casing, Flange DN65/50		9612138001		9612138002		9612138010
	1	Casing, Flange DN80/65					9612138009	
	1	Casing, Flange DN100/80			9612138008			

Pos	Qty	Denomination	Exe Exd/Exde	LKH-40	LKH-45	LKH-50	LKH-60	LKH-70
				IEC160-IEC200 IEC132-IEC180	IEC132-IEC180 IEC112-IEC160	IEC132-IEC200 IEC132-IEC180	IEC132-IEC200 IEC132-IEC200	IEC160-IEC280 IEC160-IEC250
<b>Pump casing std. blasted</b>								
29	1	Casing, IDF		9612139816	9612492416	9612139821	9612355401	9612514701
	1	Casing, SMS		9612139817	9612492417	9612139822	9612355402	9612514702
	1	Casing, DIN/ISO		9612139818	9612492418	9612139823	9612355403	9612514703
	1	Casing, ISO		9612139819	9612492419	9612139824	9612355404	9612514704
	1	Casing, BS		9612139820	9612492420	9612139825	9612355405	9612514705
	1	Casing, DS		9612139830	9612492424	9614057832	9612355406	9612514711
	1	Casing, DIN/DIN		9612139831	9614057805	9612139833	9612355419	9612514732
	1	Casing, DN150/100					9612355407	9612568202
	1	Casing, 152.4/101.6 CL					9612355408	9612568201
	1	Casing, DN150/100 CL DIN/DIN						9612568206
	1	Casing, Flange DN80/65		9612138004				
	1	Casing, Flange DN100/80			9612138011	9612138005		9612138012
	1	Casing, Flange DN100/100					9612138006	
	1	Casing, Flange DN150/100					9612138007	

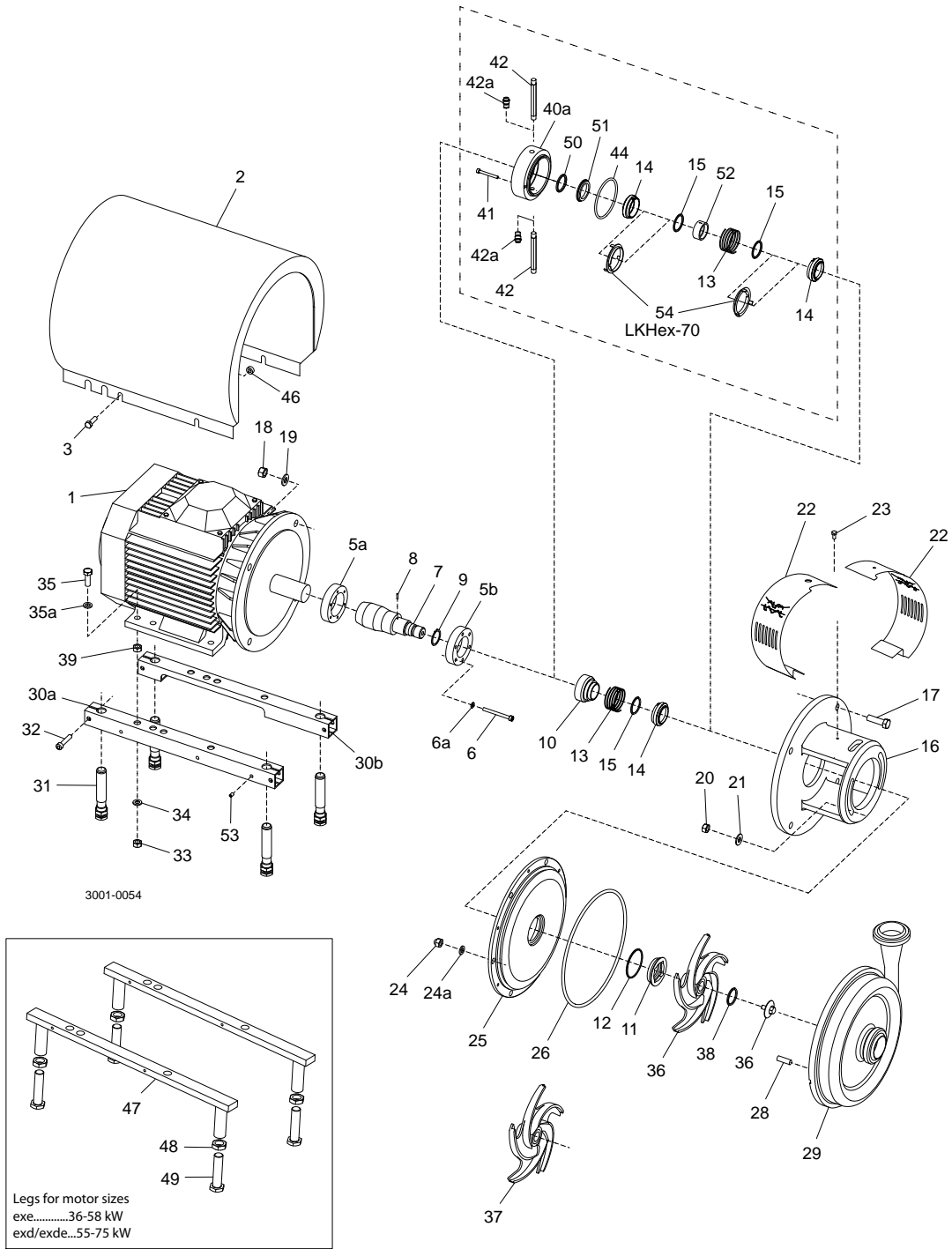
Pos	Qty	Denomination	Exe Exd/Exde	LKH-10	LKH-15	LKH-20	LKH-25	LKH-35
				IEC90-IEC132 IEC90-IEC112	IEC112-IEC132 IEC100-IEC132	IEC90-IEC160 IEC90-IEC132	IEC132-IEC180 IEC112-IEC160	IEC132-IEC180 IEC112-IEC180
<b>Pump casing Mech Ra ≤ 0.8</b>								
29	1	Casing, IDF		9612457201	9612492501	9612457206	9612492506	9612492511
	1	Casing, SMS		9612457202	9612492502	9612457207	9612492507	9612492512
	1	Casing, DIN/ISO		9612457203	9612492503	9612457208	9612492508	9612492513
	1	Casing, ISO		9612457204	9612492504	9612457209	9612492509	9612492514
	1	Casing, BS		9612457205	9612492505	9612457210	9612492510	9612492515
	1	Casing, DS		9612457226	9612492521	9612457228	9612492522	9612492523
	1	Casing, DIN/DIN		9612457227	9614057807	9612457229	9614057808	9614057809

Pos	Qty	Denomination	Exe Exd/Exde	LKH-40	LKH-45	LKH-50	LKH-60	LKH-70
				IEC160-IEC200 IEC132-IEC180	IEC132-IEC180 IEC112-IEC160	IEC132-IEC200 IEC132-IEC180	IEC132-IEC200 IEC132-IEC200	IEC160-IEC280 IEC160-IEC250
<b>Pump casing Mech Ra ≤ 0.8</b>								
29	1	Casing, IDF		9612457216	9612492516	9612457221	9612355409	9612514706
	1	Casing, SMS		9612457217	9612492517	9612457222	9612355410	9612514707
	1	Casing, DIN/ISO		9612457218	9612492518	9612457223	9612355411	9612514708
	1	Casing, ISO		9612457219	9612492519	9612457224	9612355412	9612514709
	1	Casing, BS		9612457220	9612492520	9612457225	9612355413	9612514710
	1	Casing, DS		9612457230	9612492524	9612457232	9612355414	9612514712
	1	Casing, DIN/DIN		9612457231	9614057810	9612457233	9612355420	9612514733
	1	Casing, DN150/100					9612355415	9612568208
	1	Casing, 152.4/101.6 CL					9612355416	9612568207
	1	Casing, DN150/100 CL DIN/DIN						9612568209



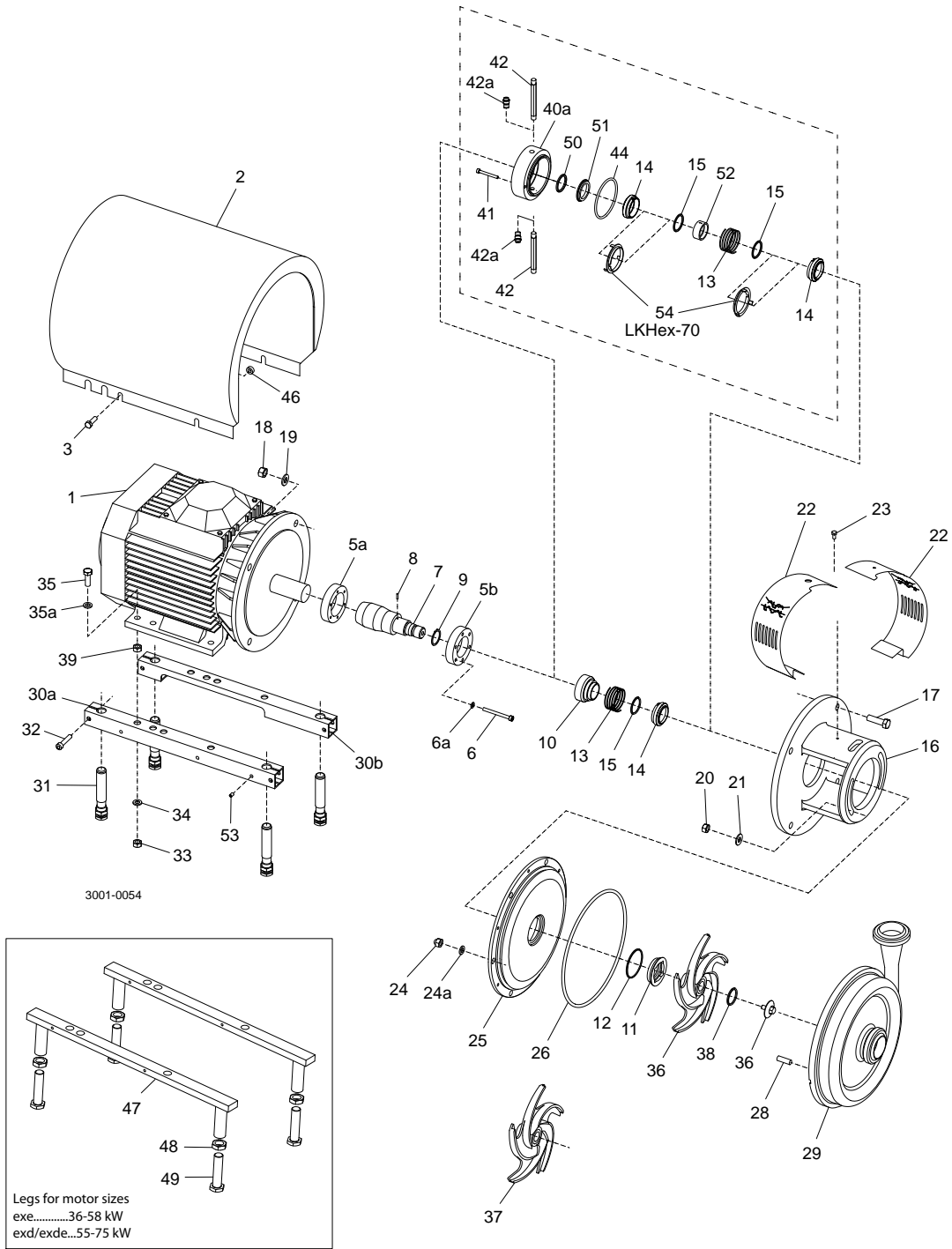
Pos	Qty	Denomination	Exe Exd/Exde	LKH-10	LKH-15	LKH-20	LKH-25	LKH-35
				IEC90-IEC132	IEC112-IEC132	IEC90-IEC160	IEC132-IEC180	IEC132-IEC180
				IEC90-IEC112	IEC100-IEC132	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160
24	6	Cap nut		9611992592	9611992592	9611992592	9611992593	9611992593
24a	6	Washer		9611991888	9611991888	9611991888	9611991887	9611991887
28	6	Bolt		9611992168	9611992168	9611992168	9611992169	9611992169
26	1	O-ring, EPDM		9611992137	9611992137	9611992141	9611992983	9611992983
	1	O-ring, NBR		9611992139	9611992139	9611992143	9611992984	9611992984
	1	O-ring, FPM		9611992138	9611992138	9611992142	9611992985	9611992985
	1	O-ring, FEP		9611992140	9611992140	9611992144	9611992986	9611992986
27	1	Impeller, std. blasted		9612131201	9612431401	9612131401	9612425201	9612434101
	1	Impeller, Mech Ra ≤ 0.8		9612131205	9612431405	9612131405	9612425205	9612434105
37	1	Impeller for impeller screw, std. blasted		9612131202	9612431402	9612131402	9612425202	9612434102
	1	Impeller for impeller, Mech Ra ≤ 0.8		9612131228	9612431413	9612131418	9612425216	9612434116
36	1	Impeller screw, std. blasted		9612139601	9612139601	9612139601	9612139601	9612139601
	1	Impeller screw, Mech Ra ≤ 0.8		9612139603	9612139603	9612139603	9612139603	9612139603
38	1	O-ring, EPDM		9611992145	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR		9611992147	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM		9611992146	9611992146	9611992146	9611992146	9611992146
	1	O-ring, FEP		9611992148	9611992148	9611992148	9611992148	9611992148
25	1	Back plate, std. blasted		9612138404	9612138404	9612138405	9612138423	9612138423
	1	Back plate, Mech Ra ≤ 0.8		9612138420	9612138420	9612138421	9612138424	9612138424
20	2	Nut		9611990353	9611990353	9611990353	9611990353	9611990353
21	2	Washer		9611992559	9611992559	9611992559	9611992559	9611992559

Pos	Qty	Denomination	Exe Exd/Exde	LKH-40	LKH-45	LKH-50	LKH-60	LKH-70
				IEC160-IEC200	IEC132-IEC180	IEC132-IEC200	IEC132-IEC200	IEC160-IEC280
				IEC132-IEC180	IEC112-IEC160	IEC132-IEC180	IEC132-IEC200	IEC160-IEC250
24	6	Cap nut		9611992593	9611992593	9611992593	9611992593	
24a	6	Washer		9611991887	9611991887	9611991887	9611991887	
28	6	Bolt		9611992169	9611992169	9611992169	9611992169	
24	8	Cap nut						9611992593
24a	8	Washer						9611991887
28	8	Bolt						9611992169
26	1	O-ring, EPDM		9611992171	9611992983	9611992171	9611992171	9611993211
	1	O-ring, NBR		9611992173	9611992984	9611992173	9611992173	9611993212
	1	O-ring, FPM		9611992172	9611992985	9611992172	9611992172	9611993213
	1	O-ring, FEP		9611992174	9611992986	9611992174	9611992174	9611993214
27	1	Impeller, std. blasted		9612131801	9612363001	9612132001	9612128301	
	1	Impeller, Mech Ra ≤ 0.8		9612131805	9612363005	9612132005	9612128305	
37	1	Impeller for impeller screw, std. blasted		9612131802	9612363002	9612132002	9612128302	9612499401
	1	Impeller for impeller, Mech Ra ≤ 0.8		9612131816	9612363013	9612132015	9612128315	9612499412
36	1	Impeller screw, std. blasted		9612139601	9612139601	9612139601	9612139601	9612927101
	1	Impeller screw, Mech Ra ≤ 0.8		9612139603	9612139603	9612139603	9612139603	9612927102
38	1	O-ring, EPDM		9611992145	9611992145	9611992145	9611992145	9611993215
	1	O-ring, NBR		9611992147	9611992147	9611992147	9611992147	9611993216
	1	O-ring, FPM		9611992146	9611992146	9611992146	9611992146	9611993217
	1	O-ring, FEP		9611992148	9611992148	9611992148	9611992148	9611993218
25	1	Back plate, std. blasted		9612138406	9612138423	9612138406	9612138406	9612514601
	1	Back plate, Mech Ra ≤ 0.8		9612138422	9612138424	9612138422	9612138422	9612514607
20	2	Nut		9611990353	9611990353	9611990353	9611990353	
21	2	Washer		9611992559	9611992559	9611992559	9611992559	
20	4	Nut						9611990353
21	4	Washer						9611992559



Pos	Qty	Denomination	Frame size	LKHex 10-60	LKHex 10-60	LKHex 10-60	LKHex 10-60
				IEC90	IEC100	IEC112	IEC132
<b>Motor dependent parts for WEG motors, LKHex 10 - 60</b>							
5a	1	Compression ring, with thread		9612133601	9612133602	9612133602	9612133605
5b	1	Compression ring, without thread		9612133701	9612133702	9612133702	9612133705
6	6	Screw		9611993196	9611993196	9611993196	9611993197
6a	6	Washer		9611993199	9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)			9612132502	9612132502	9612132602
		Shaft incl. pin and retaining, (pos.8+9)		9612132402			
8	1	Connex pin		9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring		9611992307			
2	1	Shroud Exeb		8010005446	8010005447	9614191601	9614191701
3	4	Screw		9611993243	9611993243	9611993240	9611993240
46	4	Distance sleeve		31438039001	3143803903		9611992737
2	1	Shroud Exdbeb		8010005446	8010005447	8010005449	8010005450
3	4	Screw		9611993243	9611993243	9611993243	9611993243
46	4	Distance sleeve		3143803901	3143803903	3143803901	3143803903
16	1	Adaptor		9612342301	9612342401	9612342401	9612342501
17	4	Screw for adaptor		9611992161	9611991834	9611991834	9611992162
18	4	Nut for adaptor		9611990353	9611990587	9611990587	9611990587
19	4	Washer for adaptor		9611991887	9611990676	9611990676	9611990676
22	1	Safety guard set		9614077401	9614077402	9614077402	9614077403
23	1	Screw for safety guard		9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right Exeb		9612132201	9612132205	9612132205	9612132206
30b	1	Support bar, left Exeb		9612132301	9612132305	9612132305	9612132306
30a	1	Support bar, right Exdbeb		9612132201	9612132205	9612132205	9612132206
30b	1	Support bar, left Exdbeb		9612132301	9612132305	9612132305	9612132306
31	4	Leg		9612396701	9612396701	9612396701	9612396701
32	4	Screw		9611991126	9611991126	9611991126	9611991126
33	4	Nut		9611990360	9611990353	9611990353	9611990353
34	4	Spring washer		9611991887	9611991887	9611991887	9611991887
35	4	Screw		9611993241	9611991911	9611991911	9611991374
35a	4	Washer			9611990786	9611990786	9611990786
39	4	Spacer for leg			9615309301		

Pos	Qty	Denomination	Frame size	LKHex 10-60	LKHex 10-60	LKHex 10-60
				IEC160	IEC180	IEC200
<b>Motor dependent parts for WEG motors, LKHex 10 - 60</b>						
5a	1	Compression ring, with thread		9612133603	9612133604	9612133607
5b	1	Compression ring, without thread		9612133703	9612133704	9612133707
6	6	Screw		9611993198	9611993198	9611993198
6a	6	Washer		9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)		9612132702	9612132802	9612232902
8	1	Connex pin		9611990622	9611990622	9611990622
2	1	Shroud Exeb		9614191801	9614191901	9615213301
3	4	Screw		9611993243	9611993243	9611993243
46	4	Distance sleeve		3143803903	3143803903	3143803903
2	1	Shroud Exdbeb		8010005451	8010005452	8010005453
3	4	Screw		9611993243	9611993243	9611993243
46	4	Distance sleeve		3143803903	3143803904	3143803903
16	1	Adaptor		9612342601	9612342601	9612342701
17	4	Screw for adaptor		9611992163	9611992164	9611992164
18	4	Nut for adaptor		9611992160	9611992160	9611992160
19	4	Washer for adaptor		9611991886	9611991886	9611991886
22	1	Safety guard set		9614077404	9614077404	9614077404
23	1	Screw for safety guard		9611993239	9611993239	9611993239
30a	1	Support bar, right Exeb		9612132203	9612132204	9612342201
30b	1	Support bar, left Exeb		9612132303	9612132304	9612342201
30a	1	Support bar, right Exdbeb		9612132204	9612132204	8010005880
30b	1	Support bar, left Exdbeb		9612132304	9612132304	8010005880
31	4	Leg		9612396701	9612396701	9612396701
32	4	Screw		9611991126	9611991126	9611991907
33	4	Nut		9611990587	9611990587	9611990587
34	4	Spring washer		9611990676	9611990676	9611990676
35	4	Screw		9611991834	9611991834	9611993680
35a	4	Washer		9611990706	9611990706	9611990703
53	4	Pivot screw				9611991763



Pos	Qty	Denomination	Frame size	LKHex 70 IEC160	LKHex 70 IEC180	LKHex 70 IEC200	LKHex 70 IEC250	LKHex 70 IEC280
<b>Motor dependent parts for WEG motors, LKHex 70</b>								
5a	1	Compression ring, with thread . . .		9612133603	9612133604	9612133607	9612133608	9612133609
5b	1	Compression ring, without thread		9612133703	9612133704	9612133707	9612133708	9612133709
6	6	Screw . . . . .		9611993198	9611993198	9611993198	9611993266	
6a	6	Washer . . . . .		9611993199	9611993199	9611993199	9611993199	
	8	Screw . . . . .						9611993266
	8	Washer . . . . .						9611993199
7	1	Shaft incl. pin, (pos.8) . . . . .		9612512603	9612512303	9612512203	9612501003	9613406501
2	1	Shroud Exeb . . . . .		9614191801	9614191901	9615213301	9614192101	9614192001
3	4	Screw . . . . .		9611993243	9611993243	9611993243	9611993243	9611993243
46	4	Distance sleeve . . . . .		3143803903	3143803903	3143803903	3143803903	3143803903
2	1	Shroud Exdbeb . . . . .		8010005451	8010005452	8010005453	8010005454	
3	4	Screw . . . . .		9611993243	9611993243	9611993243	9611993243	
46	4	Distance sleeve . . . . .		3143803903	3143803904	3143803903	3143803903	
16	1	Adaptor . . . . .		9612511901	9612511901	9612511801	9612500801	9612500801
17	4	Screw for adaptor . . . . .		9611992163	9611992164	9611992164	9611992200	9611992200
18	4	Nut for adaptor . . . . .		9611992160	9611992160	9611992160	9611992160	9611992160
19	4	Washer for adaptor . . . . .		9611991886	9611991886	9611991886	9611991886	9611991886
22	1	Safety guard set . . . . .		9614077407	9614077407	9614077407	9614077408	9614077408
23	1	Screw for safety guard . . . . .		9611993239	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right Exeb . . . . .		9612132203	9612132204	9612342201		
30b	1	Support bar, left Exeb . . . . .		9612132303	9612132304	9612342201		
30a	1	Support bar, right Exdbeb . . . . .		9612132204	9612132204	8010005880		
30b	1	Support bar, left Exdbeb . . . . .		9612132304	9612132304	8010005880		
31	4	Leg . . . . .		9612396701	9612396701	9612396701		
32	4	Screw . . . . .		9611991126	9611991126	9611991907		
33	4	Nut . . . . .		9611990587	9611990587	9611990587	9611990935	9611990935
34	4	Spring washer . . . . .		9611990676	9611990676	9611990676	9611993267	9611993267
35	4	Screw . . . . .		9611991834	9611991834	9611993680	9611993268	9611993268
35a	4	Washer . . . . .		9611990706	9611990706	9611990703	9611993269	9611993269
47	2	Leg bracket . . . . .					9612518401	9612518403
48	4	Nut for leg . . . . .					9611993260	9611993260
49	4	Screw for leg . . . . .					9612518501	9612518501
53	4	Pivot screw . . . . .				9611991763		

**MOTOR**

Pos	Qty	Denomination	1.85 kW IEC90	2.5 kW IEC100	3.3 kW IEC112	4.6 kW IEC132	5.5 kW IEC132
1	1	Motor, WEG Exe 50Hz . . . . .	9614193801	9614193802	9614193803	9614193804	9614193805
	1	Motor, WEG Exe 60Hz . . . . .	9614193845	9614193846	9614193847	9614193848	9614193849

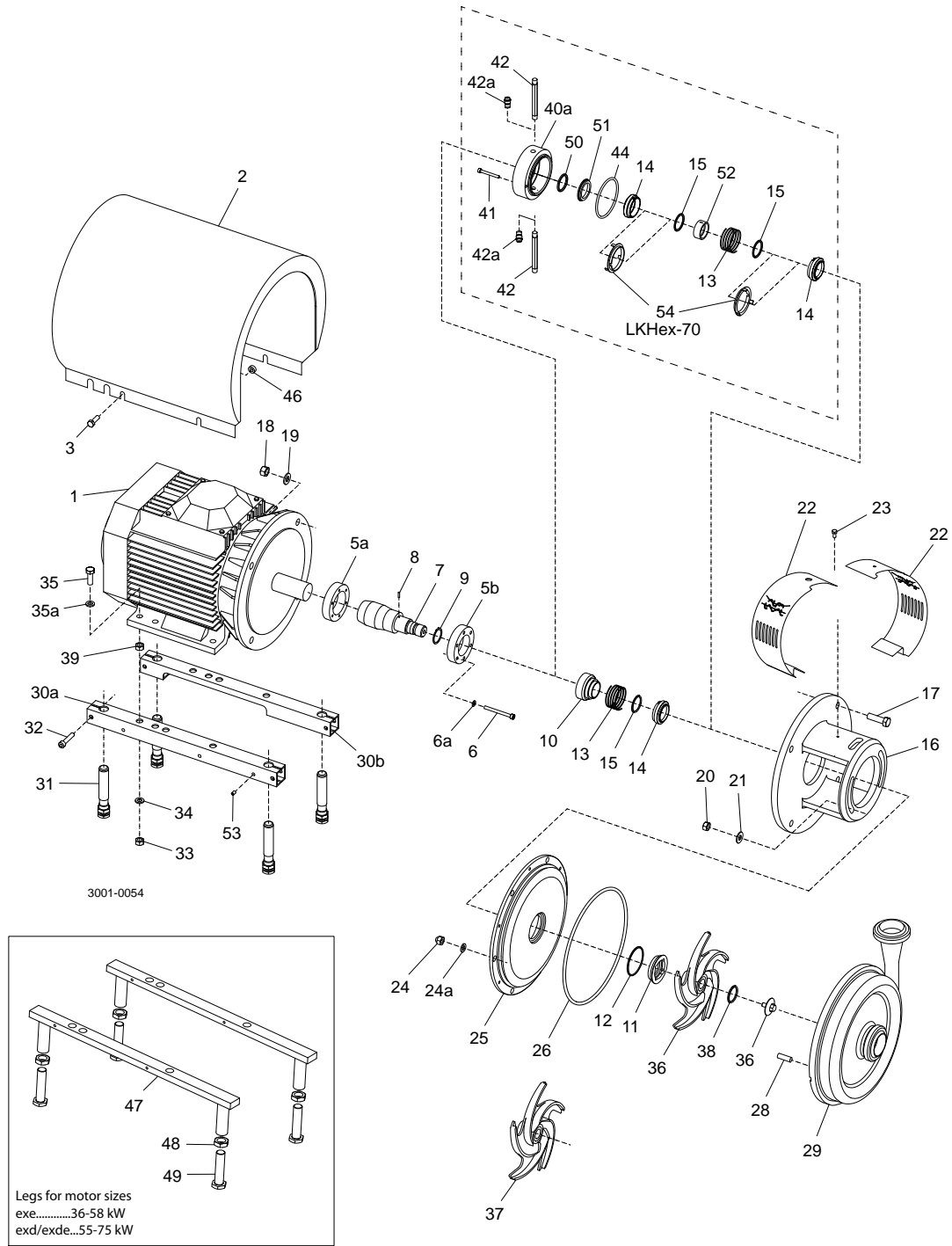
Pos	Qty	Denomination	7.5 kW IEC160	12.5 kW IEC160	15 kW IEC180	20 kW IEC200	24 kW IEC200
1	1	Motor, WEG Exe 50Hz . . . . .	9614193806	9614193807	9614193808	9614193809	9614193810
	1	Motor, WEG Exe 60Hz . . . . .	9614193850	9614193851	9614193852	9614193853	9614193854

Pos	Qty	Denomination	36 kW IEC250	47 kW IEC280	58 kW IEC280
1	1	Motor, WEG Exe 50Hz . . . . .	9614193811	9614193812	9614193813
	1	Motor, WEG Exe 60Hz . . . . .	9614193855	9614193856	9614193857

Pos	Qty	Denomination	1.5 kW IEC90	2.2 kW IEC90	3 kW IEC100	4 kW IEC112	5.5 kW IEC132
1	1	Motor, WEG Ex db eb 50Hz/60Hz . . . . .	8010003839	8010003840	8010003841	8010003842	8010003843

Pos	Qty	Denomination	7.5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor, WEG Ex db eb 50Hz/60Hz . . . . .	8010003844	8010003845	8010003846	8010003847	8010003848

Pos	Qty	Denomination	30 kW IEC200	37 kW IEC200	55 kW IEC250	75 kW IEC250
1	1	Motor, WEG Ex db eb 50Hz/60Hz . . . . .	8010003849	8010003850	8010003851	8010003852



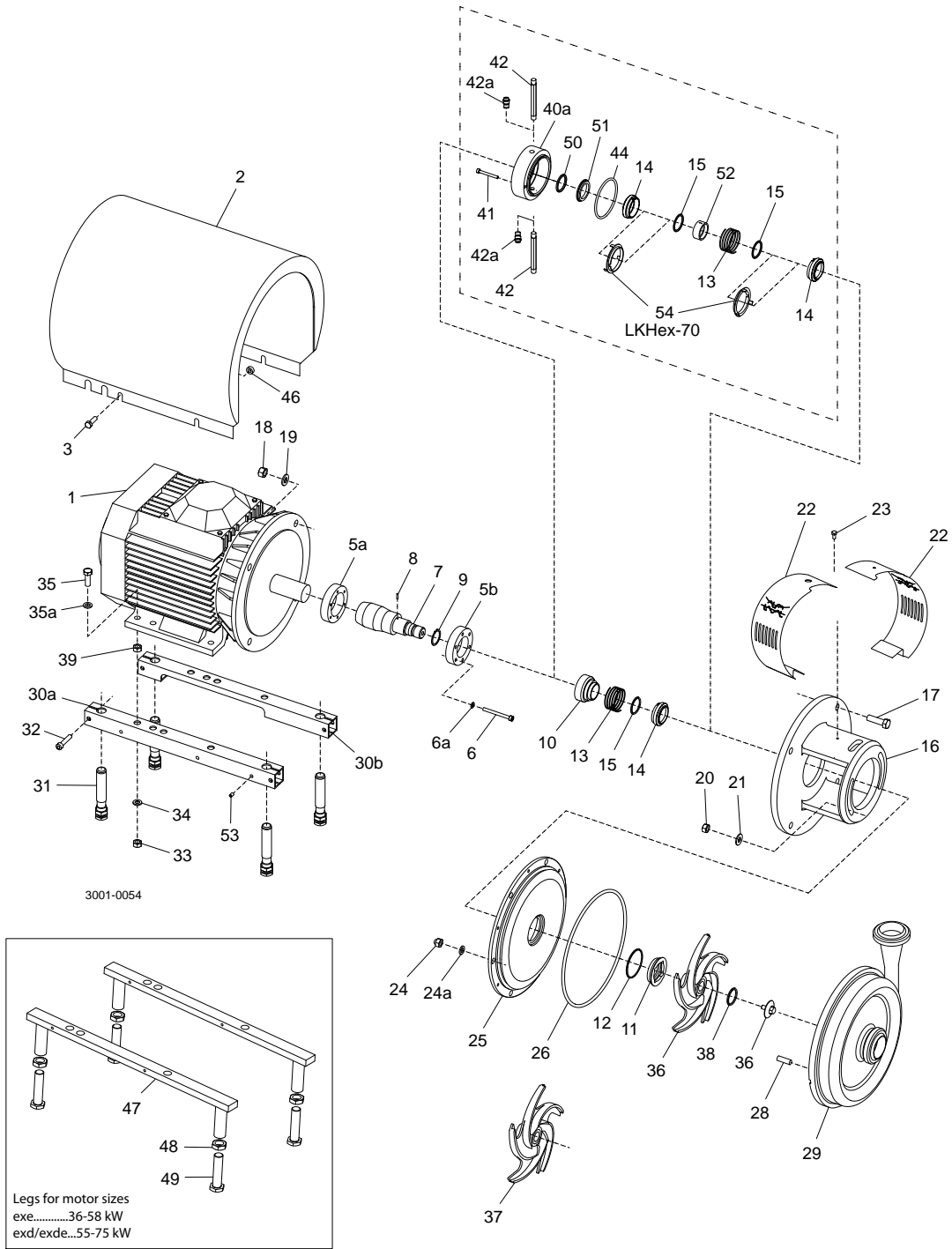


## Motor dependent parts for other motors before october 2012

Pos	Qty	Denomination	Exe	1.5-2.2 kW	3 kW	4 kW
			Exd/Exde	1.5-2.2 kW	3 kW	4 kW
5a	1	Compression ring, with thread		9612133601	9612133602	9612133602
5b	1	Compression ring, without thread		9612133701	9612133702	9612133702
6	6	Screw		9611993196	9611993196	9611993196
6a	6	Washer		9611993199	9611993199	9611993199
3	4	Screw		9611993240	9611993240	9611993240
7	1	Shaft incl. pin , (pos.8)			9612132502	9612132502
	1	Shaft incl. pin and retaining, (pos.8+9)		9612132402		
8	1	Connex pin		9611990622	9611990622	9611990622
9	1	Retaining ring		9611992307		
16	1	Adaptor		9612342301	9612342401	9612342401
17	4	Screw for adaptor		9611992161	9611991834	9611991834
18	4	Nut for adaptor		9611990353	9611990587	9611990587
19	4	Washer for adaptor		9611991887	9611990676	9611990676
22	1	Safety guard set		9614077401	9614077402	9614077402
	1	Screw for safety guard		9611993239	9611993239	9611993239
30a	1	Support bar, right		9612132201	9612132205	9612342205
30b	1	Support bar, left		9612132301	9612132305	9612342305
31	4	Leg		9612396701	9612396701	9612396701
32	4	Screw		9611991126	9611991126	9611991126
33	4	Nut		9611990360	9611990353	9611990353
34	4	Spring washer		9611991888	9611991887	9611991887
35	4	Screw		9611993241	9611991911	9611991911
35a	4	Washer			9611990786	9611990786
39	4	Nut			9611990587	
46	4	Distance sleeve				

## Motor dependent parts for other motors before october 2012

Pos	Qty	Denomination	Exe	5-6 kW	11-17 kW	22 kW
			Exd/Exde	5.5-7.5 kW	11-18.5 kW	22 kW
5a	1	Compression ring, with thread		9612133605	9612133603	9612133604
5b	1	Compression ring, without thread		9612133705	9612133703	9612133704
6	6	Screw		9611993197	9611993198	9611993198
6a	6	Washer		9611993199	9611993199	9611993199
3	4	Screw		9611993240	9611993241	9611993243
7	1	Shaft incl. pin, (pos.8)		9612132602	9612132702	9612132802
8	1	Connex pin		9611990622	9611990622	9611990622
16	1	Adaptor		9612342501	9612342601	9612342601
17	4	Screw for adaptor		9611992162	9611992163	9611992164
18	4	Nut for adaptor		9611990587	9611992160	9611992160
19	4	Washer for adaptor		9611990676	9611991886	9611991886
22	1	Safety guard set		9614077403	9614077404	9614077404
	1	Screw for safety guard		9611993239	9611993239	9611993239
30a	1	Support bar, right		9612342206	9612132203	9612132204
30b	1	Support bar, left		9612342306	9612342303	9612342304
31	4	Leg		9612396701	9612396701	9612396701
32	4	Screw		9611991126	9611991126	9611991126
33	4	Nut		9611990353	9611990587	9611990587
34	4	Spring washer		9611991887	9611990676	9611990676
35	4	Screw		9611991374	9611991834	9611991834
35a	4	Washer		9611990786	9611990706	9611990706
39	4	Nut				
46	4	Distance sleeve		9611992737	3143803902	3143803901



Motor dependent parts for other motors before october 2012

Pos	Qty	Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW
	1	Leroy Motor, Exd incl. shroud . . . . .	9614287001	9614287002	9614287003	9614287004	9614287005
	1	Leroy Motor, Exde incl. shroud . . . . .	9614287011	9614287012	9614287013	9614287014	9614287015

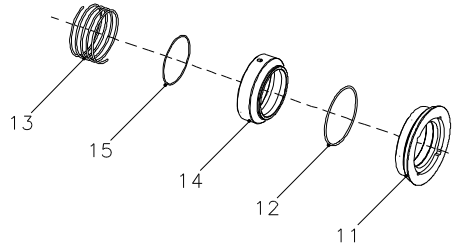
Pos	Qty	Denomination	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
	1	Leroy Motor, Exd incl. shroud . . . . .	9614287006	9614287007	9614287008	9614287009	9614287010
	1	Leroy Motor, Exde incl. shroud . . . . .	9614287016	9614287017	9614287018	9614287019	9614287020

Pos	Qty	Denomination	1.5 kW	2.1 kW	3 kW	4 kW	5 kW
	1	ABB Motor, Exe <sup>1)</sup> . . . . .					
	1	Shroud . . . . .	9612138902	9612138902	9612138903	9612138904	9612138908

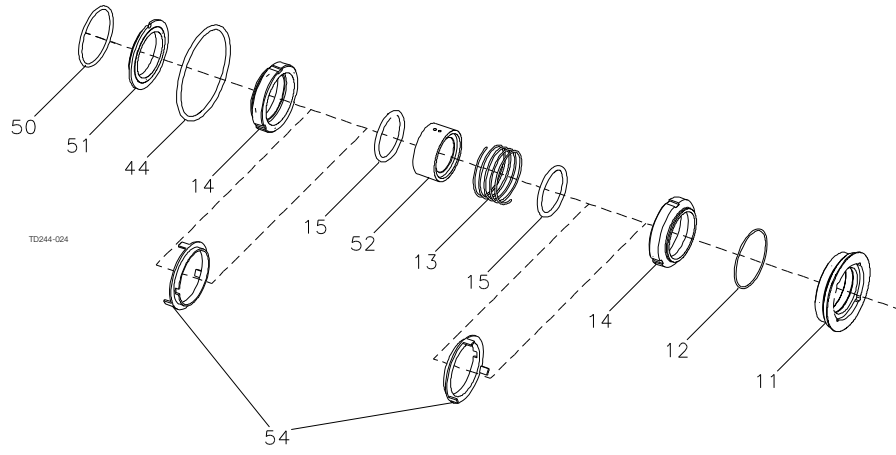
Pos	Qty	Denomination	6 kW	11 kW	14 kW	17 kW	22 kW
	1	ABB Motor, Exe <sup>1)</sup> . . . . .					
	1	Shroud . . . . .	9612138908	9612138905	9612138905	9612138905	9612138906

<sup>1)</sup> For ABB Exe motor inquiries, please contact Technical Support

Single shaft seal



Double mechanical shaft seal



Pos	Qty	Denomination	LKH 25/35/40		
			LKH 10/15/20	/45/50/60	LKH 70
<b>Accessories</b>					
1	1	Tool complete	9612903601	9612903601	9612903701
<b>Parts for double mechanical shaft seal</b>					
40a	1	Seal housing	9612133902	9612133902	9612591401
41	2	Screw for seal housing	9611990203	9611990203	9611993766
42	2	Tube	9612358901	9612358907	9612358903
<b>Drive ring</b>					
10	1	Drive ring, single shaft seal steel	9614206001	9614206001	9612514901

Pos	Qty	Denomination	LKH 10-60	LKH 10-60	LKH 10-60	LKH 10-60
			EPDM	NBR	FPM	FEP

**Single shaft seal (standard)**

Complete shaft seal

□♦		C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				

**Alternatives for single shaft seal**

Complete shaft seal

✧♦		SiC/SiC	9612129605	9612129606	9612129607	9612129608
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				

**Double mechanical shaft seal (standard)**

Complete seal

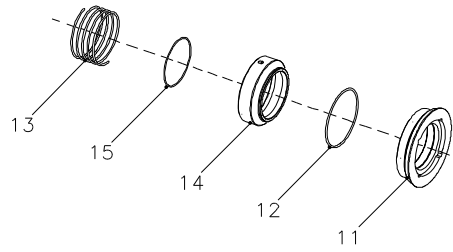
△▲		C/SiC	9612129613	9612129614	9612129615	9612129616
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				

**Alternatives for double mechanical shaft seal**

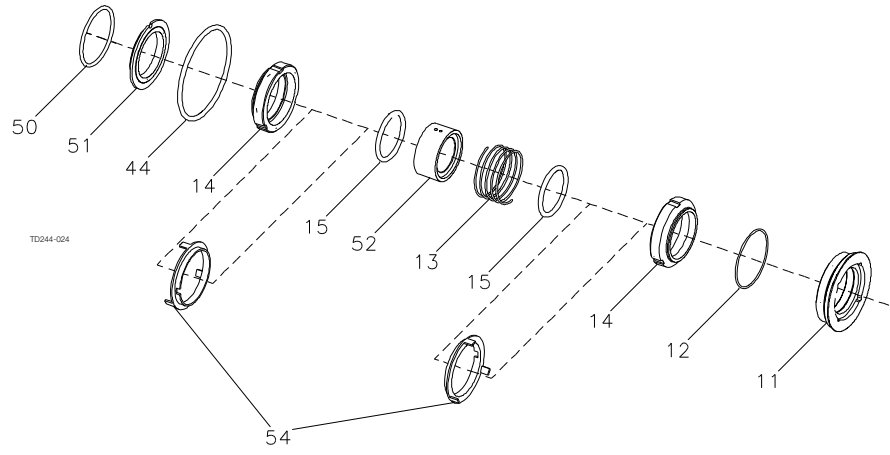
Complete shaft seal

※●		SiC/SiC	9612129617	9612129618	9612129619	9612129620
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				

Single shaft seal

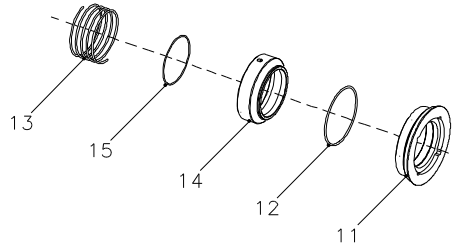


Double mechanical shaft seal

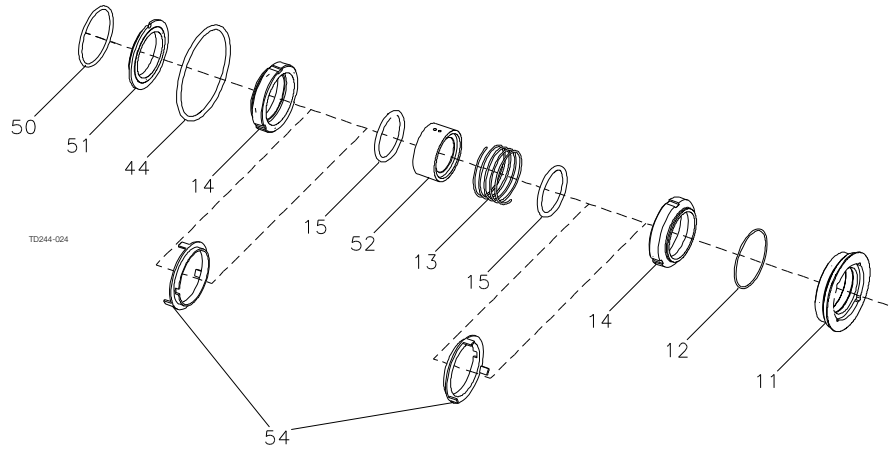


Pos	Qty	Denomination	LKH 70 EPDM	LKH 70 NBR	LKH 70 FPM	LKH 70 FEP
<b>Complete shaft seal</b>						
		□◆ C/SiC .....	9612515101	9612515102	9612515103	9612515104
11	1	Stationary seal ring, SiC .....				
12	1	O-ring .....				
13	1	Spring .....				
14	1	Rotating seal ring, carbon .....				
15	1	O-ring .....				
<b>Alternatives for single shaft seal</b>						
<b>Complete shaft seal</b>						
		◆◆ SiC/SiC .....	9612515105	9612515106	9612515107	9612515108
11	1	Stationary seal ring, SiC .....				
12	1	O-ring .....				
13	1	Spring .....				
14	1	Rotating seal ring, SiC .....				
15	1	O-ring .....				
<b>Double mechanical shaft seal (standard)</b>						
<b>Complete seal</b>						
		▲▲ C/SiC .....	9612515117	9612515118	9612515119	9612515120
11	1	Stationary seal ring, SiC .....				
12	1	O-ring .....				
13	1	Spring .....				
14	2	Rotating seal ring, carbon .....				
15	2	O-ring .....				
44	1	O-ring for seal housing, EPDM .....				
50	1	O-ring, EPDM .....				
51	1	Sec. stationary seal ring .....				
52	1	Drive ring .....				
54	2	Cup .....				
<b>Alternatives for double mechanical shaft seal</b>						
<b>Complete shaft seal</b>						
		◆● SiC/SiC .....	9612515121	9612515122	9612515123	9612515124
11	1	Stationary seal ring, SiC .....				
12	1	O-ring .....				
13	1	Spring .....				
14	2	Rotating seal ring, SiC .....				
15	2	O-ring .....				
44	1	O-ring for seal housing, EPDM .....				
50	1	O-ring, EPDM .....				
51	1	Sec. stationary seal ring .....				
52	1	Drive ring .....				
54	2	Cup .....				

Single shaft seal



Double mechanical shaft seal



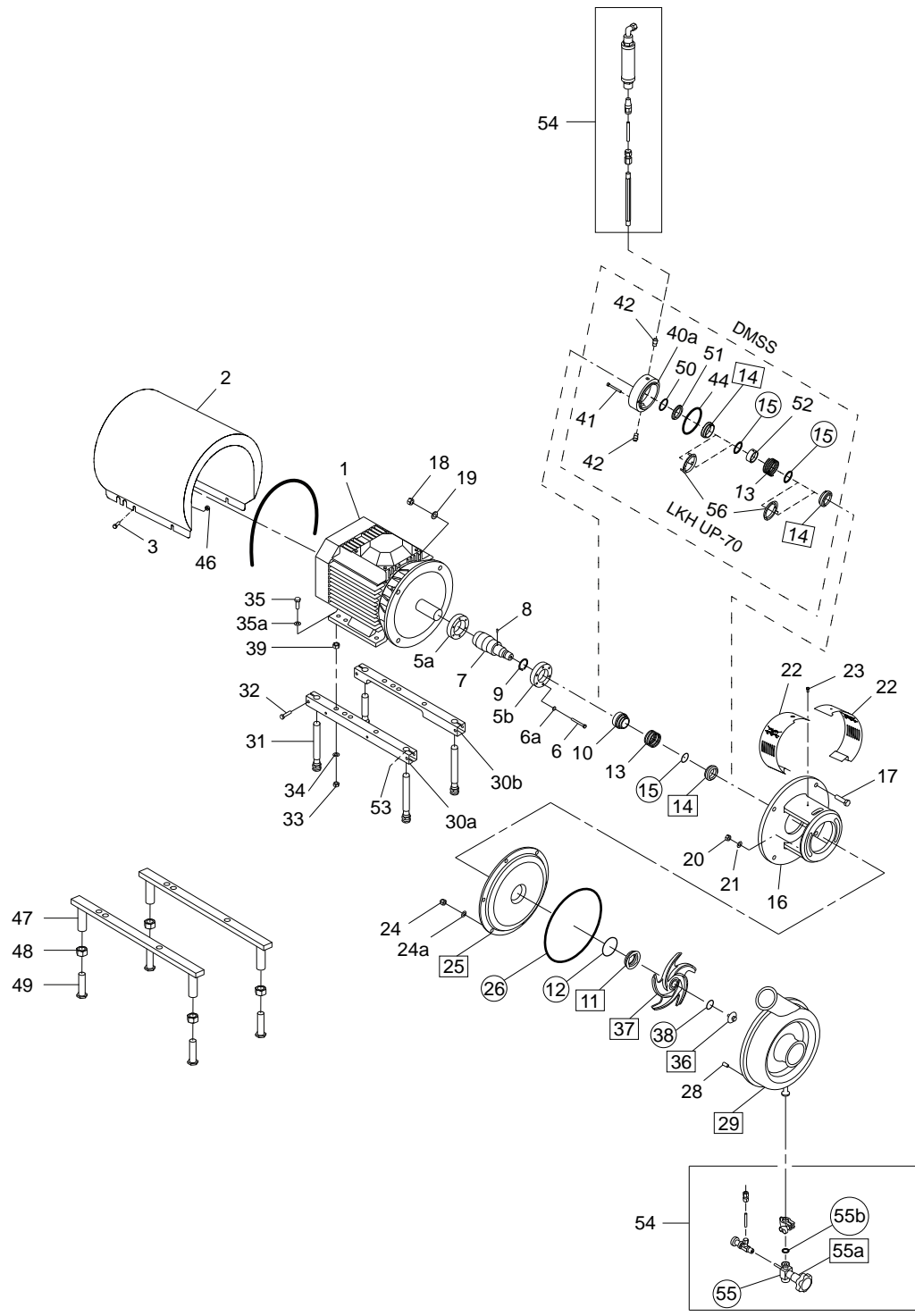


		EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal C/SiC</b>					
□	Service kit, C/SiC (LKH-10/15)	9611922072	9611922073	9611922074	9611922075
□	Service kit, C/SiC (LKH-20)	9611922080	9611922081	9611922082	9611922083
□	Service kit, C/SiC (LKH-25/35/45)	9611922178	9611922179	9611922180	9611922181
□	Service kit, C/SiC (LKH-40/50/60)	9611922088	9611922089	9611922090	9611922091
<b>Service kit for single shaft seal SiC/SiC</b>					
✧	Service kit, SiC/SiC (LKH-10/15)	9611922546	9611922547	9611922548	9611922549
✧	Service kit, SiC/SiC (LKH-20)	9611922570	9611922571	9611922572	9611922573
✧	Service kit, SiC/SiC (LKH-25/35/45)	9611922594	9611922595	9611922596	9611922597
✧	Service kit, SiC/SiC (LKH-40/50/60)	9611922619	9611922620	9611922621	9611922622
<b>Service kit for single shaft seal and impeller screw C/SiC</b>					
◆	Service kit, C/SiC (LKH-10/15)	9611922114	9611922115	9611922116	9611922117
◆	Service kit, C/SiC (LKH-20)	9611922122	9611922123	9611922124	9611922125
◆	Service kit, C/SiC (LKH-25/35/45)	9611922182	9611922183	9611922184	9611922185
◆	Service kit, C/SiC (LKH-40/50/60)	9611922130	9611922131	9611922132	9611922133
◆	Service kit, C/SiC (LKH-70)	9611922238	9611922239	9611922240	9611922241
<b>Service kit for single shaft seal and impeller screw SiC/SiC</b>					
◇	Service kit, SiC/SiC (LKH-10/15)	9611922550	9611922551	9611922552	9611922553
◇	Service kit, SiC/SiC (LKH-20)	9611922574	9611922575	9611922576	9611922577
◇	Service kit, SiC/SiC (LKH-25/35/45)	9611922598	9611922599	9611922600	9611922601
◇	Service kit, SiC/SiC (LKH-40/50/60)	9611922623	9611922624	9611922625	9611922626
◇	Service kit, SiC/SiC (LKH-70)	9611922643	9611922644	9611922645	9611922646
<b>Service kit for double mechanical shaft seal C/SiC</b>					
△	Service kit, C/SiC (LKH-10/15)	9611922206	9611922207	9611922208	9611922209
△	Service kit, C/SiC (LKH-20)	9611922214	9611922215	9611922216	9611922217
△	Service kit, C/SiC (LKH-25/35/45)	9611922222	9611922223	9611922224	9611922225
△	Service kit, C/SiC (LKH-40/50/60)	9611922230	9611922231	9611922232	9611922233
<b>Service kit for double mechanical shaft seal SiC/SiC</b>					
⊗	Service kit, SiC/SiC (LKH-10/15)	9611922562	9611922563	9611922564	9611922565
⊗	Service kit, SiC/SiC (LKH-20)	9611922586	9611922587	9611922588	9611922589
⊗	Service kit, SiC/SiC (LKH-25/35/45)	9611922610	9611922611	9611922612	9611922613
⊗	Service kit, SiC/SiC (LKH-40/50/60)	9611922635	9611922636	9611922637	9611922638
<b>Service kit for double mechanical shaft seal and impeller screw C/SiC</b>					
▲	Service kit, C/SiC (LKH-10/15)	9611922210	9611922211	9611922212	9611922213
▲	Service kit, C/SiC (LKH-20)	9611922218	9611922219	9611922220	9611922221
▲	Service kit, C/SiC (LKH-25/35/45)	9611922226	9611922227	9611922228	9611922229
▲	Service kit, C/SiC (LKH-40/50/60)	9611922234	9611922235	9611922236	9611922237
▲	Service kit, C/SiC (LKH-70)	9611922416	9611922417	9611922418	9611922419
<b>Service kit for double mechanical shaft seal and impeller screw SiC/SiC</b>					
●	Service kit, SiC/SiC (LKH-10/15)	9611922566	9611922567	9611922568	9611922569
●	Service kit, SiC/SiC (LKH-20)	9611922590	9611922591	9611922592	9611922593
●	Service kit, SiC/SiC (LKH-25/35/45)	9611922614	9611922615	9611922616	9611922617
●	Service kit, SiC/SiC (LKH-40/50/60)	9611922639	9611922640	9611922641	9611922642
●	Service kit, SiC/SiC (LKH-70)	9611922651	9611922652	9611922653	9611922654

Parts marked with □◆▲◇✧⊗● are included in the service kits.

Recommended spare parts: Service kits.

Conversion kit - single to double mechanical shaft seal: Please order double mechanical service kit + pos. 40a + 41 + 42

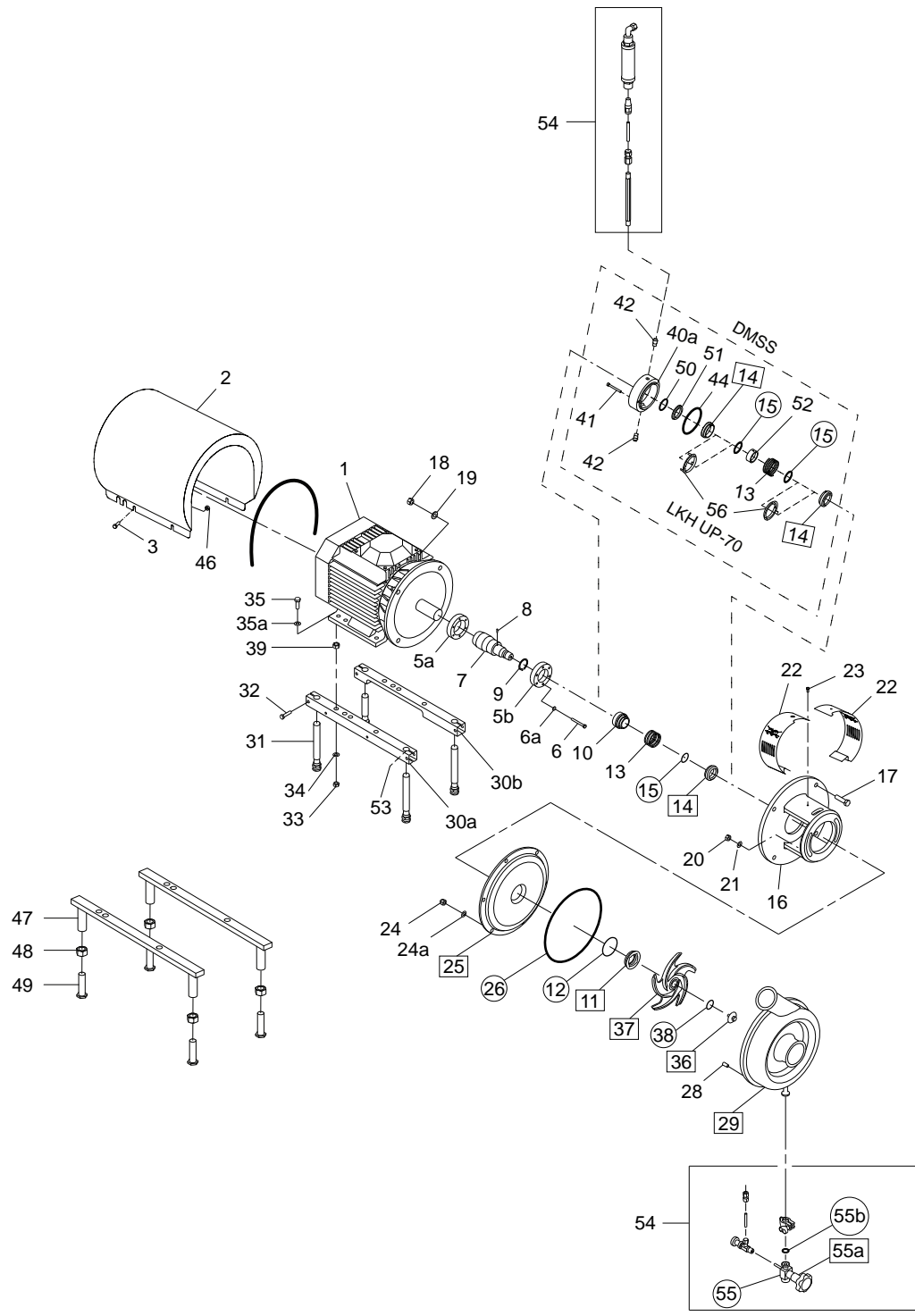


3007-0088

- Product wetted steel parts
- Product wetted elastomer parts

Pos	Qty	Denomination	Exe Exd/Exde	LKHex UP-10	LKHex UP-20	LKHex UP-25	LKHex UP-35
				IEC90-IEC132 IEC90-IEC112	IEC90-IEC160 IEC90-IEC132	IEC132-IEC180 IEC112-IEC160	IEC132-IEC180 IEC112-IEC160
<b>Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain</b>							
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE .....		9612630532	9612630534	9612630536	9612630538
<b>Casing Mech Ra ≤ 0.5 45deg outlet, 1/2" drain</b>							
	1	Connections and drain, ferrule Tri-clamp for ASME BPE .....		9612630501	9612630504	9612630507	9612630510
<b>Casing EP Ra ≤ 0.4 45deg outlet, 1/2" drain</b>							
	1	Connections and drain, ferrule Tri-clamp for ASME BPE .....		9612630516	9612630519	9612630522	9612630525
Note: For article numbers on casing specifications not listed above. Please contact your local Alfa Laval partner.							
Note: Heat certificates can be downloaded from <a href="http://www.alfalaval.com/certificates">www.alfalaval.com/certificates</a>							

Pos	Qty	Denomination	Exe Exd/Exde	LKHex UP-40	LKHex UP-45	LKHex UP-60	LKHex UP-70
				IEC160-IEC200 IEC132-IEC180	IEC132-IEC180 IEC112-IEC160	IEC132-IEC200 IEC132-IEC200	IEC160-IEC280 IEC160-IEC250
<b>Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain</b>							
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE .....		9612630540	9615375301	9615375302	9615375303
<b>Casing Mech Ra ≤ 0.5 45deg outlet, 1/2" drain</b>							
	1	Connections and drain, ferrule Tri-clamp for ASME BPE .....		9612630513	9615375304	9615375305	9615375306
<b>Casing EP Ra ≤ 0.4 45deg outlet, 1/2" drain</b>							
	1	Connections and drain, ferrule Tri-clamp for ASME BPE .....		9612630528	9615375307	9615375308	9615375309
Note: For article numbers on casing specifications not listed above. Please contact your local Alfa Laval partner.							
Note: Heat certificates can be downloaded from <a href="http://www.alfalaval.com/certificates">www.alfalaval.com/certificates</a>							

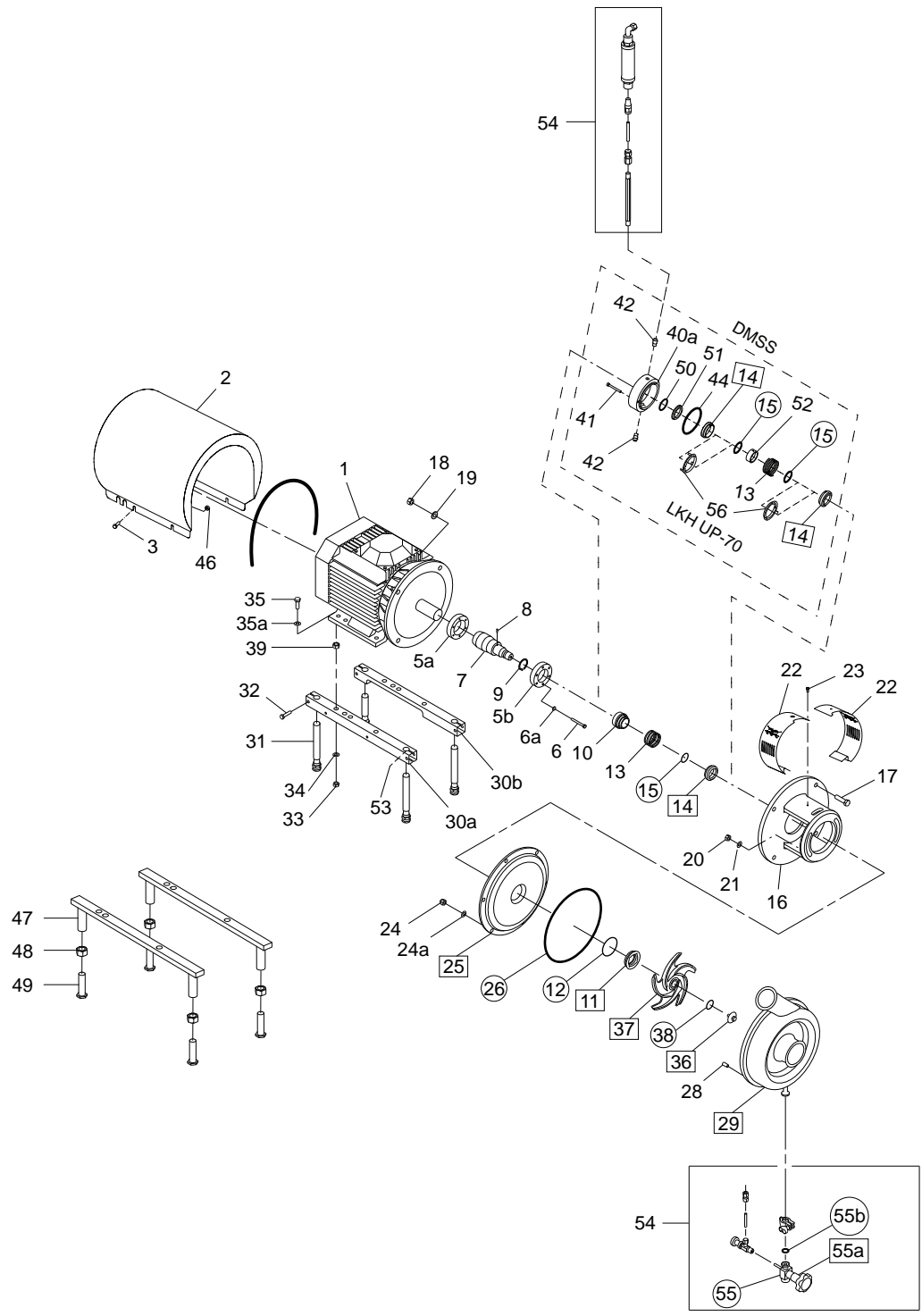


3007-0088

- Product wetted steel parts
- Product wetted elastomer parts

Pos	Qty Denomination	Exe Exd/Exde	LKHex UP-10	LKHex UP-20	LKHex UP-25	LKHex UP-35
			IEC90-IEC132	IEC90-IEC160	IEC132-IEC180	IEC132-IEC180
			IEC90-IEC112	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160
24	6 Cap nut		9611992592	9611992592	9611992593	9611992593
24a	6 Washer		9611991888	9611991888	9611991887	9611991887
28	6 Bolt		9611992168	9611992168	9611992169	9611992169
37	1 Impeller, Mech Ra≤ 0.8		9612131229	9612131419	9612425217	9612434117
	1 Impeller, Mech Ra≤ 0.5		9612131206	9612131406	9612425206	9612434106
	1 Impeller, EP Ra≤ 0.4		9612131225	9612131415	9612425213	9612434113
36	1 Impeller screw, Mech Ra≤ 0.8		9612139611	9612139611	9612139611	9612139611
	1 Impeller screw, Mech Ra≤ 0.5		9612139609	9612139609	9612139609	9612139609
	1 Impeller screw, EP Ra≤ 0.4		9612139610	9612139610	9612139610	9612139610
37	1 Impeller, Mech Ra≤ 0.8 Delta Ferrite<1%		9612131232	9612131422	9612425220	9612434120
	1 Impeller, Mech Ra≤ 0.5 Delta Ferrite<1%		9612131226	9612131416	9612425214	9612434114
	1 Impeller, EP Ra≤ 0.4 Delta Ferrite<1%		9612131227	9612131417	9612425215	9612434115
25	1 Backplate compl, Mech Ra≤ 0.8		9612633211	9612633212	9612633213	9612633213
	1 Backplate compl, Mech Ra≤ 0.5		9612633201	9612633202	9612633204	9612633204
	1 Backplate compl, EP Ra≤ 0.4		9612633206	9612633207	9612633208	9612633208
20	2 Nut		9611990353	9611990353	9611990353	9611990353
21	2 Washer		9611992559	9611992559	9611992559	9611992559
26	◆◆ 1 Pumcasing O-ring, EPDM					
	◆◆ 1 Pumcasing O-ring, FPM					
	◆◆ 1 Pumcasing O-ring, FEP					
38	◆◆ 1 O-ring impeller screw, EPDM					
	◆◆ 1 O-ring impeller screw, FPM					
	◆◆ 1 O-ring impeller screw, FEP					

Pos	Qty Denomination	Exe Exd/Exde	LKHex UP-40	LKHex UP-45	LKHex UP-60	LKHex UP-70
			IEC160-IEC200	IEC132-IEC180	IEC132-IEC200	IEC160-IEC280
			IEC132-IEC180	IEC112-IEC160	IEC132-IEC200	IEC160-IEC250
24	6 Cap nut		9611992593	9611992593	9611992593	
24a	6 Washer		9611991887	9611991887	9611991887	
28	6 Bolt		9611992169	9611992169	9611992169	
24	8 Cap nut					9611992593
24a	8 Washer					9611991887
28	8 Bolt					9611992169
37	1 Impeller, Mech Ra≤ 0.8		9612131817	9612363015	9612128316	9612499413
	1 Impeller, Mech Ra≤ 0.5		9612131806	9612363006	9612128306	9612499419
	1 Impeller, EP Ra≤ 0.4		9612131813	9612363014	9612128314	9612499414
36	1 Impeller screw, Mech Ra≤ 0.8		9612139611	9612139611	9612139611	9612927113
	1 Impeller screw, Mech Ra≤ 0.5		9612139609	9612139609	9612139609	9612927111
	1 Impeller screw, EP Ra≤ 0.4		9612139610	9612139610	9612139610	9612927112
37	1 Impeller, Mech Ra≤ 0.8 Delta Ferrite<1%		9612131820	9612363018	9612128319	9612499417
	1 Impeller, Mech Ra≤ 0.5 Delta Ferrite<1%		9612131814	9612363017	9612128318	9612499416
	1 Impeller, EP Ra≤ 0.4 Delta Ferrite<1%		9612131815	9612363019	9612128320	9612499418
25	1 Backplate compl, Mech Ra≤ 0.8		9612633214	9612633213	9612633214	9615284402
	1 Backplate compl, Mech Ra≤ 0.5		9612633205	9612633204	9612633205	9615284403
	1 Backplate compl, EP Ra≤ 0.4		9612633210	9612633208	9612633210	9615284404
20	2 Nut		9611990353	9611990353	9611990353	
21	2 Washer		9611992559	9611992559	9611992559	
20	4 Nut					9611990353
21	4 Washer					9611992559
26	◆◆ 1 Pumcasing O-ring, EPDM					
	◆◆ 1 Pumcasing O-ring, FPM					
	◆◆ 1 Pumcasing O-ring, FEP					
38	◆◆ 1 O-ring impeller screw, EPDM					
	◆◆ 1 O-ring impeller screw, FPM					
	◆◆ 1 O-ring impeller screw, FEP					

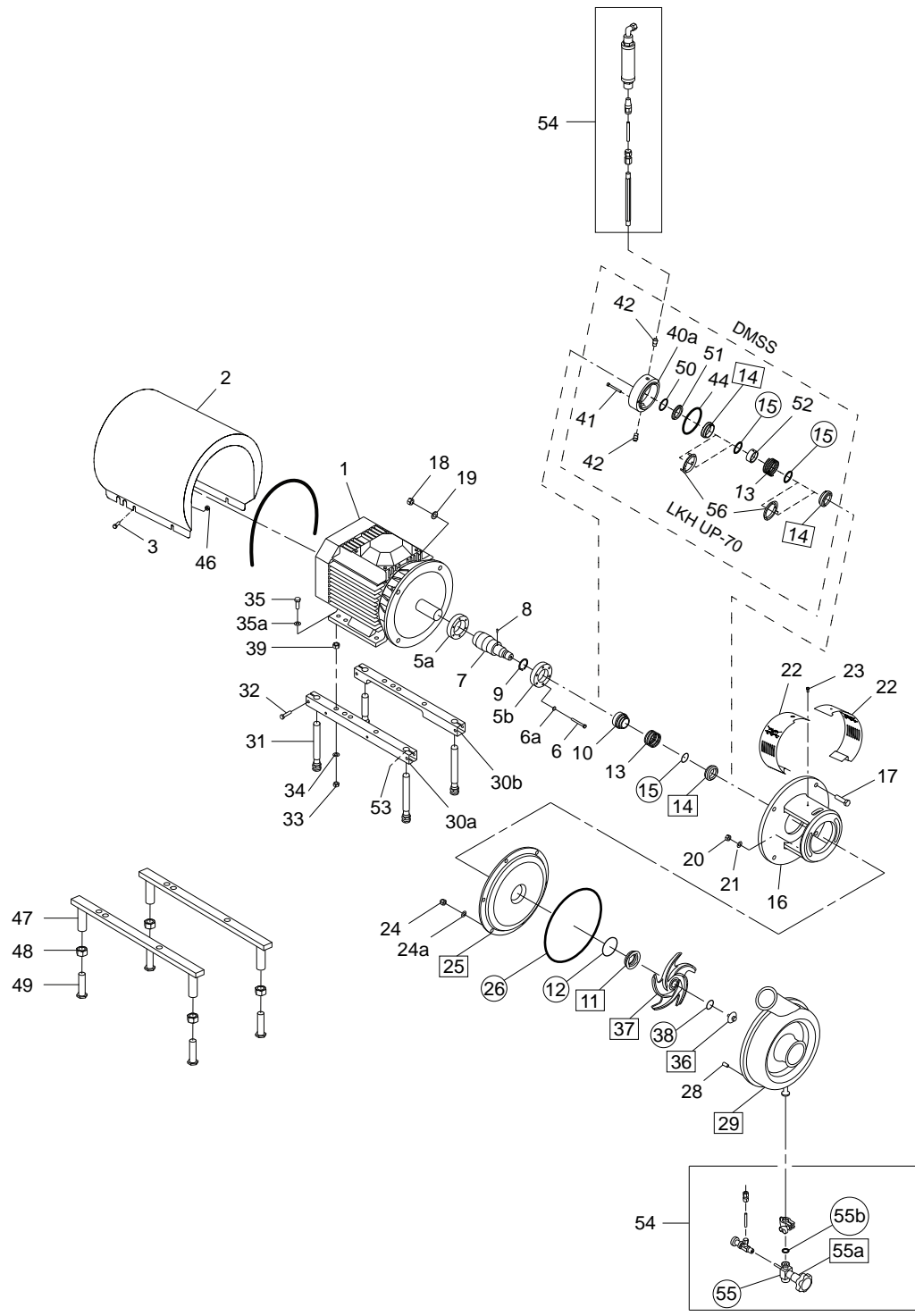


3007-0088

- Product wetted steel parts
- Product wetted elastomer parts

Pos	Qty	Denomination	Frame size	LKHex UP	LKHex UP	LKHex UP	LKHex UP
				10-60 IEC90	10-60 IEC100	10-60 IEC112	10-60 IEC132
<b>Motor dependent parts for WEG motors, LKHex UP 10 - 60</b>							
5a	1	Compression ring, with thread		9612133601	9612133602	9612133602	9612133605
5b	1	Compression ring, without thread		9612133701	9612133702	9612133702	9612133705
6	6	Screw		9611993196	9611993196	9611993196	9611993197
6a	6	Washer		9611993199	9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)			9612132502	9612132502	9612132602
	1	Shaft incl. pin, and retaining ring (pos.8+9)		9612132402			
8	1	Connex pin		9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring		9611992307			
2	1	Shroud, Exeb		8010005446	8010005447	9614191601	9614191701
3	4	Screw		9611993243	9611993243	9611993240	9611993240
46	4	Distance sleeve		31438039001	3143803903		9611992737
2	1	Shroud Exdbeb		8010005446	8010005447	8010005449	8010005450
3	4	Screw		9611993243	9611993243	9611993243	9611993243
46	4	Distance sleeve		3143803901	3143803903	3143803901	3143803903
16	1	Apaptor		9612342301	9612342401	9612342401	9612342501
17	4	Screw for adaptor		9611992161	9611991834	9611991834	9611992162
18	4	Nut for adaptor		9611990353	9611990587	9611990587	9611990587
19	4	Washer for adaptor		9611991887	9611990676	9611990676	9611990676
22	1	Safety guard set		9614077401	9614077402	9614077402	9614077403
23	1	Screw for safety guard		9611993239	9611993239	9611993239	9611993239
<b>Legs</b>							
30a	1	Support bar, right Exeb		9612132201	9612132205	9612132205	9612132206
30b	1	Support bar, left Exeb		9612132301	9612132305	9612132305	9612132306
30a	1	Support bar, right Exdbeb		9612132201	9612132205	9612132205	9612132206
30b	1	Support bar, left Exdbeb		9612132301	9612132305	9612132305	9612132306
31	4	Legs		9612396701	9612396701	9612396701	9612396701
32	4	Screw		9611991126	9611991126	9611991126	9611991126
33	4	Nut		9611990360	9611990353	9611990353	9611990353
34	4	Spring washer		9611991888	9611991887	9611991887	9611991887
35	4	Screw		9611993241	9611991374	9611991911	9611991911
35a	4	Washer			9611990786	9611990786	9611990786
39	4	Spacer for Leg			9615309301		

Pos	Qty	Denomination	Frame size	LKHex UP	LKHex UP	LKHex UP
				10-60 IEC160	10-60 IEC180	10-60 IEC200
<b>Motor dependent parts for WEG motors, LKHex UP 10 - 60</b>						
5a	1	Compression ring, with thread		9612133603	9612133604	9612133607
5b	1	Compression ring, without thread		9612133703	9612133704	9612133707
6	6	Screw		9611993198	9611993198	9611993198
6a	6	Washer		9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)		9612132702	9612132802	9612232902
8	1	Connex pin		9611990622	9611990622	9611990622
2	1	Shroud, Exeb		9614191801	9614191901	9615213301
3	4	Screw		9611993243	9611993243	9611993243
46	4	Distance sleeve		3143803903	3143803903	3143803903
2	1	Shroud Exdbeb		8010005451	8010005452	8010005453
3	4	Screw		9611993243	9611993243	9611993243
46	4	Distance sleeve		3143803903	3143803904	3143803903
16	1	Apaptor		9612342601	9612342601	9612342701
17	4	Screw for adaptor		9611992163	9611992164	9611992164
18	4	Nut, for adaptor		9611992160	9611992160	9611992160
19	4	Washer, for adaptor		9611991886	9611991886	9611991886
22	1	Safety guard set		9614077404	9614077404	9614077404
23	1	Screw for safety guard		9611993239	9611993239	9611993239
<b>Legs</b>						
30a	1	Support bar, right Exeb		9612132203	9612132204	9612342201
30b	1	Support bar, left Exeb		9612132303	9612132304	9612342201
30a	1	Support bar, right Exdbeb		9612132204	9612132204	8010005880
30b	1	Support bar, left Exdbeb		9612132304	9612132304	8010005880
31	4	Legs		9612396701	9612396701	9612396701
32	4	Screw		9611991126	9611991126	9611991907
33	4	Nut		9611990587	9611990587	9611992160
34	4	Spring washer		9611990676	9611990676	9611991886
35	4	Screw		9611991834	9611991834	9611993680
35a	4	Washer		9611990706	9611990706	9611990703
53	4	Pivot screw				9611991763



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- Product wetted steel parts
- Product wetted elastomer parts



Pos	Qty	Denomination	Frame size	LKHex UP 70 IEC160	LKHex UP 70 IEC180	LKHex UP 70 IEC200	LKHex UP 70 IEC250	LKHex UP 70 IEC280
<b>Motor dependent parts for WEG motors, LKHex UP 70</b>								
5a	1	Compression ring, with thread		9612133603	9612133604	9612133607	9612133608	9612133609
5b	1	Compression ring, without thread		9612133703	9612133704	9612133707	9612133708	9612133709
6	6	Screw		9611993198	9611993198	9611993198	9611993266	
6a	6	Washer		9611993199	9611993199	9611993199	9611993199	
	8	Screw						9611993266
	8	Washer						9611993199
7	1	Shaft incl. pin, (pos.8)		9612512603	9612512303	9612512203	9612501003	9613406501
2	1	Shroud, Exeb		9614191801	9614191901	9615213301	9614192101	9614192001
3	4	Screw		9611993243	9611993243	9611993243	9611993243	9611993243
46	4	Distance sleeve		3143803903	3143803903	3143803903	3143803903	3143803903
2	1	Shroud Exdbeb		8010005451	8010005452	8010005453	8010005454	
3	4	Screw		9611993243	9611993243	9611993243	9611993243	
46	4	Distance sleeve		3143803903	3143803904	3143803903	3143803903	
16	1	Apaptor		9612511901	9612511901	9612511801	9612500801	9612500801
17	4	Screw for adaptor		9611992163	9611992164	9611992164	9611992200	9611992200
18	4	Nut for adaptor		9611992160	9611992160	9611992160	9611992160	9611992160
19	4	Washer for adaptor		9611991886	9611991886	9611991886	9611991886	9611991886
22	1	Safety guard set		9614077407	9614077407	9614077407	9614077408	9614077408
23	1	Screw for safety guard		9611993239	9611993239	9611993239	9611993239	9611993239
<b>Legs</b>								
30a	1	Support bar, right Exeb		9612132203	9612132204	9612342201		
30b	1	Support bar, left Exeb		9612132303	9612132304	9612342201		
30a	1	Support bar, right Exdbeb		9612132204	9612132204	8010005880		
30b	1	Support bar, left Exdbeb		9612132304	9612132304	8010005880		
31	4	Legs		9612396701	9612396701	9612396701		
32	4	Screw		9611991126	9611991126	9611991907		
33	4	Nut		9611990587	9611990587	9611992160	9611990935	9611990935
34	4	Spring washer		9611990676	9611990676	9611991886	9611993267	9611993267
35	4	Screw		9611991834	9611991834	9611993680	9611993268	9611993268
35a	4	Washer		9611990706	9611990706	9611990703	9611993269	9611993269
47	2	Leg bracket					9612518401	9612518403
48	4	Nut for leg					9611993260	9611993260
49	4	Screw for leg					9612518501	9612518501
53	4	Pivot screw				9611991763		

Pos	Qty	Denomination	1.85 kW IEC90	2.5 kW IEC100	3.3 kW IEC112	4.6 kW IEC132	5.5 kW IEC132
1	1	Motor, WEG Exeb 50Hz	9614193801	9614193802	9614193803	9614193804	9614193805
	1	Motor, WEG Exeb 60Hz	9614193845	9614193846	9614193847	9614193848	9614193849

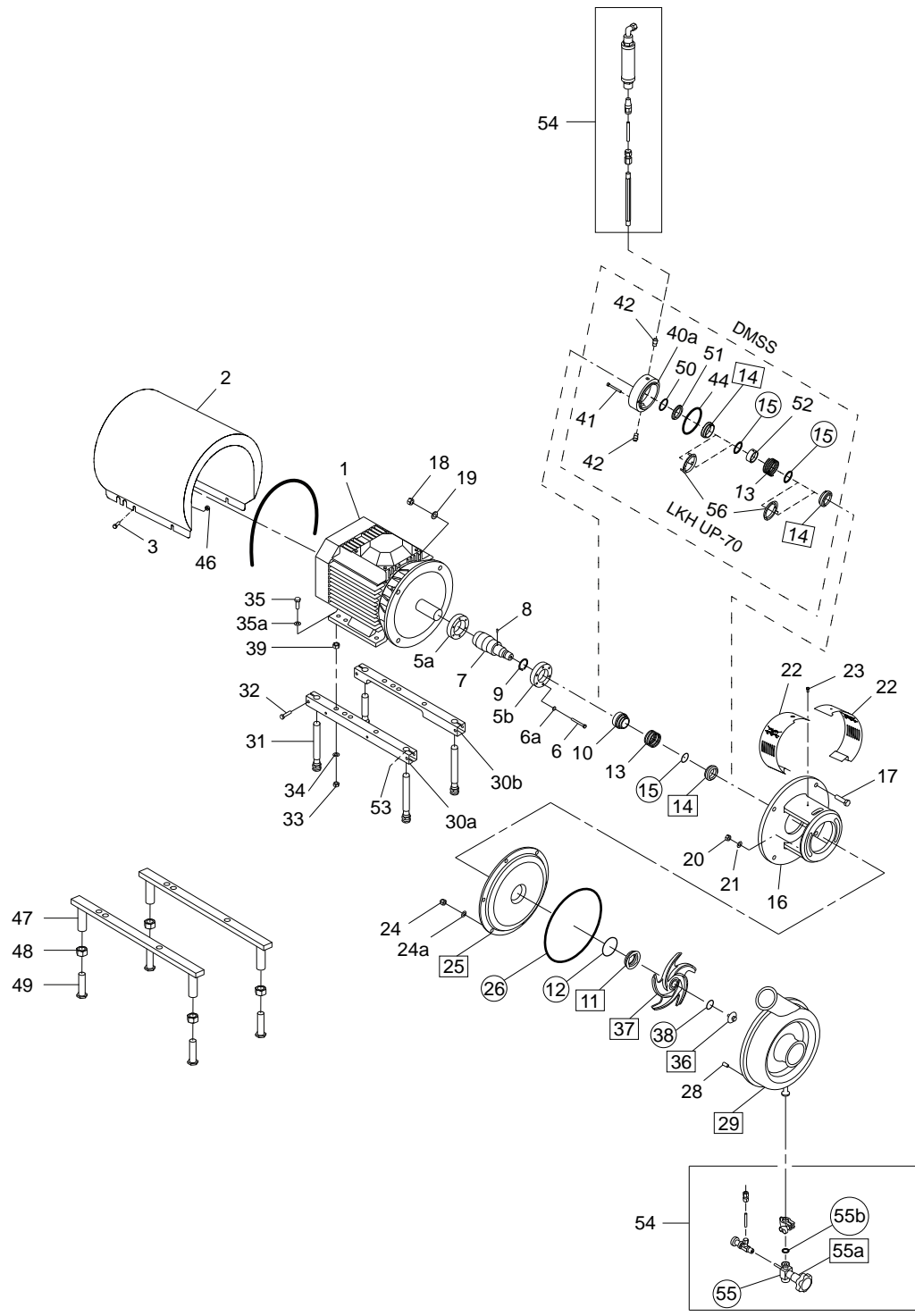
Pos	Qty	Denomination	7,5 kW IEC160	12.5 kW IEC160	15 kW IEC180	20 kW IEC200	24 kW IEC200
1	1	Motor, WEG Exeb 50Hz	9614193806	9614193807	9614193808	9614193809	9614193810
	1	Motor, WEG Exeb 60Hz	9614193850	9614193851	9614193852	9614193853	9614193854

Pos	Qty	Denomination	36 kW IEC260	47 kW IEC280	58 kW IEC280
1	1	Motor, WEG Exeb 50Hz	9614193811	9614193812	9614193813
	1	Motor, WEG Exeb 60Hz	9614193855	9614193856	9614193857

Pos	Qty	Denomination	1.5 kW IEC90	2.2 kW IEC90	3 kW IEC100	4 kW IEC112	5.5 kW IEC132
1	1	Motor, WEG Ex db eb 50Hz/60Hz	8010003839	8010003840	8010003841	8010003842	8010003843

Pos	Qty	Denomination	7,5 kW IEC132	11 kW IEC160	15 kW IEC160	18,5 kW IEC160	22 kW IEC180
1	1	Motor, WEG Ex db eb 50Hz/60Hz	8010003844	8010003845	8010003846	8010003847	8010003848

Pos	Qty	Denomination	30 kW IEC200	37 kW IEC200	55 kW IEC250	75 kW IEC250
1	1	Motor, WEG Ex db eb 50Hz/60Hz	8010003849	8010003850	8010003851	8010003852



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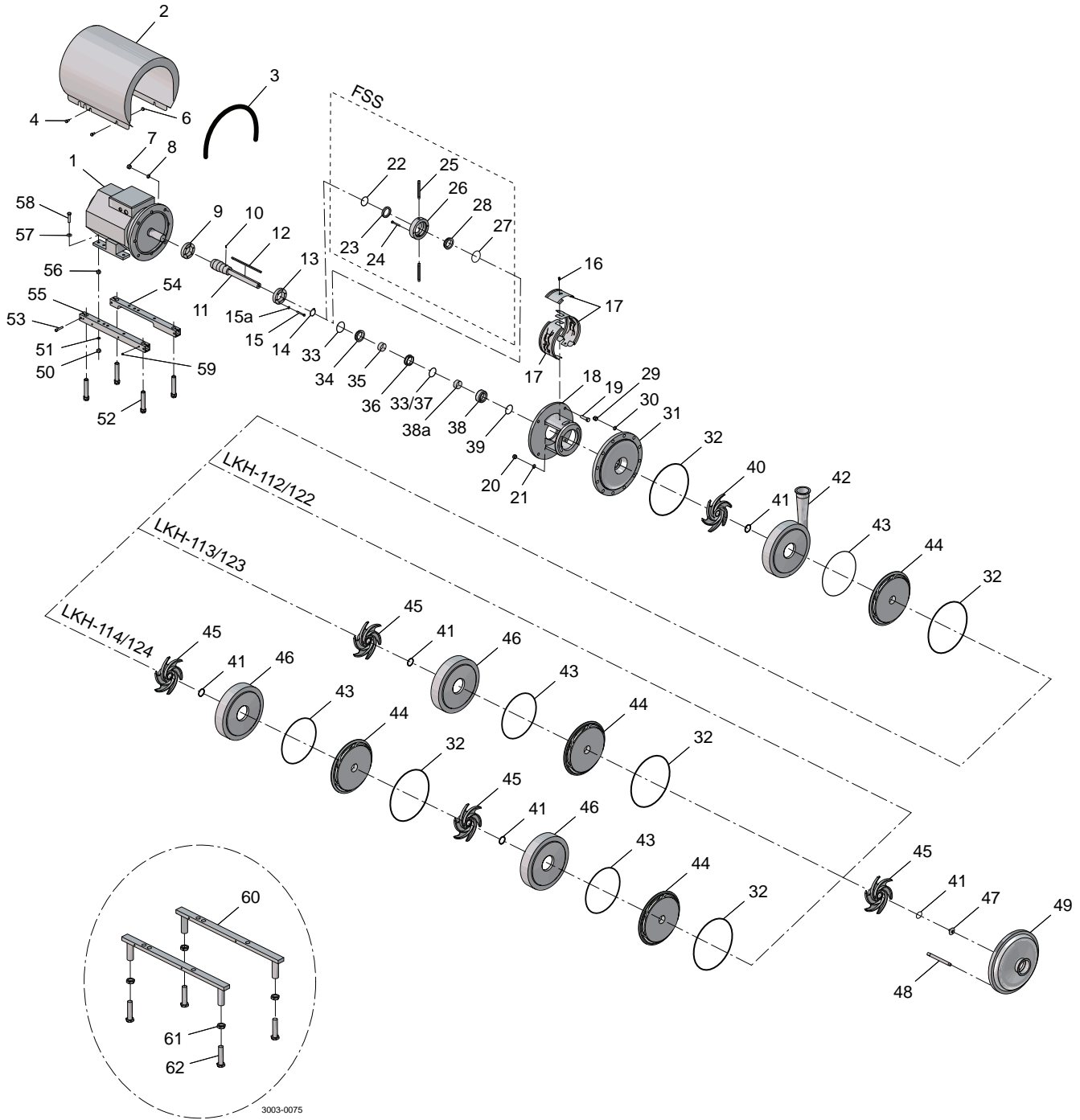
- Product wetted steel parts
- Product wetted elastomer parts

Pos	Qty	Denomination	LKHex UP 10/20/25 /35/40/45/60	LKHex UP 70	EPDM	FPM	FEP
<b>Drive ring</b>							
10	1	Drive ring, Single shaft seal steel	9614206001	9612514901			
<b>Parts for double mechanical shaft seal</b>							
40a	1	Seal housing	9612133902	9612591401			
41	2	Screw for seal housing	9611990203	9611993766			
42	2	Fittings	9611992323	9611992323			
<b>Single shaft seal</b>							
♦		Single shaft seal, SIC/SIC					
11	1	Stationary seal ring, SIC					
12	1	O-ring					
13	1	Spring					
14	1	Rotating seal ring, SIC					
15	1	O-ring					
<b>Double mechanical shaft seal</b>							
•		Double mechanical shaft seal, SIC/SIC					
11	1	Stationary seal ring, SIC					
12	1	O-ring					
13	1	Spring					
14	2	Rotating seal ring, SiC					
15	2	O-ring					
44	1	O-ring for seal housing					
50	1	O-ring					
51	1	Sec. stationary seal ring					
52	1	Drive ring					
<b>Service kit for single shaft seal</b>							
♦		Service kit LKHex UP-10	9611922339	9611922338	9611922340		
		Service kit LKHex UP-20	9611922357	9611922356	9611922358		
		Service kit LKHex UP-25/35/45	9611922375	9611922374	9611922376		
		Service kit LKHex UP-40/60	9611922393	9611922392	9611922394		
		Service kit LKHex UP-70	9611920549	9611920550	9611920551		
<b>Service kit for double mechanical shaft</b>							
•		Service kit LKHex UP-10	9611922345	9611922344	9611922346		
		Service kit LKHex UP-20	9611922363	9611922362	9611922364		
		Service kit LKHex UP-25/35/45	9611922381	9611922380	9611922382		
		Service kit LKHex UP-40/60	9611922399	9611922398	9611922400		
		Service kit LKHex UP-70	9611920552	9611920553	9611920554		

Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity. Parts marked with ♦♦ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit single to double mechanical shaft seal : Please order Double mechanical service kit + pos. 40a + 41 + 42  
900716/3



Pos	Qty	Denomination	LKH-112	LKH-113	LKH-114
			IEC90-IEC160	IEC100-IEC160	IEC132-IEC180
<b>Pump Casing std. blasted</b>					
42		Pump casing, male part IDF	9612388901	9612388901	9612388901
		Pump casing, male part SMS	9612388902	9612388902	9612388902
		Pump casing, DIN	9612388903	9612388903	9612388903
		Pump casing, ferrule ISO	9612388904	9612388904	9612388904
		Pump casing, male part BS	9612388905	9612388905	9612388905
		Pump casing, flange DN40	9612389401	9612389401	9612389401

<b>Pump Cover std. blasted</b>					
49		Pump Cover, male part IDF	9612389301	9612389301	9612389301
		Pump Cover, male part SMS	9612389302	9612389302	9612389302
		Pump cover, DIN	9612389303	9612389303	9612389303
		Pump Cover, ferrule ISO	9612389304	9612389304	9612389304
		Pump Cover, male part BS	9612389305	9612389305	9612389305
		Pump cover, flange DN50	9612389501	9612389501	9612389501

Pos	Qty	Denomination	LKH-112P	LKH-113P	LKH-114P
			IEC90-IEC160	IEC100-IEC160	IEC132-IEC180

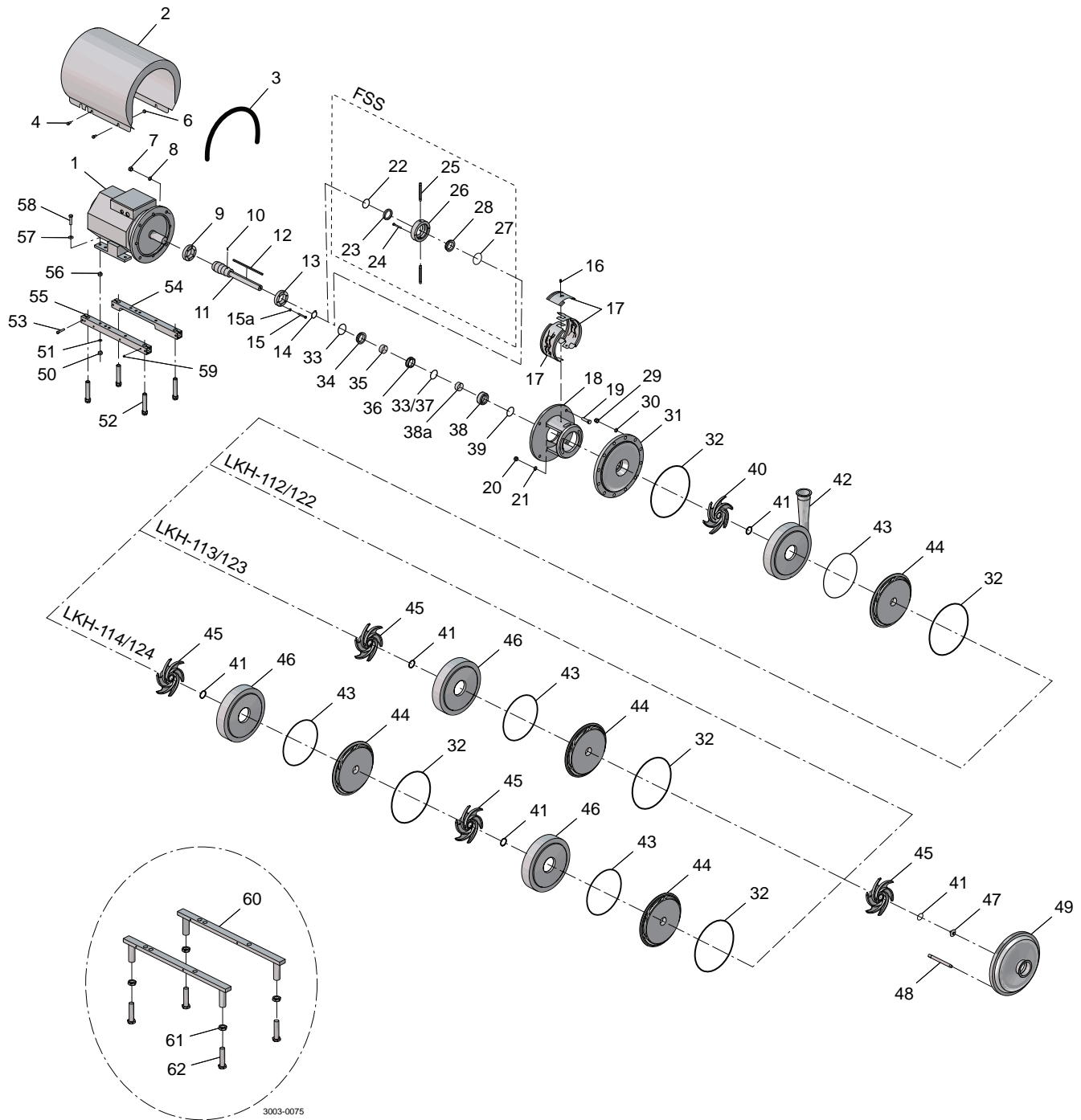
<b>Pump Casing std. blasted</b>					
42		Pump casing, male part IDF	9612388901	9612388901	9612388901
		Pump casing, male part SMS	9612388902	9612388902	9612388902
		Pump casing, DIN	9612388903	9612388903	9612388903
		Pump casing, ferrule ISO	9612388904	9612388904	9612388904
		Pump casing, male part BS	9612388905	9612388905	9612388905
		Pump casing, flange DN40	9612389401	9612389401	9612389401

<b>Pump Cover std. blasted</b>					
49		Pump Cover, male part IDF	9612389301	9612389301	9612389301
		Pump Cover, male part SMS	9612389302	9612389302	9612389302
		Pump cover, DIN	9612389303	9612389303	9612389303
		Pump Cover, ferrule ISO	9612389304	9612389304	9612389304
		Pump Cover, male part BS	9612389305	9612389305	9612389305
		Pump cover, flange DN50	9612389501	9612389501	9612389501

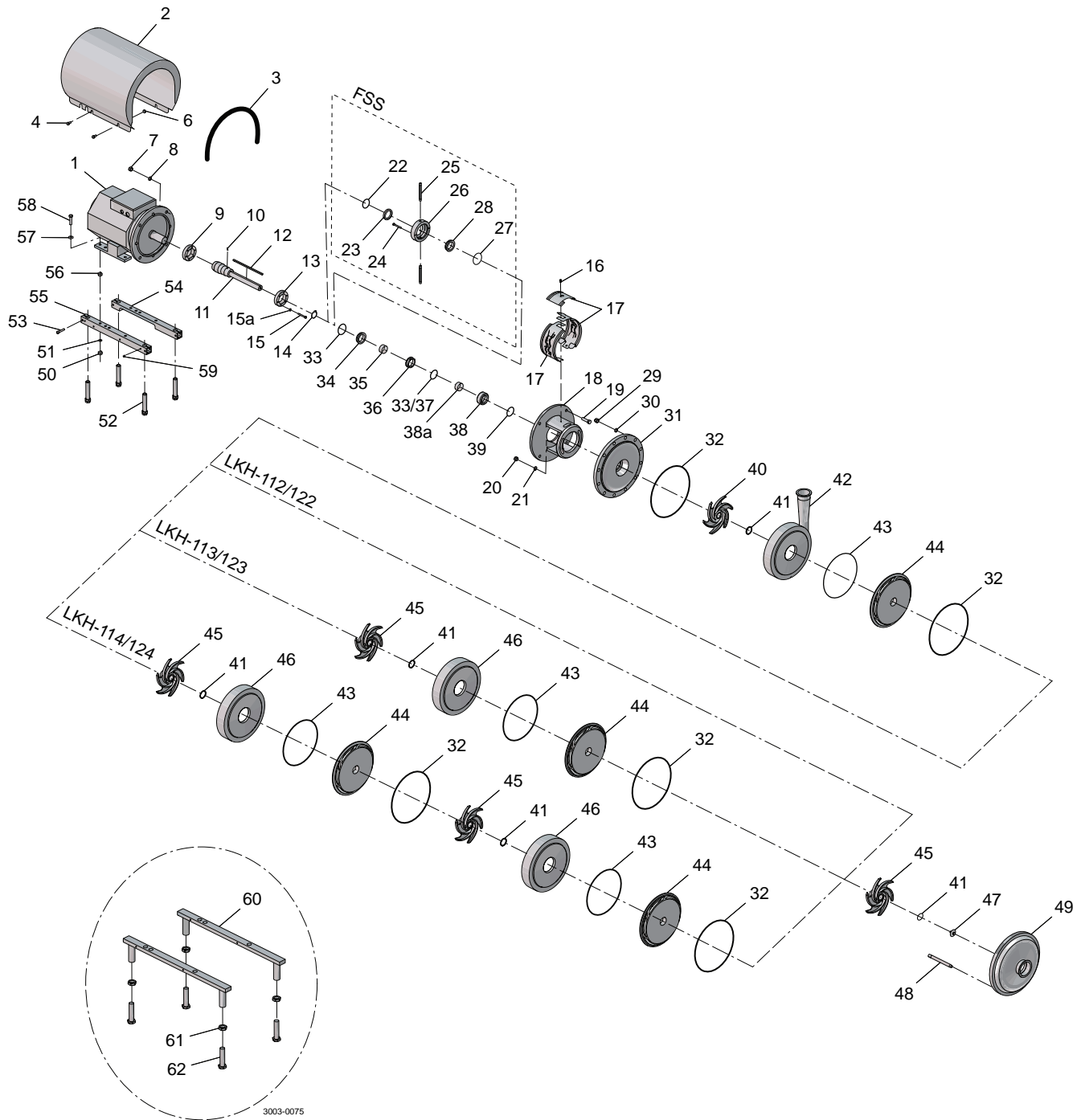
Pos	Qty	Denomination	LKH-122	LKH-123	LKH-124
			IEC180-IEC200	IEC180-IEC250	IEC200-IEC250

<b>Pump Casing std. blasted</b>					
42		Pump casing, compl. Flange	9612592301	9612592301	9612592301
		Pump casing, compl. Clamp	9612592302	9612592302	9612592302

<b>Pump Cover std. blasted</b>					
49		Pump cover, compl. Flange	9612592401	9612592401	9612592401
		Pump cover, compl. Clamp	9612592402	9612592402	9612592402

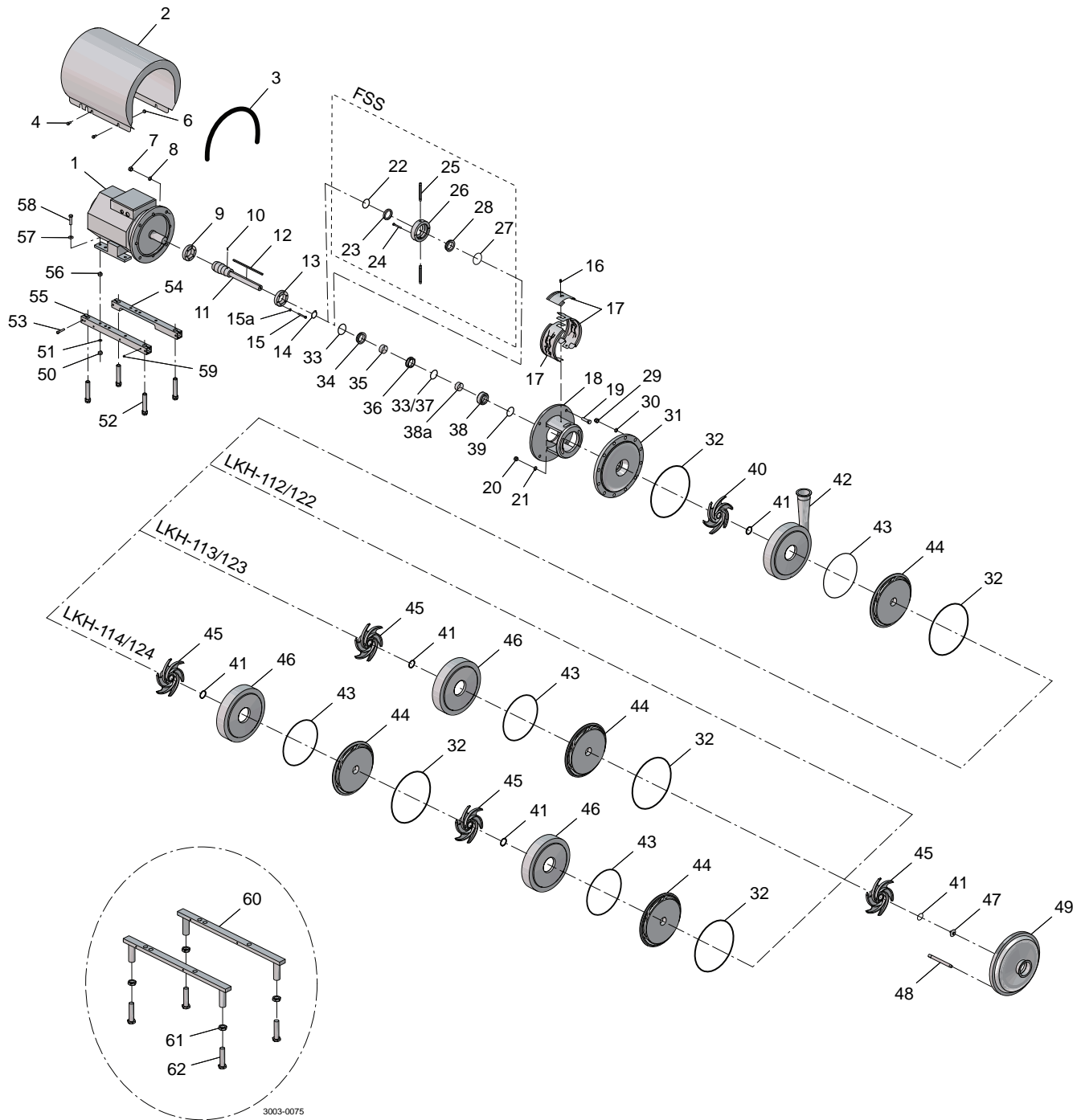


Pos	Qty	Denomination	LKH-112 IEC90- IEC160	LKH-113 IEC100- IEC160	LKH-114 IEC132- IEC180
29	6	Cap nut	9611992593	9611992593	9611992593
30	6	Washer	9611991887	9611991887	9611990676
48	6	Bolt	9612363501	9612363502	9612363503
43	1	O-ring, EPDM, (standard)	9611992747		
		O-ring, NBR	9611992748		
		O-ring, FPM	9611992749		
	2	O-ring, EPDM, (standard)		9611992747	
		O-ring, NBR		9611992748	
		O ring, FPM		9611992749	
	3	O-ring, EPDM, (standard)			9611992747
		O-ring, NBR			9611992748
		O-ring, FPM			9611992749
41	2	O-ring, EPDM, (standard)	9611992750		
		O-ring, NBR	9611992751		
		O-ring, FPM	9611992752		
	3	O-ring, EPDM, (standard)		9611992750	
		O-ring, NBR		9611992751	
		O-ring, FPM		9611992752	
	4	O-ring, EPDM, (standard)			9611992750
		O-ring, NBR			9611992751
		O-ring, FPM			9611992752
32	2	O-ring, EPDM, (standard)	9611992744		
		O-ring, NBR	9611992745		
		O-ring, FPM	9611992746		
	3	O-ring, EPDM, (standard)		9611992744	
		O-ring, NBR		9611992745	
		O-ring, FPM		9611992746	
	4	O-ring, EPDM, (standard)			9611992744
		O-ring, NBR			9611992745
		O-ring, FPM			9611992746
44	1	Guide vanes blasted	9612361301		
	2	Guide vanes blasted		9612361301	
	3	Guide vanes blasted			9612361301
46	1	Intermediate casing blasted		9612361001	
	2	Intermediate casing blasted			9612361001
40	1	Impeller back std. blasted	9612360401	9612360401	9612360401
45	1	Impeller std. blasted	9612360501		
	2	Impeller std. blasted		9612360501	
	3	Impeller std. blasted			9612360501
47	1	Impeller screw std. Blasted	9612362701	9612362701	9612362701
31	1	Back plate std. blasted, (0-10 bar)	9612389208	9612389208	9612389208
20	2	Nut	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559
12	1	Key	9611992756	9611992757	9611992758
63	1	Set of 8 springs for rotating sealhousing, (incl. In pos 38)	9611995848	9611995848	9611995848

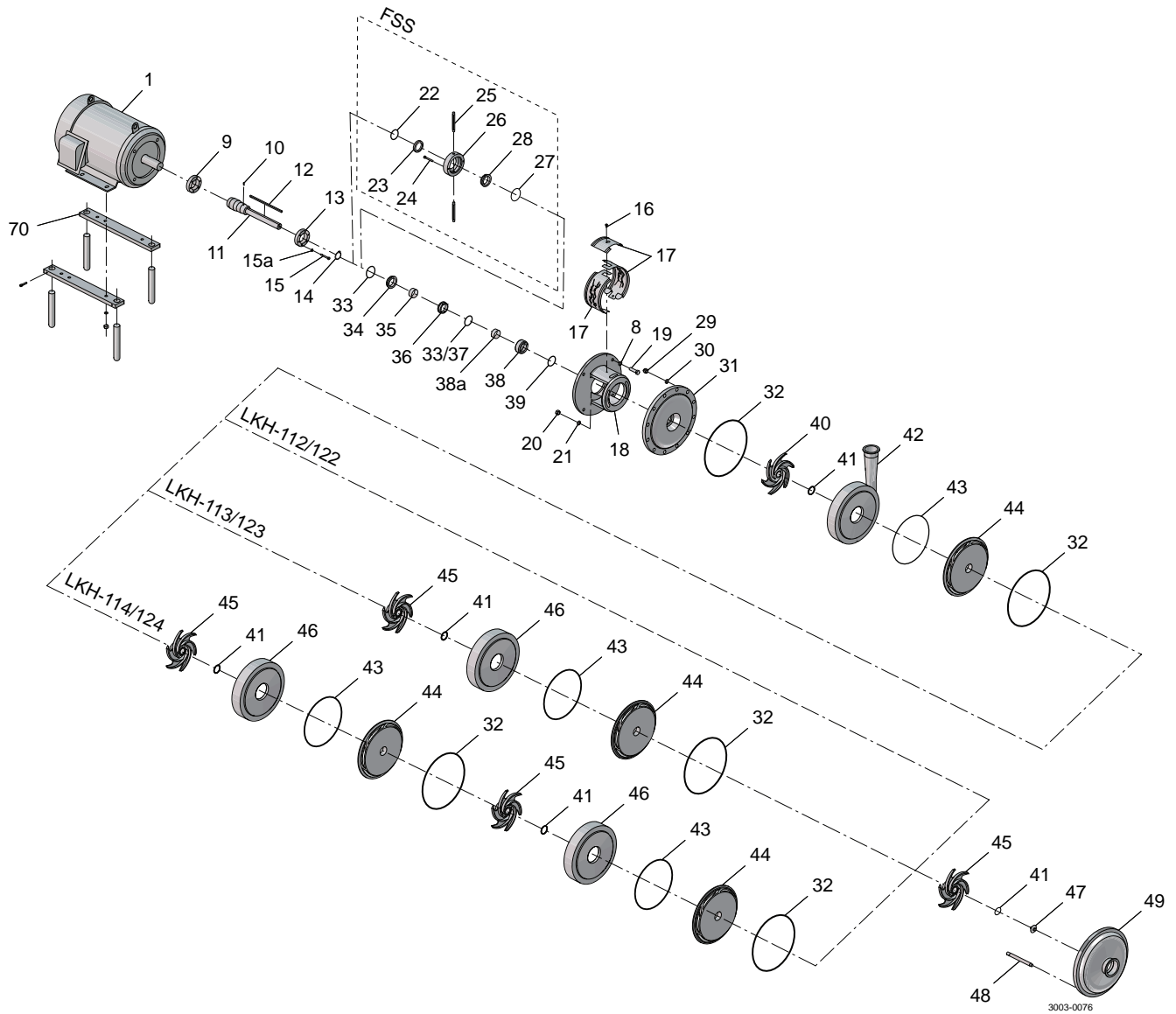




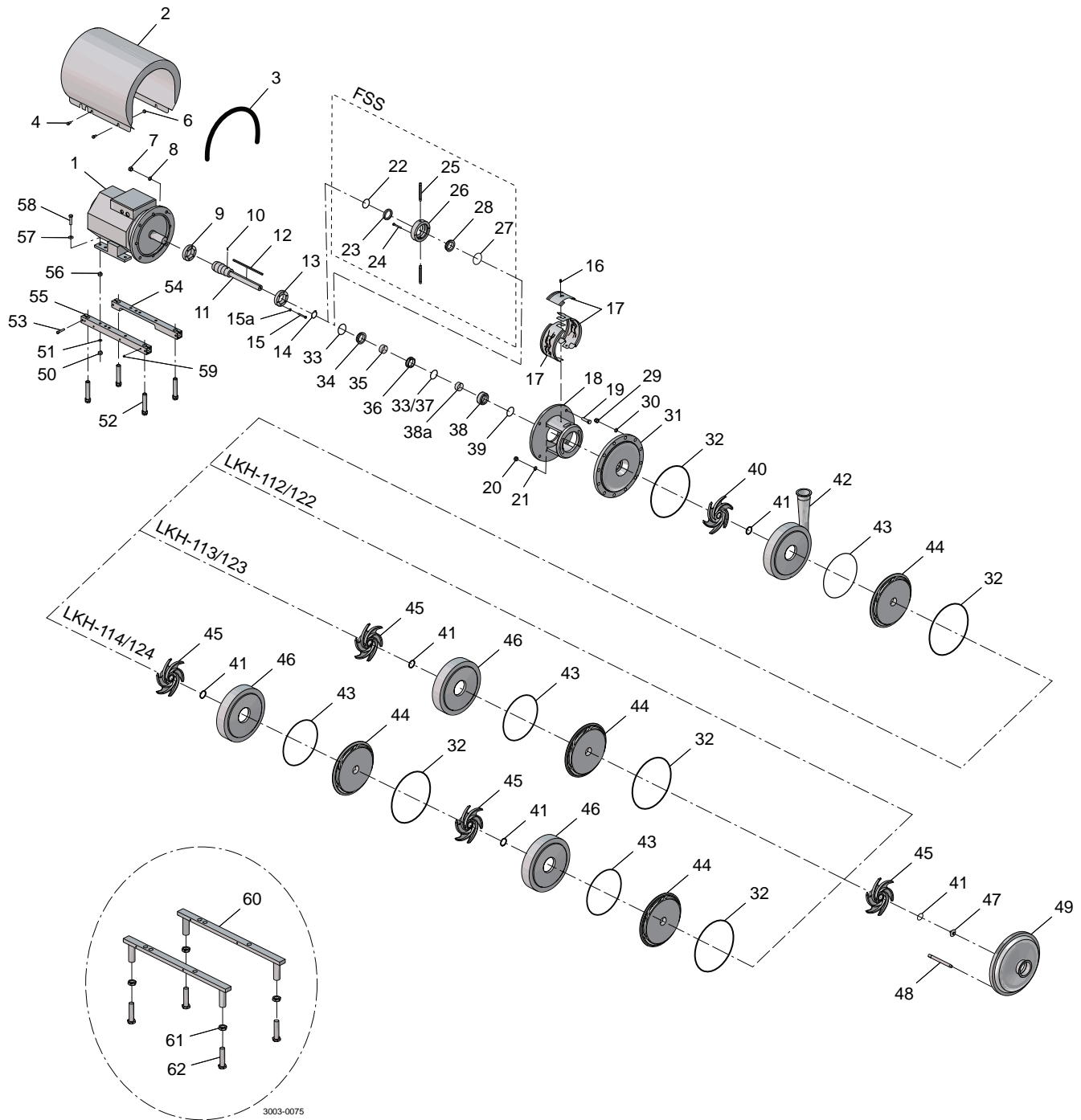
Pos	Qty	Denomination	LKH-112P	LKH-113P	LKH-114P
			IEC90-IEC160	IEC100-IEC160	IEC132-IEC180
29	6	Cap nut	9611992593	9611992593	9611992593
30	6	Washer	9611991887	9611991887	9611990676
48	6	Bolt	9612363501	96123635025	9612363503
43	1	O-ring, EPDM, (standard)	9611992747		
		O-ring, NBR	9611992748		
		O-ring, FPM	9611992749		
	2	O-ring, EPDM, (standard)		9611992747	
		O-ring, NBR		9611992748	
		O-ring, FPM		9611992749	
	3	O-ring, EPDM, (standard)			9611992747
		O-ring, NBR			9611992748
		O-ring, FPM			9611992749
41	2	O-ring, EPDM, (standard)	9611992750		
		O-ring, NBR	9611992751		
		O-ring, FPM	9611992752		
	3	O-ring, EPDM, (standard)		9611992750	
		O-ring, NBR		9611992751	
		O-ring, FPM		9611992752	
	4	O-ring, EPDM, (standard)			9611992750
		O-ring, NBR			9611992751
		O-ring, FPM			9611992752
32	2	O-ring, EPDM, (standard)	9611992744		
		O-ring, NBR	9611992745		
		O-ring, FPM	9611992746		
	3	O-ring, EPDM, (standard)		9611992744	
		O-ring, NBR		9611992745	
		O-ring, FPM		9611992746	
	4	O-ring, EPDM, (standard)			9611992744
		O-ring, NBR			9611992745
		O-ring, FPM			9611992746
44	1	Guide vanes blasted	9612361301		
	2	Guide vanes blasted		9612361301	
	3	Guide vanes blasted			9612361301
46	1	Intermediate casing blasted		9612361001	
	2	Intermediate casing blasted			9612361001
40	1	Impeller back std. blasted	9612360401	9612360401	9612360401
45	1	Impeller std. blasted	9612360501		
	2	Impeller std. blasted		9612360501	
	3	Impeller std. blasted			9612360501
47	1	Impeller screw std. blasted	9612362701	9612362701	9612362701
31	1	Back plate std. blasted, (10 ≤ bar)	9612389214	9612389214	9612389214
20	2	Nut	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559
12	1	Key	9611992756	9611992757	9611992758
63	1	Set of 8 springs for rotating sealhousing, (incl. In pos 38)	9611995848	9611995848	9611995848



Pos	Qty	Denomination	LKH-122	LKH-123	LKH-124	
			IEC180-IEC200	IEC180-IEC250	IEC200-IEC250	
29	11	Cap nut	9611993685	9611993685	9611993685	
30	11	Washer	9611993684	9611993684	9611993684	
48	11	Bolt	9612363506	9612363507	9612363508	
43	1	O-ring, EPDM, (standard)	9611993582			
		O-ring, NBR	9611993583			
		O-ring, FPM				
	2	O-ring, EPDM, (standard)		9611993582		
		O-ring, NBR		9611993583		
		O-ring, FPM				
	3	O-ring, EPDM, (standard)			9611993582	
		O-ring, NBR			9611993583	
		O-ring, FPM				
	41	2	O-ring, EPDM, (standard)	9611993578		
O-ring, NBR			9611993579			
O-ring, FPM						
3		O-ring, EPDM, (standard)		9611993578		
		O-ring, NBR		9611993579		
		O-ring, FPM				
4		O-ring, EPDM, (standard)			9611993578	
		O-ring, NBR			9611993579	
		O-ring, FPM				
32		2	O-ring, EPDM, (standard)	9611993574		
			O-ring, NBR	9611993575		
			O-ring, FPM			
	3	O-ring, EPDM, (standard)		9611993574		
		O-ring, NBR		9611993575		
		O-ring, FPM				
	4	O-ring, EPDM, (standard)			9611993574	
		O-ring, NBR			9611993575	
		O-ring, FPM				
	44	1	Guide vanes blasted	9612590302		
		2	Guide vanes blasted		9612590302	
		3	Guide vanes blasted			9612590302
46	1	Intermediate casing blasted		9612590902		
	2	Intermediate casing blasted			9612590902	
40	1	Impeller back std. blasted	9612590604	9612590604	9612590604	
45	1	Impeller std. blasted	9612590603			
	2	Impeller std. blasted		9612590603		
	3	Impeller std. blasted			9612590603	
47	1	Impeller screw std. blasted	9612591304	9612591304	9612591304	
31	1	Back plate std. blasted, (10 ≤ bar)	9612389224	9612389224	9612389224	
20	2	Nut	9611990353	9611990353	9611990353	
21	2	Washer	9611992559	9611992559	9611992559	
12	1	Key	9611993476	9611992758	9611993474	
63	1	Set of 8 springs, for rotating sealhousing (incl. In pos 38)	9611995849	9611995849	9611995849	

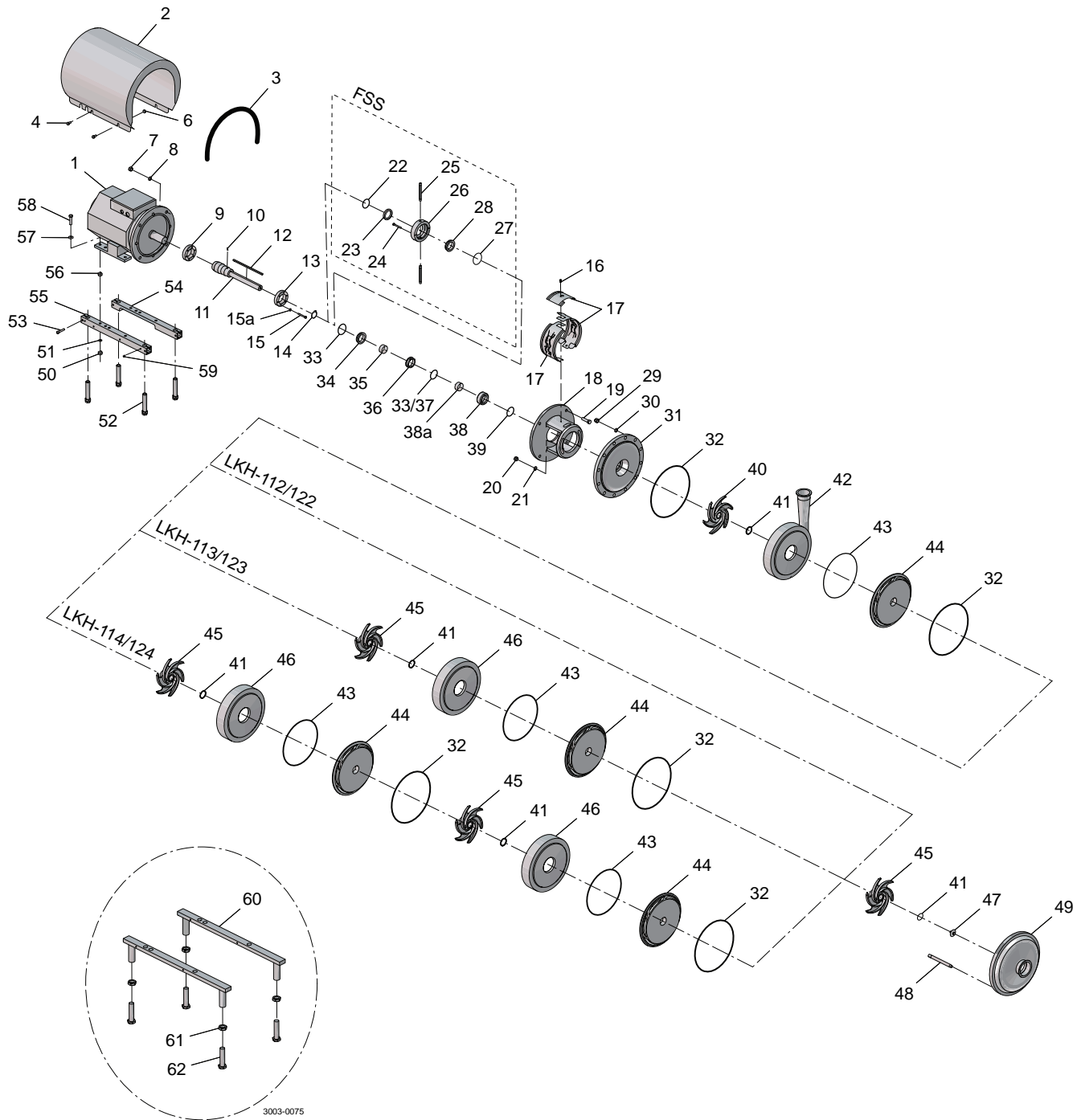


Pos	Qty	Denomination	LKH-112 7.5-20Hp	LKH-113 7.5-30Hp	LKH-114 7.5-30Hp
<b>Pump Casing polished Ra ≤32</b>					
42		Pump casing, clamp Tri-clamp	9612388904	9612388904	9612388904
<b>Pump Cover polished Ra ≤ 32</b>					
49		Pump Cover, clamp Tri-clamp	9612389304	9612389304	9612389304
29	6	Cap nut	9611992593	9611992593	9611992593
30	6	Washer	9611991887	9611991887	9611990676
48	6	Bolt	9612363501	9612363502	9612363503
43	□♦○■	1 O ring, EPDM, (standard)	9611992747		
		1 O ring, NBR	9611992748		
		1 O ring, FPM	9611992749		
		2 O ring, EPDM, (standard)		9611992747	
		2 O ring, NBR		9611992748	
		2 O ring, FPM		9611992749	
		3 O ring, EPDM, (standard)			9611992747
		3 O ring, NBR			9611992748
		3 O ring, FPM			9611992749
41	□♦○■	2 O ring, EPDM, (standard)	9611992750		
		2 O ring, NBR	9611992751		
		2 O ring, FPM	9611992752		
		3 O ring, EPDM, (standard)		9611992750	
		3 O ring, NBR		9611992751	
		3 O ring, FPM		9611992752	
		4 O ring, EPDM, (standard)			9611992750
		4 O ring, NBR			9611992751
		4 O ring, FPM			9611992752
32	□♦○■	2 O ring, EPDM, (standard)	9611992744		
		2 O ring, NBR	9611992745		
		2 O ring, FPM	9611992746		
		2 O ring, EPDM, (standard)		9611992744	
		2 O ring, NBR		9611992745	
		2 O ring, FPM		9611992746	
		2 O ring, EPDM, (standard)			9611992744
		2 O ring, NBR			9611992745
		2 O ring, FPM			9611992746
44		1 Guide vanes polished Ra ≤ 32	9612361303		
		2 Guide vanes polished Ra ≤ 32		9612361303	
		3 Guide vanes polished Ra ≤ 32			9612361303
46		1 Intermediate casing polished Ra ≤ 32		9612361003	
		2 Intermediate casing polished Ra ≤ 32			9612361003
40		1 Impeller back polished Ra ≤ 32	9612360403	9612360403	9612360403
45		1 Impeller polished Ra ≤ 32	9612360503		
		2 Impeller polished Ra ≤ 32		9612360503	
		3 Impeller polished Ra ≤ 32			9612360503
47		1 Impeller screw polished Ra ≤ 32	9612362703	9612362703	9612362703
31		1 Back plate polished Ra ≤ 32, (0-10 bar)	9612389212	9612389212	9612389212
20		2 Nut	9611990353	9611990353	9611990353
21		2 Washer	9611992559	9611992559	9611992559
12		1 Key	9611992756	9611992757	9611992758



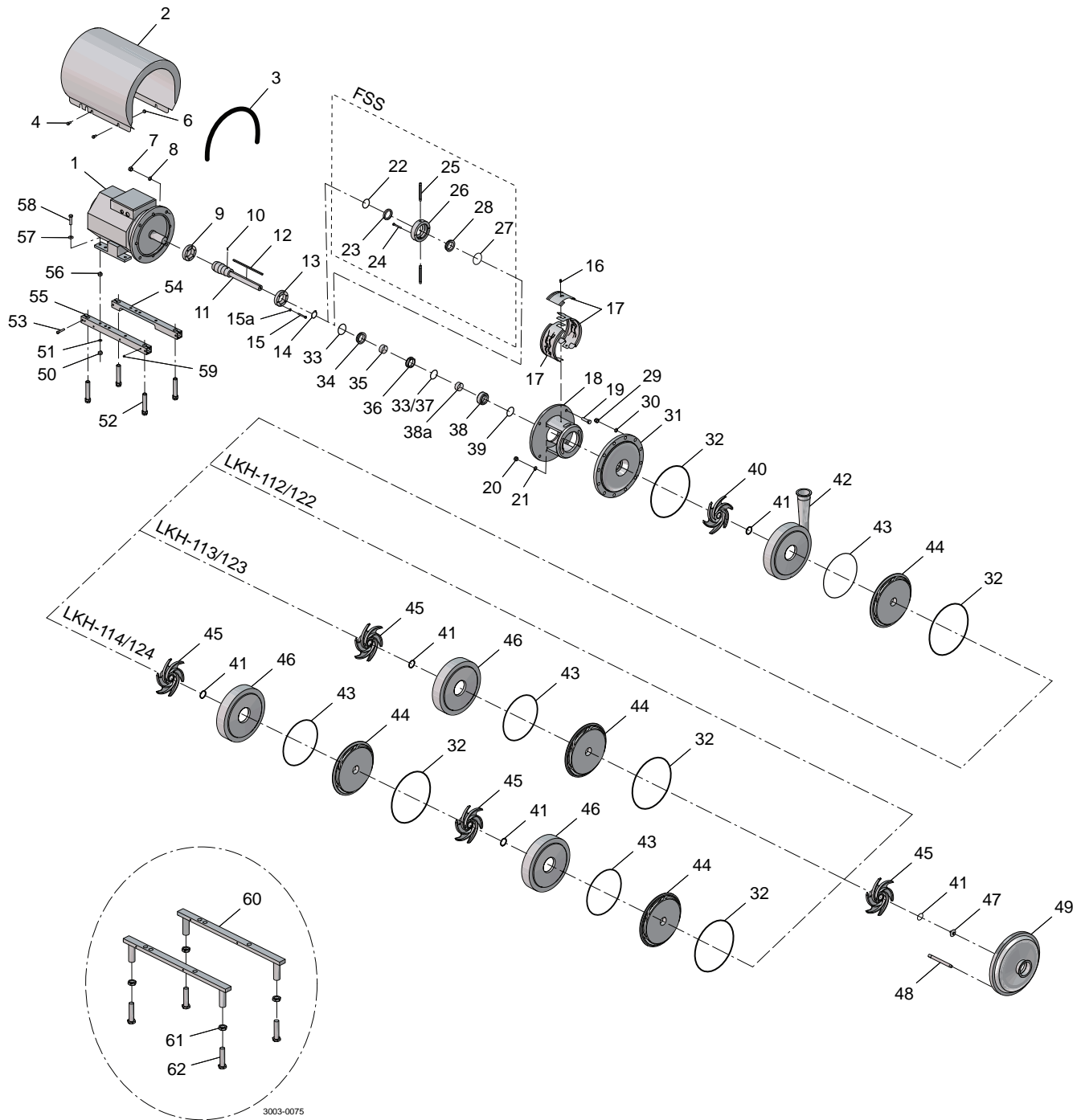
Pos	Qty	Denomination	IEC90	IEC100	IEC112
2	1	Shroud	9612139001	9614192203	9612139003
3	1	Edge list, (Included in pos. 2)			
4	4	Screw	9611993240	9611993240	9611993240
9	1	Compression ring, with thread	9612133601	9612133602	9612133602
13	1	Compression ring, without thread	9612133701	9612133702	9612133702
15	6	Screw	9611993196	9611993196	9611993196
15a	6	Washer	9611993199	9611993199	9611993199
11	1	Shaft, LKH112/LKH112P single shaft seal	9612389601	9612361901	9612361901
	1	Shaft, LKH113/LKH113P single shaft seal		9612361902	9612361902
	1	Shaft incl. pin, (pos.8) LKH112/LKH112P flushed shaft seal	9612389602	9612361903	9612361903
	1	Shaft incl. pin, (pos.8) LKH113/LKH113P flushed shaft seal		9612361904	9612361904
10	1	Connex pin, for flushed shaft seal	9611990622	9611990622	9611990622
8	1	Connex pin	9611990622	9611990622	9611990622
14	1	Retaining ring	9611992307		
17	1	Safety guard set	9614077401	9614077402	9614077402
	1	Safety Guard left new	9615270101	9615270201	9615270201
		Safety Guard right new	9615270111	9615270211	9615270211
	1	Top Plate new	9615271301	9615271401	9615271401
16	1	Screw, for safety guard	9611993239	9611993239	9611993239
18	1	Adaptor	9612342301	9612342401	9612342401
19	4	Screw for adaptor	9611992161	9611991834	9611991834
8	4	Washer for adaptor	9611991887	9611990676	9611990676
7	4	Nut for adaptor	9611990353	9611990587	9611990587
55	1	Support bar, right	9612132201	9612132205	9612132205
54	1	Support bar, left	9612132301	9612132305	9612132305
52	4	Leg	9612396701	9612396701	9612396701
50	4	Nut	9611990360	9611990353	9611990353
51	4	Spring washer	9611991888	9611991887	9611991887
58	4	Screw	9611993241	9611991911	9611991911
57	4	Washer		9611990786	9611990786
56	4	Nut		9611990587	
53	4	Screw	9611991907	9611991907	9611991907
6	4	Distance sleeve		9611992737	

Pos	Qty	Denomination	IEC132	IEC160	IEC180
2	1	Shroud	9612139008	9612139005	9612139006
3	1	Edge list, (Included in pos. 2)			
4	4	Screw	9611993240	9611993241	9611993240
9	1	Compression ring with thread	9612133605	9612133603	9612133604
13	1	Compression ring without thread	9612133705	9612133703	9612133704
15	6	Screw	9611993197	9611993197	9611993198
15a	6	Washer	9611993199	9611993199	9611993199
11	1	Shaft, LKH112/LKH112P single shaft seal	9612362001	9612362101	
	1	Shaft, LKH113/LKH113P single shaft seal	9612362002	9612362102	
	1	Shaft, LKH114/LKH114P single shaft seal	9612362003	9612362103	9612514801
	1	Shaft incl. pin, (pos.8) LKH112/LKH112P flushed shaft seal	9612362004	9612362104	
	1	Shaft incl. pin, (pos.8) LKH113/LKH113P flushed shaft seal	9612362005	9612362105	
	1	Shaft incl. pin, (pos.8) LKH114/LKH114P flushed shaft seal	9612362006	9612362106	
	1	Shaft incl. pin, (pos.8) LKH122			9612514802
	1	Shaft incl. pin, (pos.8) LKH123			9612592001
	1	Shaft incl. pin, (pos.8) LKH124			9612592002
	1	Shaft incl. pin, (pos.8) LKH124			9612592003
10	1	Connex pin, for flushed shaft seal	9611990622	9611990622	9611990622
8	1	Connex pin	9611990622	9611990622	9611990622
17	1	Safety guard set	9614077403	9614077404	9614077404
	1	Safety Guard left new	9615270101	9615270201	9615270201
	1	Safety Guard right new	9615270311	9615270411	9615270411
	1	Top Plate new	9615271501	9615271601	9615271601
16	1	Screw for safety guard	9611993239	9611993239	9611993239
18	1	Adaptor	9612342501	9612342601	9612342601
19	4	Screw for adaptor	9611992162	9611992163	9611992164
8	4	Washer for adaptor	9611990676	9611991886	9611991886
7	4	Nut for adaptor	9611990587	9611992160	9611992160
55	1	Support bar, right	9612132206	9612132203	9612132204
54	1	Support bar, left	9612132306	9612132303	9612132304
52	4	Leg	9612396701	9612396701	9612396701
50	4	Nut	9611990353	9611990587	9611990587
51	4	Spring washer	9611991887	9611990676	9611990676
58	4	Screw	9611991911	9611991834	9611991834
57	4	Washer	9611990786	9611990706	9611990706
53	4	Screw	9611991907	9611991907	9611991907
6	4	Distance sleeve	9611992737	3143803902	





Pos	Qty	Denomination	IEC200	IEC250
2	1	Shroud	9612593801	9612593804
4	4	Screw	9611993243	9611993242
9	1	Compression ring with thread	9612133607	9612133608
13	1	Compression ring without thread	9612133707	9612133708
15	6	Screw	9611993198	9611993266
15a	6	Washer	9611993199	9611993199
11	1	Shaft incl. pin, (pos.8) LKH122	9612592101	
	1	Shaft incl. pin, (pos.8) LKH123	9612592102	9612592202
	1	Shaft incl. pin, (pos.8) LKH124	9612592103	9612592203
10	1	Connex pin, for flushed shaft seal	9611990622	9611990622
8	1	Connex pin	9611990622	9611990622
17	1	Safety guard set	9614077404	9614077418
	1	Safety Guard left new	9615270401	9615270501
	1	Safety Guard right new	9615270411	9615270511
	1	Top Plate new	9615271601	9615271701
16	1	Screw for safety guard	9611993239	9611993239
18	1	Adaptor	9612342701	9612591501
19	4	Screw for adaptor	9611992164	
8	4	Washer for adaptor	9611991886	
7	4	Nut for adaptor	9611992160	
19	8	Screw for adaptor		9611992200
8	8	Washer for adaptor		9611991886
7	8	Nut for adaptor		9611992160
55	1	Support bar, right	9612342201	
54	1	Support bar, left	9612342201	
52	4	Leg	9612396701	
50	4	Nut	9611990587	9611990935
51	4	Spring washer	9611990676	9611993267
58	4	Screw	9611993680	9611993268
57	4	Washer	9611990703	9611993269
53	4	Screw	9611991907	
59	4	Pivot screw	9611991763	
60	2	Leg bracket		9612518401
61	4	Nut for leg		9611993260
62	4	Screw for leg		9612518501



Pos	Qty	Denomination	2.2 kW	3 kW	4 kW
			IEC90	IEC100	IEC112
1	1	Motor ABB 3000rpm, - LKH110	9614303004	9614303005	9614303006
	1	Motor ABB 3000rpm special bearing, - LKH110P	9614289501		9614289502

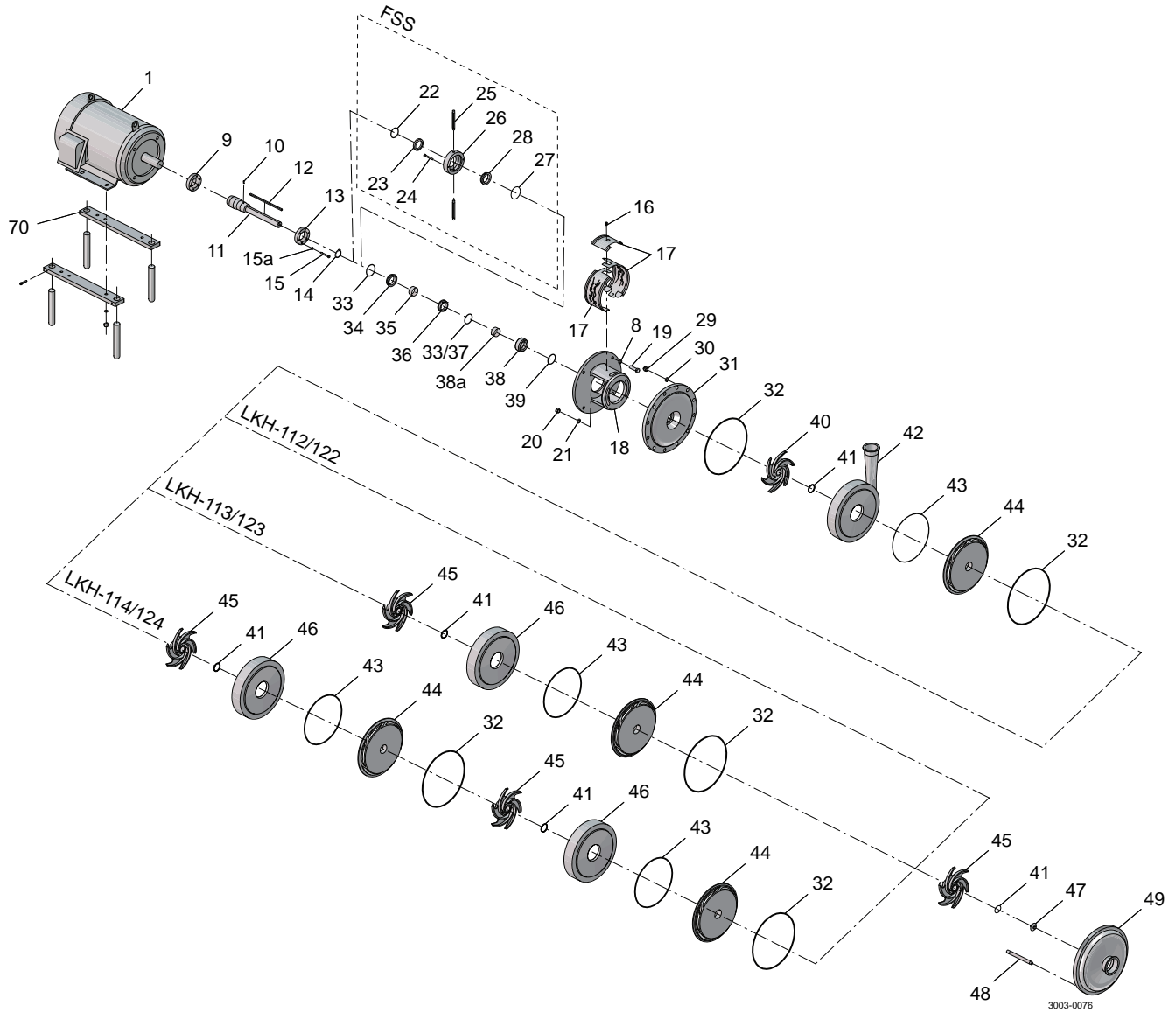
Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW
			IEC132	IEC132	IEC160
1	1	Motor ABB 3000rpm, - LKH110	9614303007	9614303008	9614303009
	1	Motor ABB 3000rpm special bearing, - LKH110P	9614289503	9614289504	9614289505

Pos	Qty	Denomination	15 kW	18.5 kW	22 kW
			IEC160	IEC160	IEC180
1	1	Motor ABB 3000rpm, - LKH110	9614303010	9614303011	9614303012
	1	Motor ABB 3000rpm special bearing, - LKH110P	9614289506	9614289507	9614289508
	1	Motor ABB 3000rpm special bearing, - LKH120			9614289509

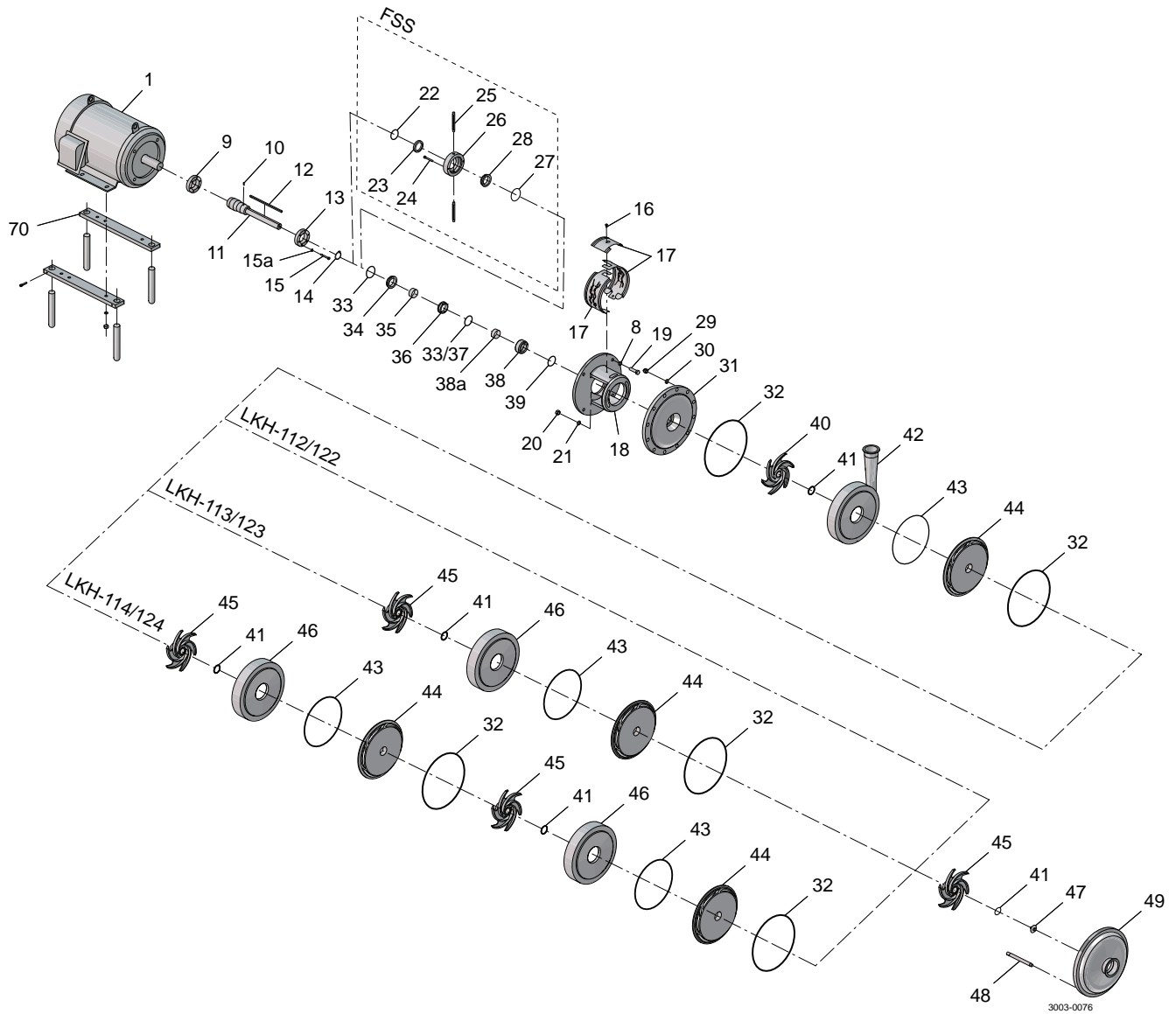
Pos	Qty	Denomination	30 kW	37 kW	45 kW
			IEC200	IEC200	IEC200
1	1	Motor ABB 3000rpm special bearing, - LKH120	9614289510	9614289511	9614289512

Pos	Qty	Denomination	55 kW	75 kW
			IEC250	IEC250
1	1	Motor ABB 3000rpm special bearing, - LKH120	9614289513	9614289514

3 ~, 50 Hz, 230VD/400-415VY - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW  
 3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW



Pos	Qty	Denomination	LKH- 112/113/114, LKH- 112P/113P/114P 7,5-10 Hp	LKH- 112/113/114, LKH- 112P/113P/114P 15-20 Hp	LKH- 112/113/114, LKH- 112P/113P/114P 25-30 Hp
9	1	Compression ring with thread . . . . .	9612133606	9612133603	9612133603
13	1	Compression ring without thread . . . . .	9612133706	9612133703	9612133703
15	6	Screw . . . . .	9611993197	9611993198	9611993198
15a	6	Washer . . . . .	9611993199	9611993199	9611993199
11	1	Shaft LKH112/LKH112P single shaft seal . . .	9612389001	9612389101	9612389101
	1	Shaft LKH113/LKH113P single shaft seal . . .	9612389002	9612389102	9612389102
	1	Shaft LKH114/LKH114P single shaft seal . . .	9612389003	9612389103	9612389103
	1	Shaft incl. pin (pos.8) LKH112/LKH112P flushed shaft seal . . . . .	9612389004	9612389104	9612389104
	1	Shaft incl. pin (pos.8) LKH113/LKH113P flushed shaft seal . . . . .	9612389005	9612389105	9612389105
	1	Shaft incl. pin (pos.8) LKH114/LKH114P flushed shaft seal . . . . .	9612389006	9612389106	9612389106
10	1	Connex pin . . . . .	9611990622	9611990622	9611990622
14	1	Retaining ring . . . . .	9611992307		
17	1	Safety guard set . . . . .	9614077412	9614077409	9614077409
16	1	Screw for safety guard . . . . .	9611993239	9611993239	9611993239
18	1	Adaptor . . . . .	9612343001	9612343101	9612343102
19	4	Screw for adaptor . . . . .	9611994413	9611994414	9611994414
8	4	Washer for adaptor . . . . .	9611994417	9611994417	9611994417
70	1	Leg bracket . . . . .	481663	481665	481669



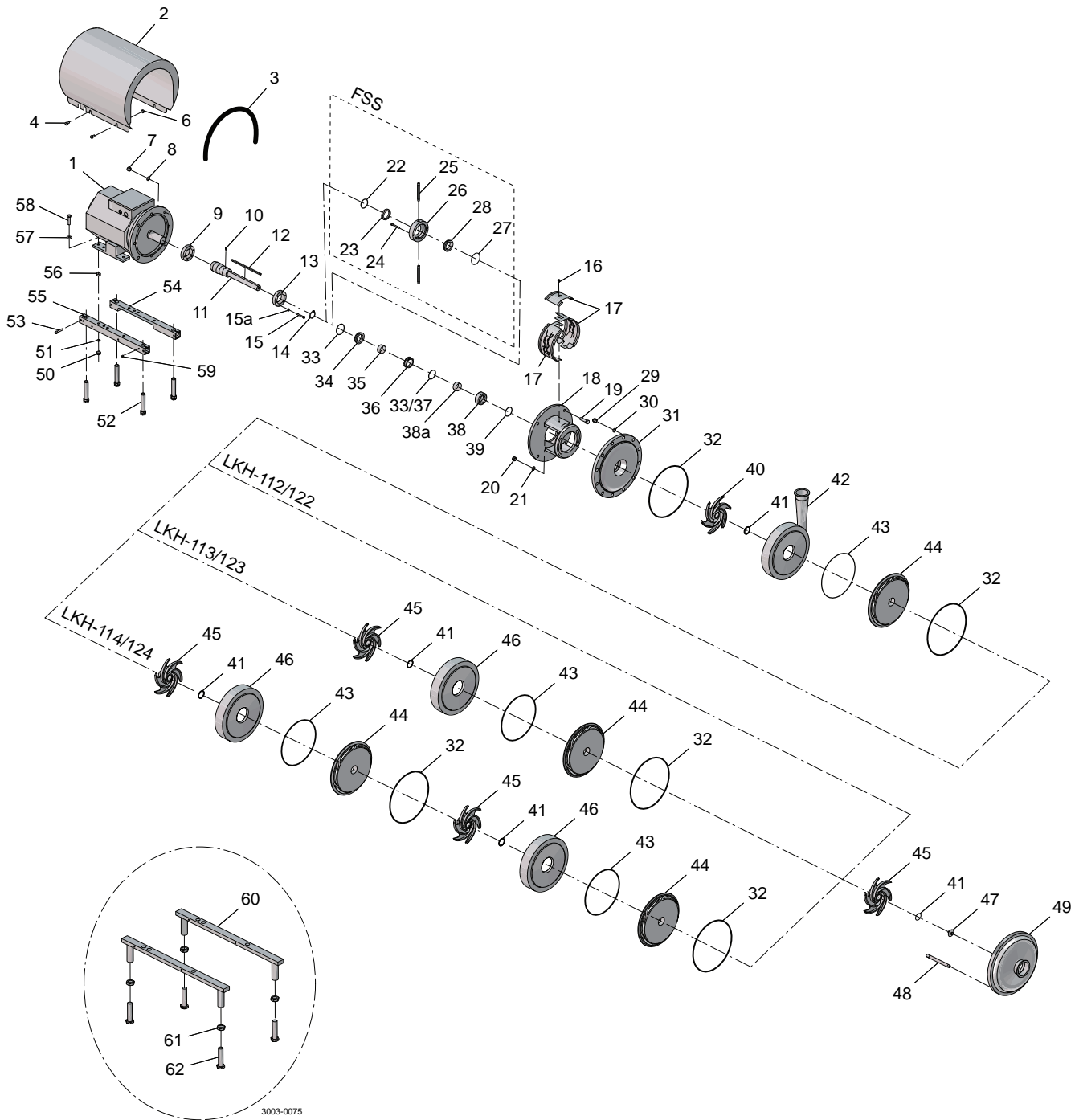
Pos	Qty	Denomination	LKH- 122/123/124 40-50 Hp	LKH- 122/123/124 60-75Hp	LKH- 122/123/124 100Hp
9	1	Compression ring with thread	9612133604	9612133604	9612133607
13	1	Compression ring without thread	9612133704	9612133704	9612133707
15	6	Screw	9611993198	9611993198	9611993266
15a	6	Washer	9611993199	9611993199	9611993199
11	1	Shaft incl. pin (pos.8) LKH122	9612601201	9612601201	
	1	Shaft incl. pin (pos.8) LKH123	9612601202	9612601202	9612601302
	1	Shaft incl. pin (pos.8) LKH124	9612601203	9612601203	9612601303
10	1	Connex pin	9611990622	9611990622	9611990622
17	1	Safety guard set	9614077409	9614077409	9614077409
16	1	Screw for safety guard	9611993239	9611993239	9611993239
18	1	Adaptor	9612342602	9612342602	9612342602
19	4	Screw for adaptor	9611994415	9611994415	9611994415
8	4	Washer for adaptor	9611994418	9611994418	9611994418
70	1	Leg bracket	9634056195	9634056195	9634056195

Pos	Qty	Denomination	7.5Hp	10Hp	15Hp	20Hp	25Hp	30Hp
1	1	Motor	213TC	215TC	254TC	256TC	284TSC	286TSC

Pos	Qty	Denomination	40Hp	50Hp	60Hp	75Hp	100Hp
1	1	Motor	324TSC	326TSC	364TSC	365TSC	405TSC

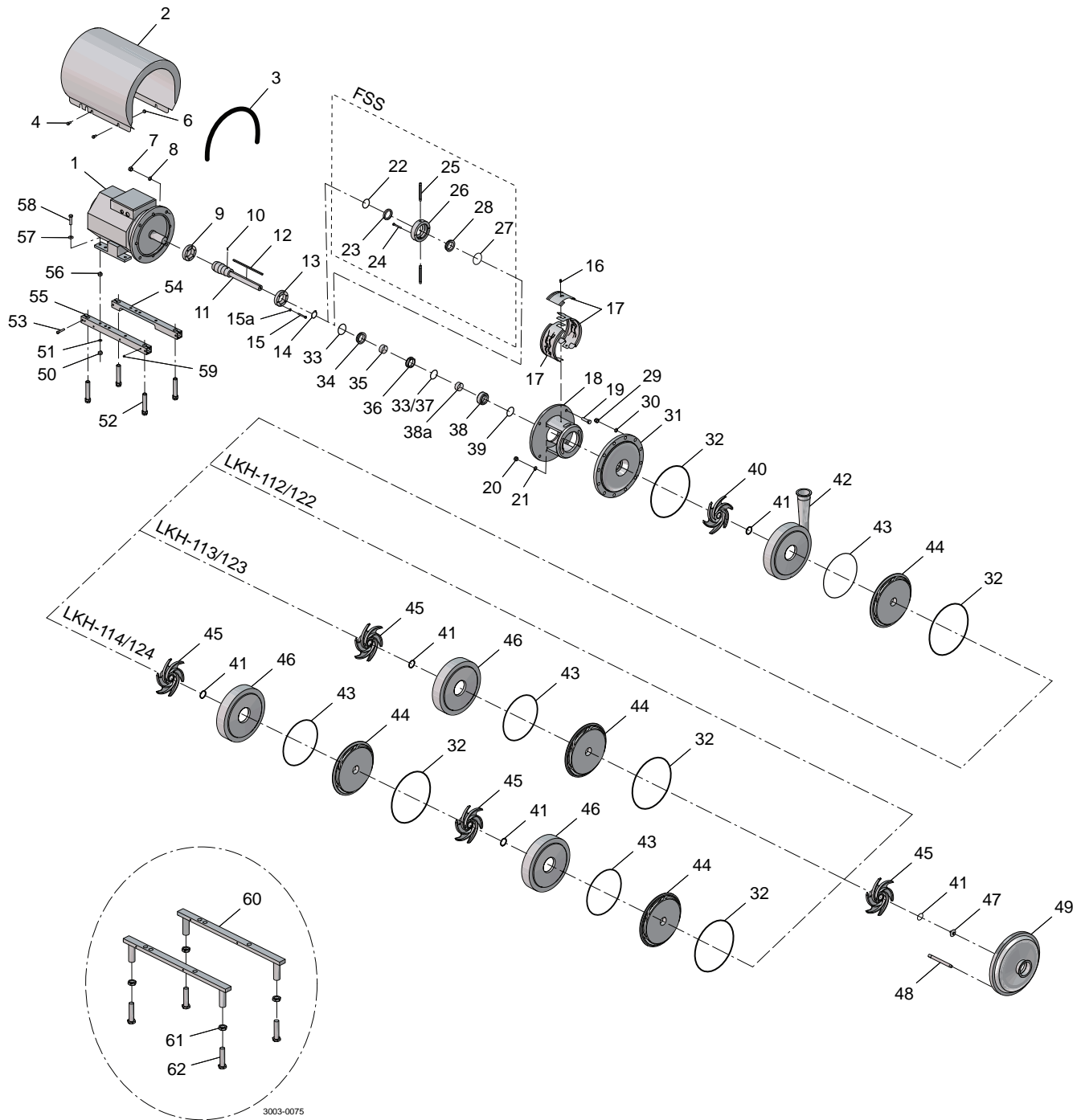
3 ~, 50 Hz, 230VD/400-415VY - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW

3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW





Pos	Qty	Denomination	LKH-	
			112/113/114 LKH-112P/ 113P/114P	LKH- 122/123/124
60	1	Set of 8 springs for rotating sealhousing (incl. In pos 38) . . . . .	9611995848	9911995849
35	1	Spacing ring . . . . .	9612362501	9612362503
38	1	Rotating seal housing . . . . .	9612362401	9612604501
<b>Parts for flushed shaft seal</b>				
22	◆○	1 O-ring, EPDM . . . . .	9611992754	9611993586
23	◆○	1 Sleeve . . . . .		
24		2 Screw . . . . .	9611990203	9611994038
25		2 Tube . . . . .	9612358901	9612358909
26		1 Seal housing, for flushed seal . . . . .	9612362601	9612362603
27	◆○	1 O-ring, EPDM . . . . .	9611992753	9611992753
28	◆○	1 Lip seal . . . . .	9611992860	9611993587



Pos	Qty	Denomination	LKH- 112/113/114, LKH-112P/ 113P/114P EPDM	LKH- 112/113/114, LKH-112P/ 113P/114P NBR	LKH- 112/113/114, LKH-112P/ 113P/114P FPM
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**Single shaft seal C/SIC**

□○		Shaft seal complete	9612362201	9612362202	9612362203
33	1	O-ring			
34	1	Stationary seal ring, Sic.			
36	1	Rotating seal ring, Carbon			
37	1	Quad ring			
38a	1	Support ring, PTFE			
39	1	Quad ring			

**Single shaft seal SiC/SIC**

◆■		Shaft seal complete	9612362204	9612362205	9612362206
33	1	O-ring			
34	1	Stationary seal ring, Sic.			
36	1	Rotating seal ring, SIC			
37	1	Quad ring			
38a	1	Support ring, PTFE			
39	1	Quad ring			

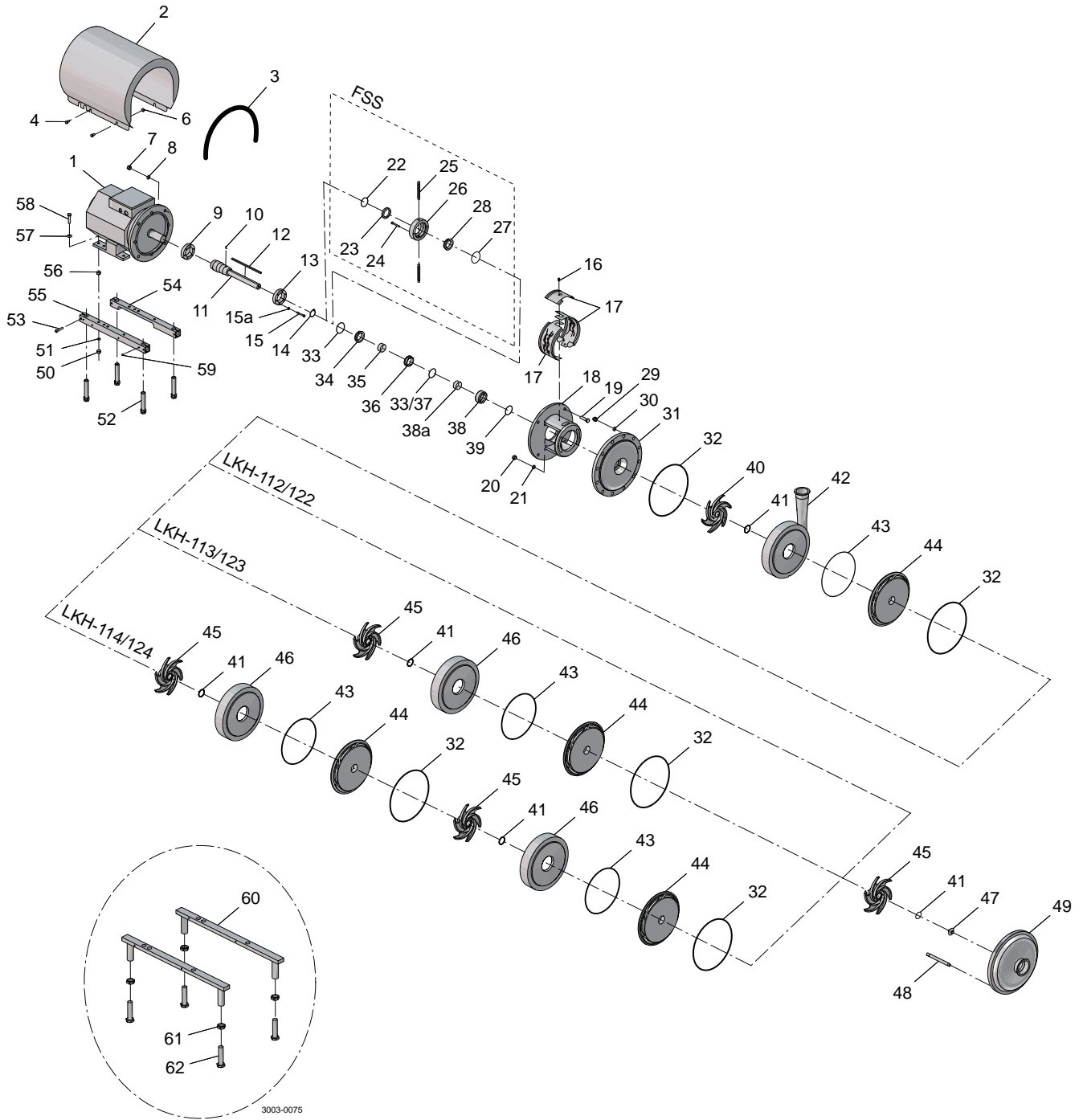
Pos	Qty	Denomination	LKH- 122/123/124, EPDM	LKH- 122/123/124, NBR	LKH- 122/123/124, FPM
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**Single shaft seal C/SIC**

□○		Shaft seal complete	9612602401	9612602402	
33	1	O-ring, EPDM			
34	1	Stationary seal ring, Sic.			
36	1	Rotating seal ring, Carbon			
37	1	Quad ring			
38a	1	Support ring, PTFE			
39	1	Quad ring			
33	1	O-ring (EPDM)			

**Single shaft seal SiC/SIC**

◆■		Shaft seal complete	9612602404	9612602405	
33	1	O-ring, EPDM			
34	1	Stationary seal ring, Sic.			
36	1	Rotating seal ring, SIC			
37	1	Quad ring			
38a	1	Support ring, PTFE			
39	1	Quad ring			
33	1	O-ring (EPDM)			

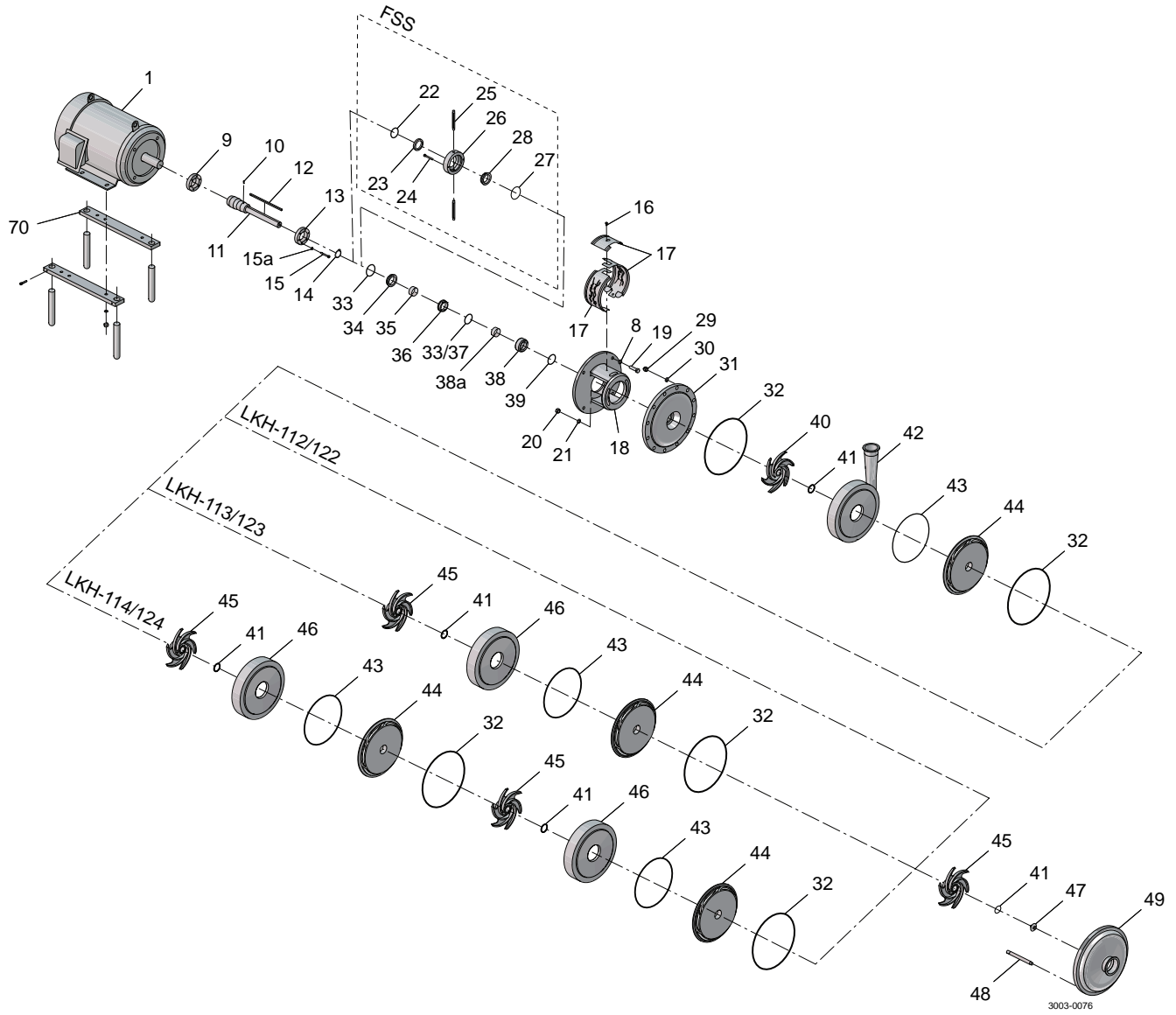


		EPDM	NBR
<b>Service kit for single shaft seal C/SIC</b>			
□	Service kit C/SIC LKH-112/ LKH-112P .....	9611922096	9611922097
	Service kit C/SIC LKH-113/ LKH-113P .....	9611922102	9611922103
	Service kit C/SIC LKH-114/ LKH-114P .....	9611922108	9611922109
	Service kit C/SIC LKH-122 .....	9611922409	9611922410
	Service kit C/SIC LKH-123 .....	9611922934	9611922935
	Service kit C/SIC LKH-124 .....	9611922679	9611922941
<b>Service kit for single shaft seal SIC/SIC</b>			
■	Service kit SIC/SIC LKH-112/ LKH-112P .....	9611922655	9611922656
	Service kit SIC/SIC LKH-113/ LKH-113P .....	9611922661	9611922662
	Service kit SIC/SIC LKH-114/ LKH-114P .....	9611922667	9611922668
	Service kit SIC/SIC LKH-122 .....	9611922673	9611922674
	Service kit SIC/SIC LKH-123 .....	9611922679	9611922680
	Service kit SIC/SIC LKH-124 .....	9611922685	9611922686
<b>Service kit for flushed shaft seal C/SIC</b>			
○	Service kit C/SIC LKH-112/ LKH-112P .....	9611922099	9611922100
	Service kit C/SIC LKH-113/ LKH-113P .....	9611922105	9611922106
	Service kit C/SIC LKH-114/ LKH-114P .....	9611922111	9611922112
	Service kit C/SIC LKH-122 .....	9611922412	9611922413
	Service kit C/SIC LKH-123 .....	9611922937	9611922938
	Service kit C/SIC LKH-124 .....	9611922943	9611922944
<b>Service kit for flushed shaft seal SIC/SIC</b>			
◆	Service kit SIC/SIC LKH-112/ LKH-112P .....	9611922658	9611922659
	Service kit SIC/SIC LKH-113/ LKH-113P .....	9611922664	9611922665
	Service kit SIC/SIC LKH-114/ LKH-114P .....	9611922670	9611922671
	Service kit SIC/SIC LKH-122 .....	9611922676	9611922677
	Service kit SIC/SIC LKH-123 .....	9611922682	9611922683
	Service kit SIC/SIC LKH-124 .....	9611922688	9611922689

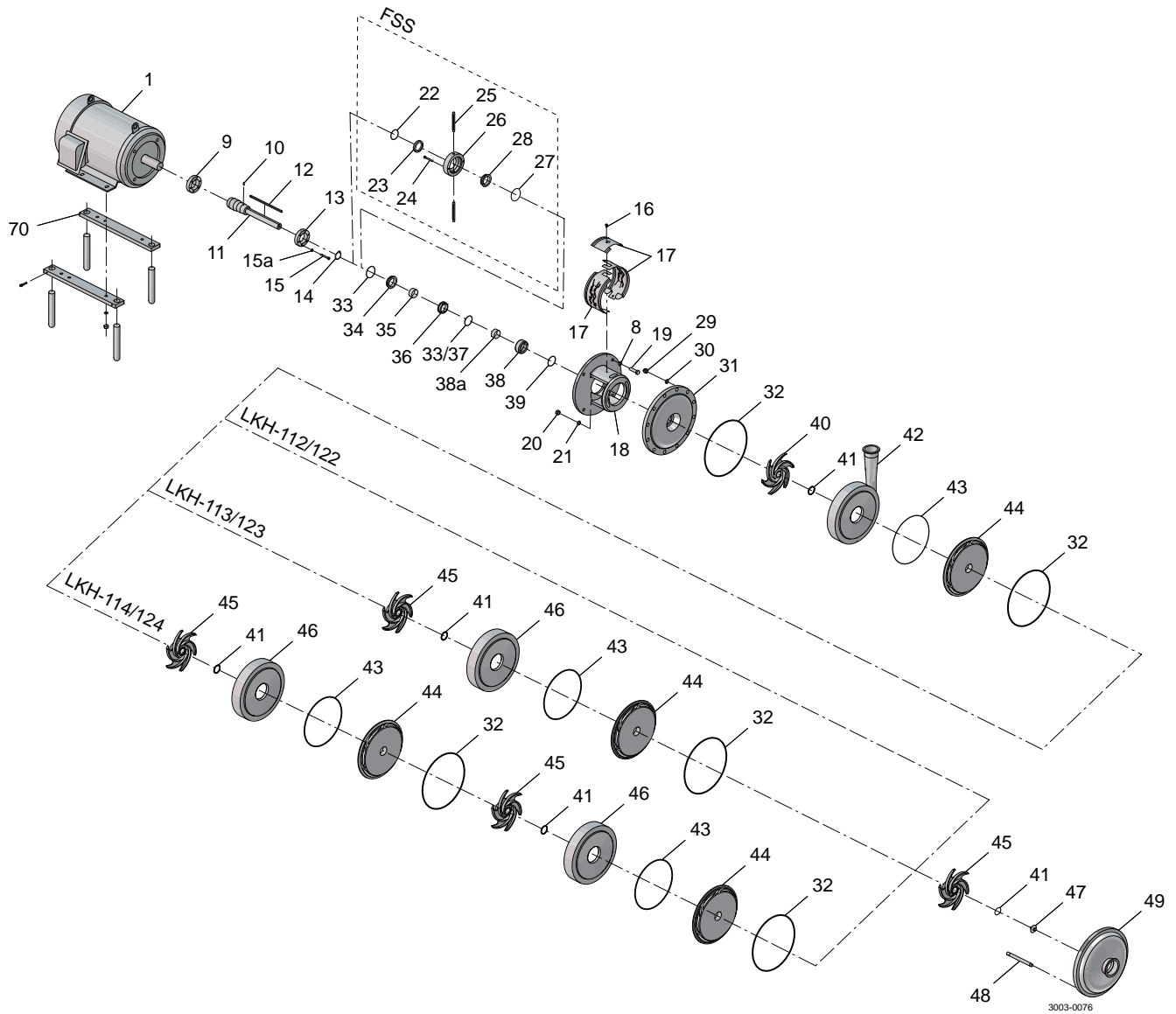
Parts marked with □◆○■ are included in the service kits.

Recommended Spare Parts: Service kits. (900732/3)

Conversion single to flushed shaft seal : Please order Flushed service kit + pos. 24+25+26

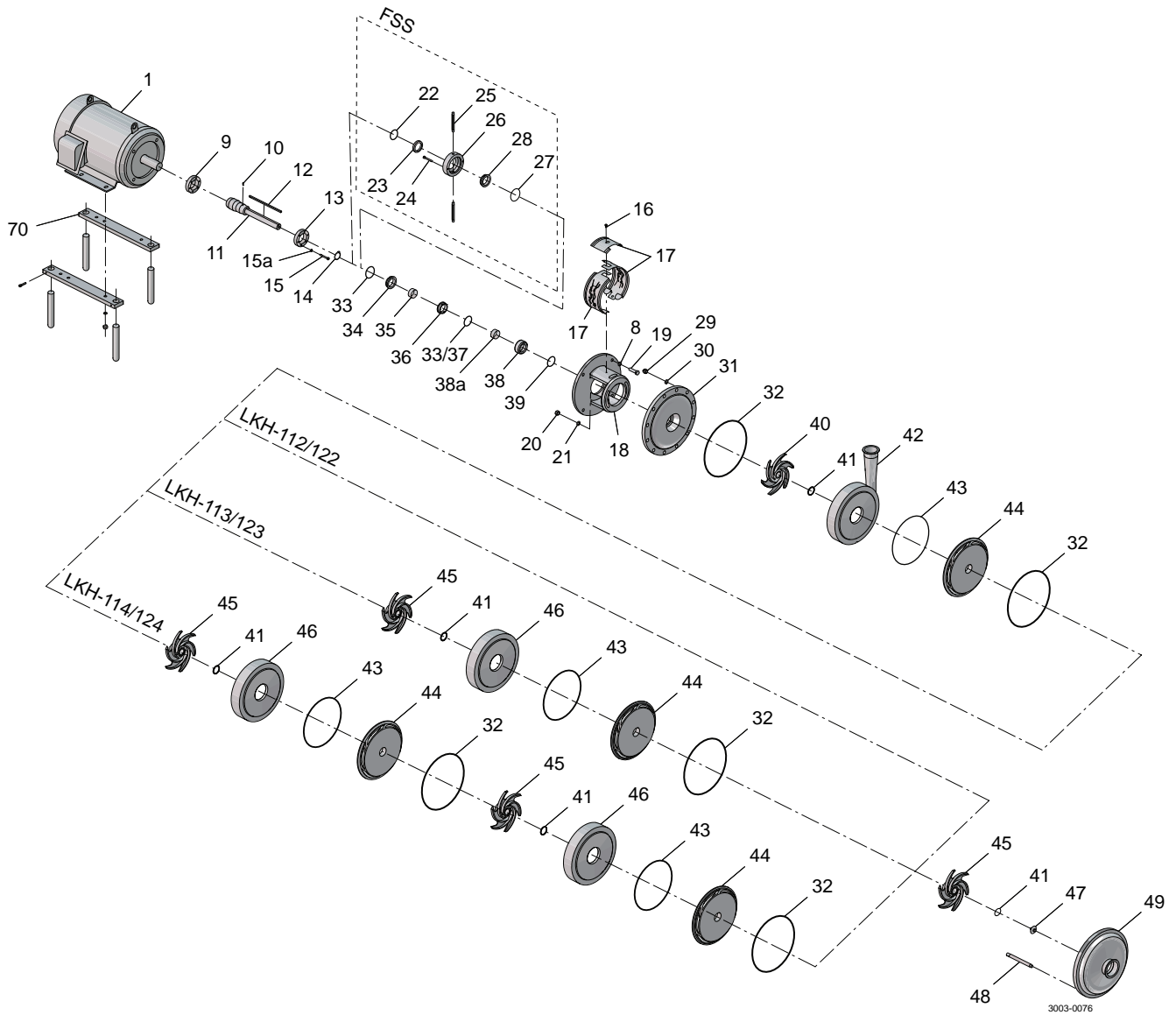


Pos	Qty	Denomination	LKH- 112/113/114, LKH- 112P/113P/114P	LKH- 122/123/124
60	1	Set of 8 springs for rotating sealhousing (incl. In pos 38) . . . . .	9611995848	9611995849
35	1	Spacing ring . . . . .	9612362501	9612362503
38	1	Rotating seal housing . . . . .	9612362401	9612604501
<b>Parts for flushed shaft seal</b>				
22	♦○	1 O-ring EPDM . . . . .	9611992754	9611993586
23	♦○	1 Sleeve . . . . .		
24		2 Screw . . . . .	9611990203	9611994038
25		2 Tube . . . . .	9612358901	9612358909
26		1 Seal housing for flushed seal . . . . .	9612362601	9612362603
27	♦○	1 O-ring, EPDM . . . . .	9611992753	9611992753
28	♦○	1 Lip seal . . . . .	9611992860	9611993587

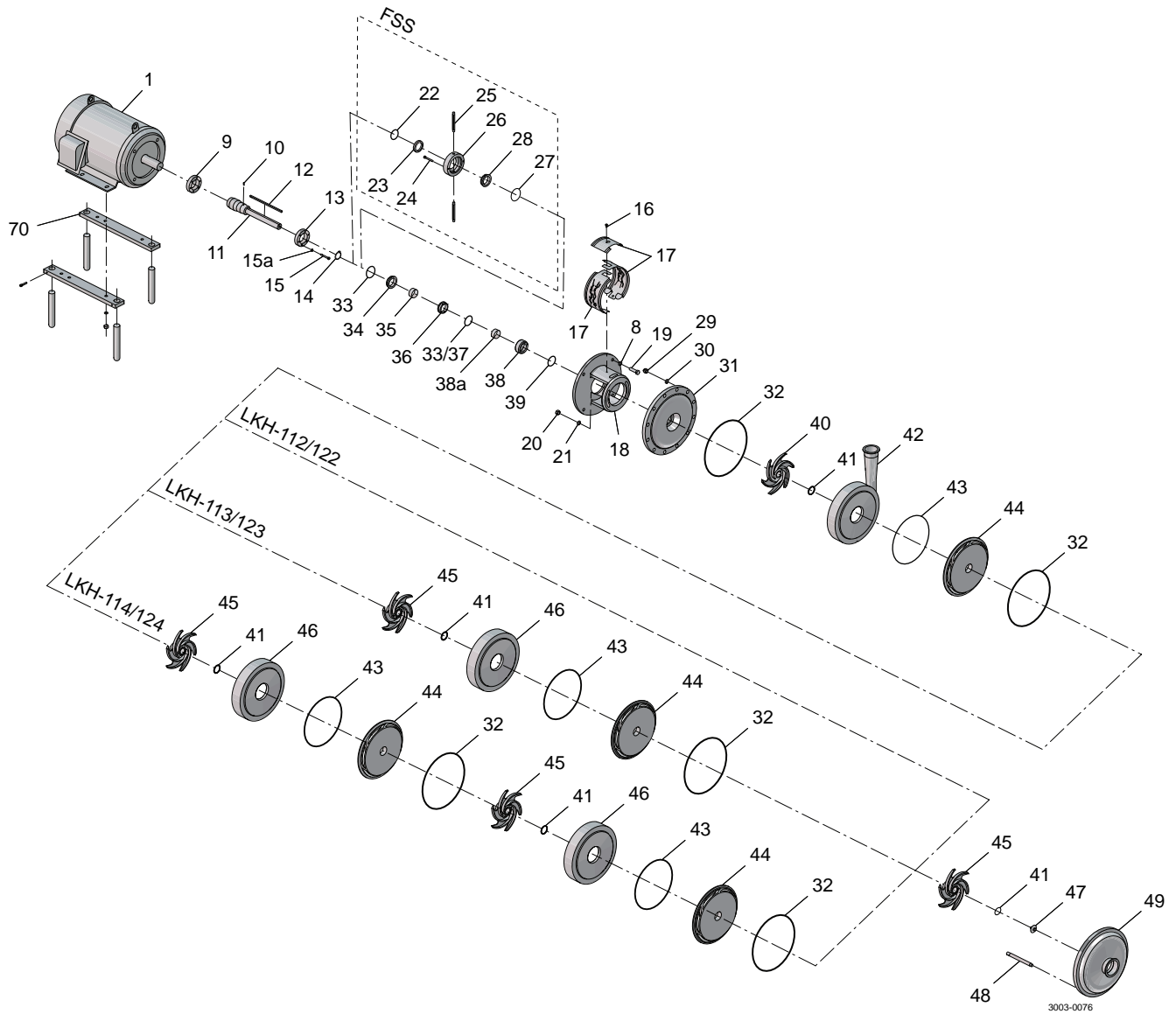




Pos	Qty	Denomination	LKH-112/113/114, LKH-112P/113P/114P EPDM	LKH-112/113/114, LKH-112P/113P/114P NBR	LKH-112/113/114, LKH-112P/113P/114P FPM
<b>Single shaft seal C/SIC</b>					
	□○	Shaft seal complete	9612362201	9612362202	9612362203
33	1	O-ring, EPDM			
34	1	Stationary seal ring, Sic			
36	1	Rotating seal ring, Carbon			
37	1	Quad ring, EPDM			
38a	1	Support ring, PTFE			
39	1	Quad ring, EPDM			
<b>Single shaft seal SIC/SIC</b>					
	◆■	Shaft seal complete	9612362204	9612362205	9612362206
33	1	O-ring, EPDM			
34	1	Stationary seal ring, Sic			
36	1	Rotating seal ring, Carbon			
37	1	Quad ring, EPDM			
38a	1	Support ring, PTFE			
39	1	Quad ring, EPDM			



Pos	Qty	Denomination	LKH- 122/123/124 EPDM	LKH- 122/123/124 NBR	LKH- 122/123/124 FPM
<b>Single shaft seal C/SIC</b>					
		□○ Shaft seal complete . . . . .	9612602401	9612602402	
33	1	O-ring, EPDM . . . . .			
34	1	Stationary seal ring, Sic . . . . .			
36	1	Rotating seal ring, Carbon . . . . .			
38a	1	Support ring, PTFE . . . . .			
39	1	Quad ring, EPDM . . . . .			
33	1	O-ring, EPDM . . . . .			
<b>Single shaft seal SIC/SIC</b>					
		◆■ Shaft seal complete . . . . .	9612602404	9612602405	
33	1	O-ring, EPDM . . . . .			
34	1	Stationary seal ring, Sic . . . . .			
36	1	Rotating seal ring, Carbon . . . . .			
38a	1	Support ring, PTFE . . . . .			
39	1	Quad ring, EPDM . . . . .			
33	1	O-ring, EPDM . . . . .			



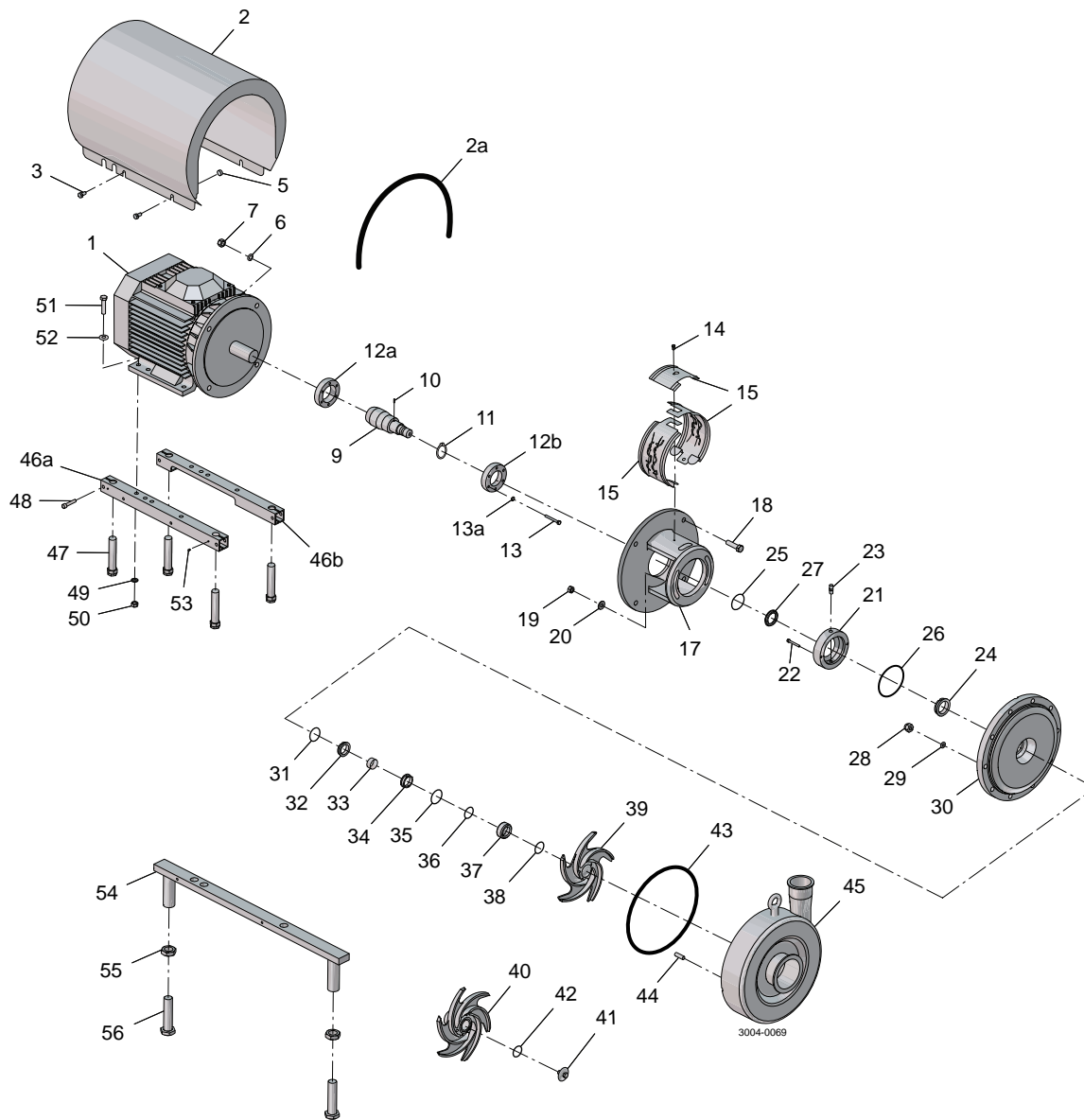
		EPDM	NBR	FPM
<b>Service kit for single shaft seal C/SIC</b>				
□	Service kit C/SIC LKH-112/ LKH-112P .....	9611922096	9611922097	
	Service kit C/SIC LKH-113/ LKH-113P .....	9611922102	9611922103	
	Service kit C/SIC LKH-114/ LKH-114P .....	9611922108	9611922109	
	Service kit C/SIC LKH-122 .....	9611922409	9611922410	
	Service kit C/SIC LKH-123 .....	9611922934	9611922935	
	Service kit C/SIC LKH-124 .....	9611922679	9611922680	
<b>Service kit for single shaft seal SIC/SIC</b>				
■	Service kit SIC/SIC LKH-112/ LKH-112P .....	9611922655	9611922656	
	Service kit SIC/SIC LKH-113/ LKH-113P .....	9611922661	9611922662	
	Service kit SIC/SIC LKH-114/ LKH-114P .....	9611922667	9611922668	
	Service kit SIC/SIC LKH-122 .....	9611922673	9611922674	
	Service kit SIC/SIC LKH-123 .....	9611922679	9611922680	
	Service kit SIC/SIC LKH-124 .....	9611922685	9611922686	
<b>Service kit for flushed shaft seal C/SIC</b>				
○	Service kit C/SIC LKH-112/ LKH-112P .....	9611922099	9611922100	
	Service kit C/SIC LKH-113/ LKH-113P .....	9611922105	9611922106	
	Service kit C/SIC LKH-114/ LKH-114P .....	9611922111	9611922112	
	Service kit C/SIC LKH-122 .....	9611922412	9611922413	
	Service kit C/SIC LKH-123 .....	9611922937	9611922938	
	Service kit C/SIC LKH-124 .....	9611922943	9611922944	
<b>Service kit for flushed shaft seal SIC/SIC</b>				
◆	Service kit SIC/SIC LKH-112/ LKH-112P .....	9611922658	9611922659	
	Service kit SIC/SIC LKH-113/ LKH-113P .....	9611922664	9611922665	
	Service kit SIC/SIC LKH-114/ LKH-114P .....	9611922670	9611922671	
	Service kit SIC/SIC LKH-122 .....	9611922676	9611922677	
	Service kit SIC/SIC LKH-123 .....	9611922682	9611922683	
	Service kit SIC/SIC LKH-124 .....	9611922688	9611922689	

Parts marked with □◆○■ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion single to flushed shaft seal : Please order Flushed service kit + pos. 24+25+26

(900731/3)



Pos	Qty	Denomination	LKHPF-10 IEC90-IEC112	LKHPF-20 IEC90-IEC132	LKHPF-25 IEC112-IEC160	LKHPF-35 IEC112-IEC160	LKHPF-40 IEC132-IEC180
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**Pump casing std. blasted**

45	1	Pump casing compl., Flange	9612484030	9612484031	9612511721	9612511722	9612484032
	1	Pump casing compl., Clamp	9612484035	9612484036	9612511724	9612511725	8010018572

Pos	Qty	Denomination	LKHPF-45 IEC112-IEC160	LKHPF-50 IEC132-IEC180	LKHPF-60 IEC132-IEC200	LKHPF-70 IEC180-IEC250
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45	1	Pump casing compl., Flange	9612511723	9612484033	9612484034	9612484026
	1	Pump casing compl., Clamp	9612511726	9612484038	9612484039	9612484027

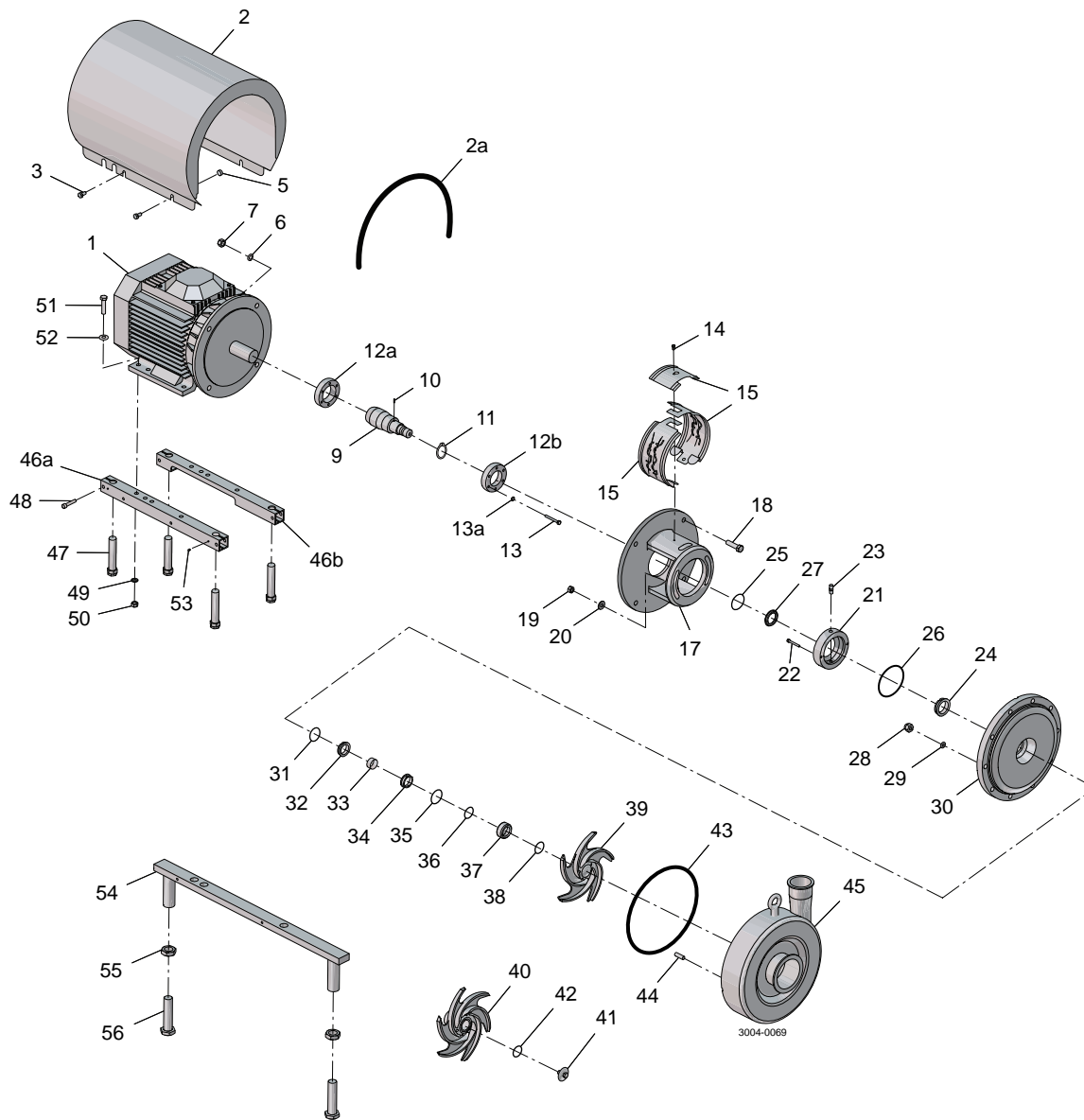
Pos	Qty	Denomination	LKHPF-10 IEC90-IEC112	LKHPF-20 IEC90-IEC132	LKHPF-25 IEC112-IEC160	LKHPF-35 IEC112-IEC160	LKHPF-40 IEC132-IEC180
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**Pump casing Mech Ra ≤ 0.8**

45	1	Pump casing compl., Flange	9612484040	9612484041	9612511727	9612511728	9612484042
	1	Pump casing compl., Clamp	9612484045	9612484046	9612511730	9612511731	8010018573

Pos	Qty	Denomination	LKHPF-45 IEC112-IEC160	LKHPF-50 IEC132-IEC180	LKHPF-60 IEC132-IEC200	LKHPF-70 IEC180-IEC250
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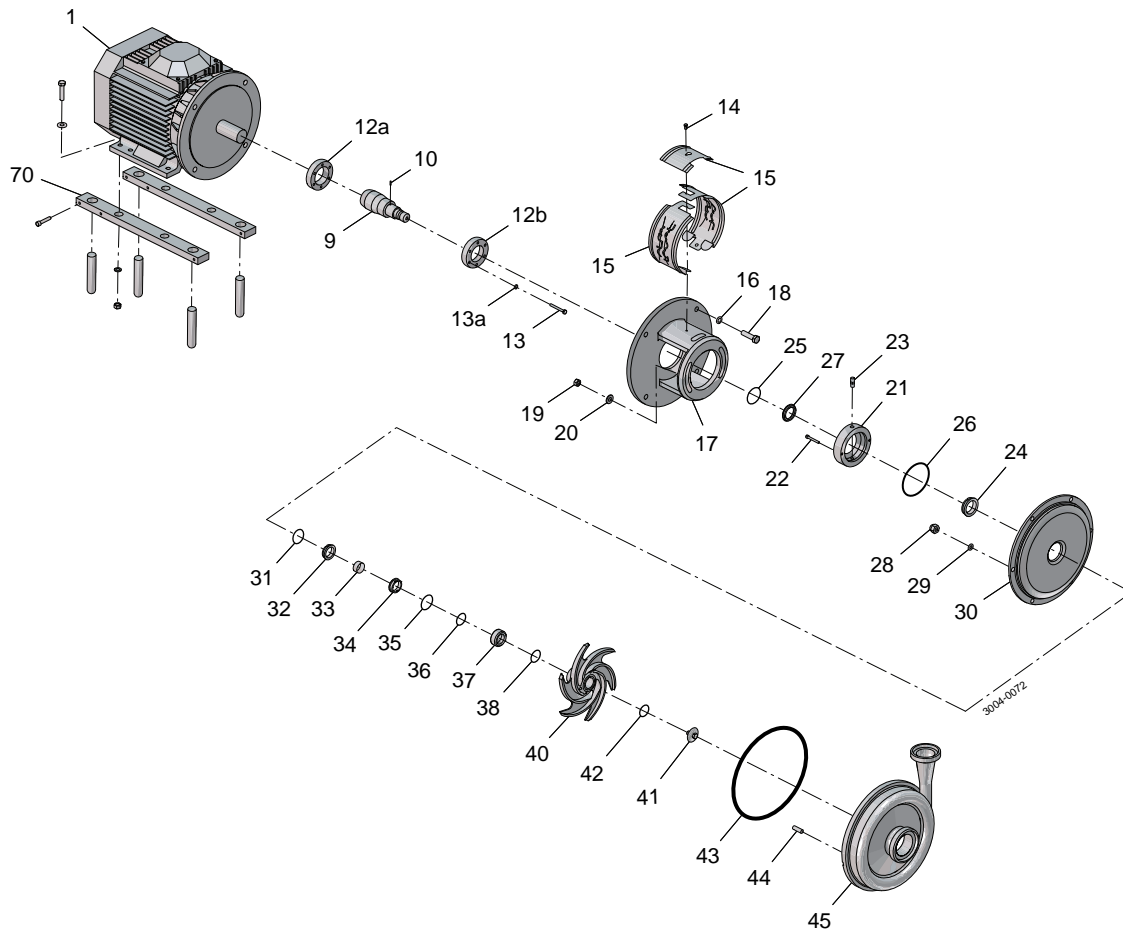
45	1	Pump casing compl., Flange	9612511729	9612484043	9612484044	9612484028
	1	Pump casing compl., Clamp	9612511732	9612484048		9612484029





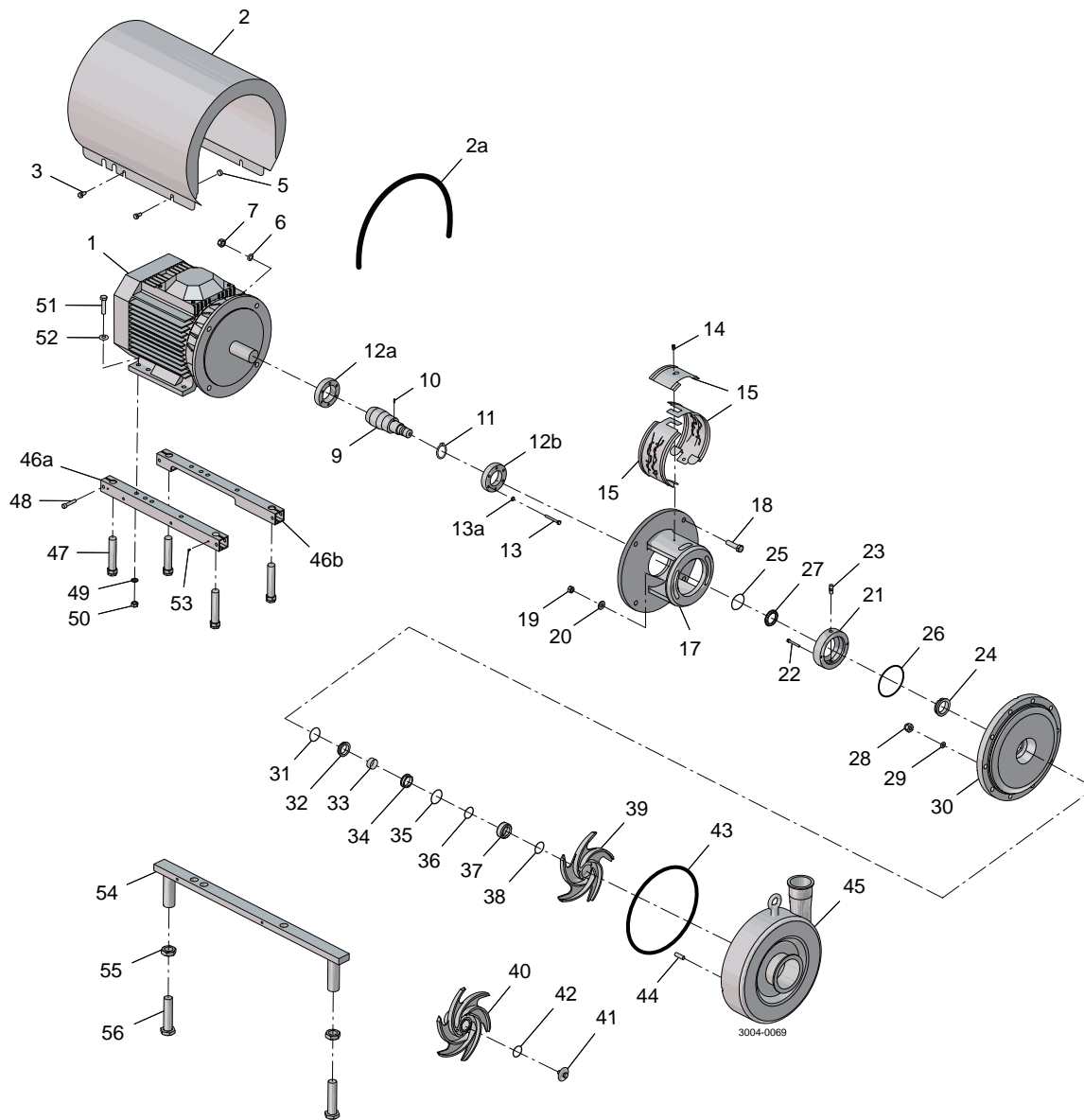
Pos	Qty	Denomination	LKHPF-10	LKHPF-20	LKHPF-25	LKHPF-35	LKHPF-40
			IEC90-IEC112	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160	IEC132-IEC180
19	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559
28	10	Cap nut	9611992593	9611992593	22185115	22185115	
	12	Cap nut					22185115
29	10	Washer	9611991887	9611991887	9611990676	9611990676	
	12	Washer					9611990676
30	1	Back plate, std. blasted	9612483741	9612483738	9612483739	9612483739	9612483740
	1	Back plate, Mech Ra ≤ 0.8	9612483741	9612483742	9612483743	9612483743	9612483744
39	1	Impeller, std. blasted	9612408101	9612408201	9612510301	9612510401	
	1	Impeller, Mech Ra ≤ 0.8	9612408105	9612408205	9612510305	9612510405	
40	1	Impeller for impeller screw, std. blasted	9612408102	9612408202	9612510302	9612510402	9612408402
	1	Impeller for impeller, Mech Ra ≤ 0.8	9612408106	9612408206	9612510306	9612510406	9612408406
41	1	Impeller screw, std. blasted	9612139601	9612139601	9612139601	9612139601	9612139601
	1	Impeller screw, Mech Ra ≤ 0.8	9612139603	9612139603	9612139603	9612139603	9612139603
42	◆★	O-ring, EPDM (standard)	9611992145	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146	9611992146
	1	Set of 5 O-rings EPDM for impellerscrew (pos 42)					
43	□◆○★	O-ring, EPDM (standard)	8010023161	8010023161	8010023161	8010023161	8010023161
	1	O-ring, NBR	9611992137	9611992141	9611992983	9611992983	9611992171
	1	O-ring, FPM	9611992139	9611992143	9611992984	9611992984	9611992173
	1	Set of 5 O-rings EPDM for pumpcasing (pos 43)					
44	10	Bolt	8010023153	8010023154	8010023155	8010023155	
	12	Bolt	9611995162	9611995162	9611995085	9611995085	9611995085

Pos	Qty	Denomination	LKHPF-45	LKHPF-50	LKHPF-60	LKHPF-70
			IEC112-IEC160	IEC132-IEC180	IEC132-IEC200	IEC180-IEC250
19	2	Nut	9611990353	9611990353	9611990353	
	4	Nut				9611990353
20	2	Washer	9611992559	9611992559	9611992559	
	4	Washer				9611992559
28	10	Cap nut	22185115			
	12	Cap nut		22185115	22185115	
	18	Cap nut				22185115
29	10	Washer	9611990676			
	12	Washer		9611990676	9611990676	
	18	Washer				9611990676
30	1	Back plate, std. blasted	9612483739	9612483740	9612483740	9612483719
	1	Back plate, Mech Ra ≤ 0.8	9612483743	9612483744	9612483744	9612483720
39	1	Impeller, std. blasted	9612510501	9612408501	9612408601	
	1	Impeller, Mech Ra ≤ 0.8	9612510505	9612408505	9612408605	
40	1	Impeller for impeller screw, std. blasted	9612510502	9612408502	9612408602	9613425501
	1	Impeller for impeller, Mech Ra ≤ 0.8	9612510506	9612408506	9612408606	9613425503
41	1	Impeller screw, std. blasted	9612139601	9612139601	9612139601	9612927101
	1	Impeller screw, Mech Ra ≤ 0.8	9612136903	9612139603	9612139603	9612927102
42	□◆○★	O-ring, EPDM (standard)	9611992145	9611992145	9611992145	9611993215
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611993216
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611993217
	1	Set of 5 O-rings EPDM for impellerscrew (pos 42)				
43	□◆○★	O-ring, EPDM (standard)	8010023161	8010023161	8010023161	8010023162
	1	O-ring, NBR	9611992983	9611992171	9611992171	9611993211
	1	O-ring, FPM	9611992984	9611992173	9611992173	9611993212
	1	Set of 5 O-rings EPDM for pumpcasing (pos 43)				
44	10	Bolt	8010023155	8010023156	8010023156	8010023157
	12	Bolt		9611995085	9611995085	9611995085
	18	Bolt				9611995085



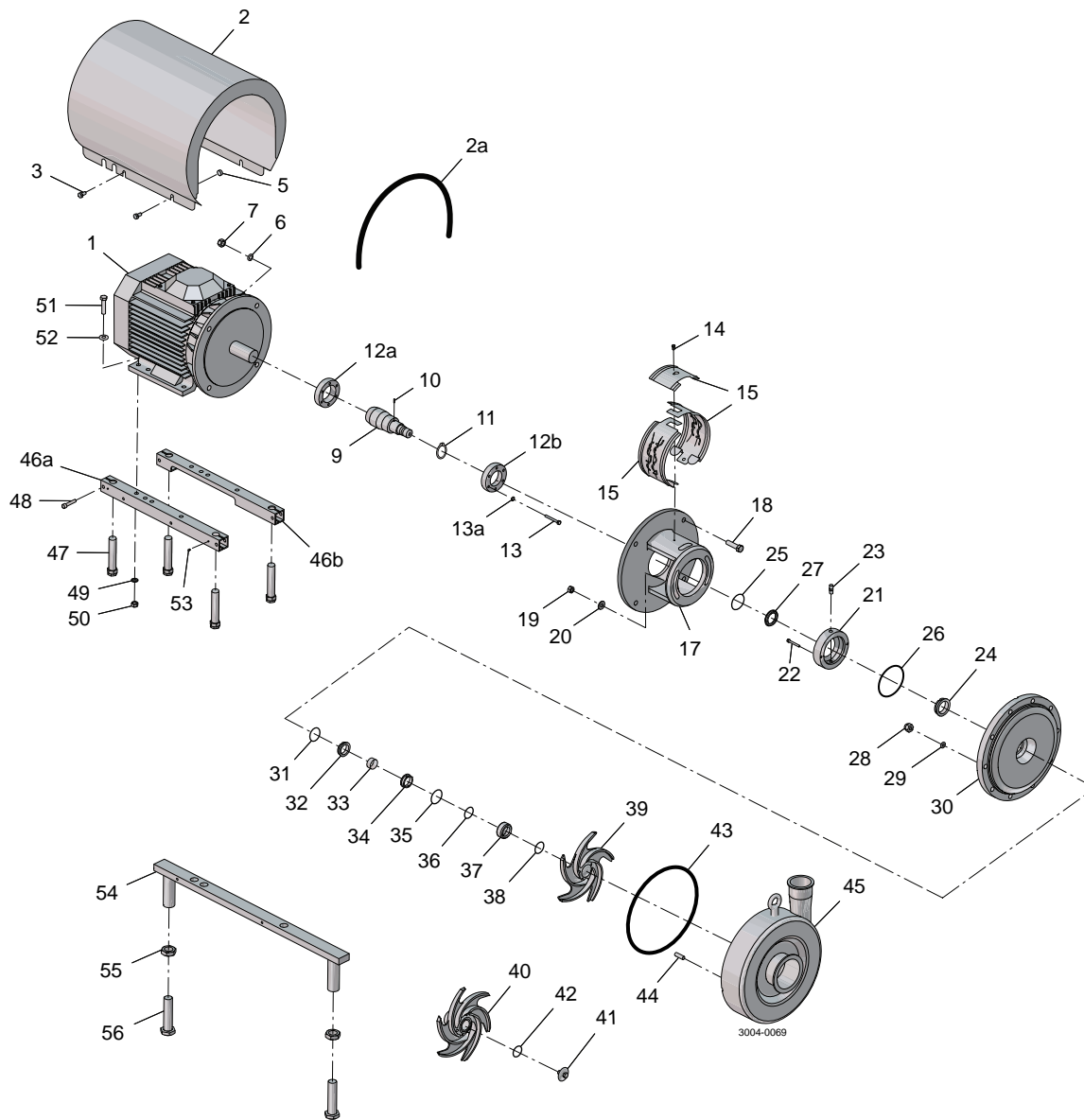
Pos	Qty	Denomination	LKHPF-10 7.5 Hp	LKHPF-20 7.5-10 Hp	LKHPF-25 7.5-20 Hp	LKHPF-35 7.5-20 HP	LKHPF-40 10-30 Hp
<b>Pump Casing Polished Ra ≤ 32</b>							
19	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559
28	10	Cap nut	9611992593	9611992593	22185115	22185115	
	12	Cap nut					22185115
29	10	Washer	9611991887	9611991887	9611990676	9611990676	
	12	Washer					9611990676
30	1	Back plate, 2 pins Mech Ra ≤ 0.8	9612483741	9612483742	9612483743	9612483743	9612483744
40	1	Impeller, polished Ra ≤ 32	9612408106	9612408206	9612510306	9612510406	9612408406
41	1	Impeller screw, polished Ra ≤ 32	9612139603	9612139603	9612139603	9612136903	9612139603
42	1	O-ring, EPDM (standard)	9611992145	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146	9611992146
	1	Set of 5 O-rings EPDM for impellerscrew (pos 42)	8010023161	8010023161	8010023161	8010023161	8010023161
43	1	O-ring, EPDM (standard)	9611992137	9611992141	9611992983	9611992983	9611992171
	1	O-ring, NBR	9611992139	9611992143	9611992984	9611992984	9611992173
	1	O-ring, FPM	9611992138	9611992142	9611992985	9611992985	9611992172
	1	Set of 5 O-rings EPDM for pumpcasing (pos 43)	8010023153	8010023154	8010023155	8010023155	8010023156
44	10	Bolt	9611995162	9611995162	9611995085	9611995085	
	12	Bolt					9611995085
45	1	Pump casing compl., Tri-clamp Ra ≤ 32	9612484045	9612484046	9612511730	9612511731	9612484047

Pos	Qty	Denomination		LKHPF-45 7.5-20 Hp	LKHPF-50 7.5-30 Hp	LKHPF-60 7.5-60 Hp	LKHPF-70 40-100 Hp
<b>Pump Casing Polished Ra ≤ 32</b>							
19	2	Nut		9611990353	9611990353	9611990353	
	4	Nut					9611990353
20	2	Washer		9611992559	9611992559	9611992559	
	4	Washer					9611992559
28	10	Cap nut		22185115			
	12	Cap nut			22185115	22185115	
	18	Cap nut					22185115
29	10	Washer		9611990676			
	12	Washer			9611990676	9611990676	
	18	Spring washer					9611990676
30	1	Back plate, 2 pins Mesh Ra ≤ 0.8		9612483743	9612483744	9612483744	9612483720
40	1	Impeller, polished Ra ≤ 32		9612510506	9612408506	9612408606	9613425503
41	1	Impeller screw, polished Ra ≤ 32		9612136903	9612139603	9612139603	9612927102
42	1	O-ring, EPDM (standard)		9611992145	9611992145	9611992145	9611993215
	1	O-ring, NBR		9611992147	9611992147	9611992147	9611993216
	1	O-ring, FPM		9611992146	9611992146	9611992146	9611993217
	1	Set of 5 O-rings EPDM for impellerscrew (pos 42)		8010023161	8010023161	8010023161	8010023162
43	1	O-ring, EPDM (standard)		9611992983	9611992171	9611992171	9611993211
	1	O-ring, NBR		9611992984	9611992173	9611992173	9611993212
	1	O-ring, FPM		9611992985	9611992172	9611992172	9611993213
	1	Set of 5 O-rings EPDM for pumpcasing (pos 43)		8010023155	8010023156	8010023156	8010023157
44	10	Bolt		9611995085			
	12	Bolt			9611995085	9611995085	
	18	Stud bolt					9611995085
45	1	Pump casing compl. Tri-clamp Ra ≤ 32		9612511732	9612484048	9612484049	9612484029



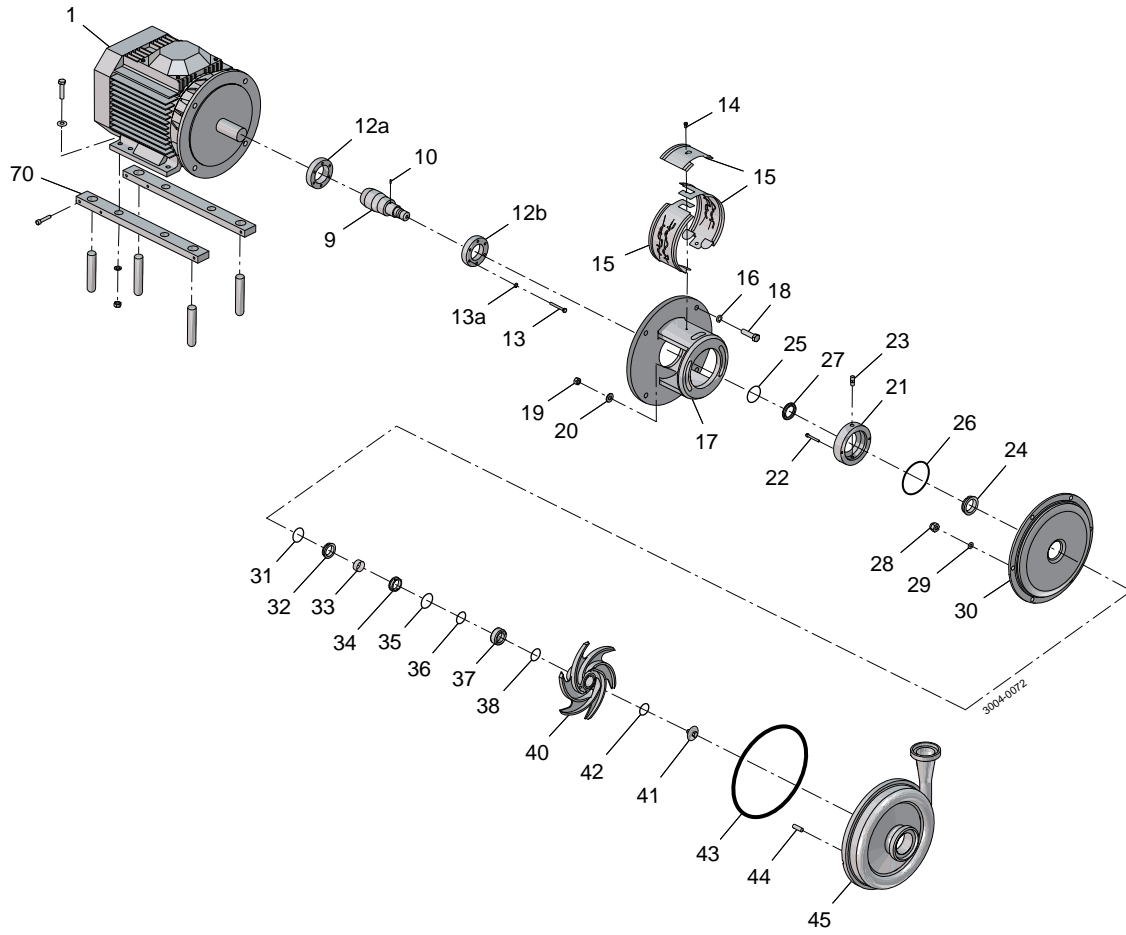
Pos	Qty	Denomination	LKHPF 10-60 IEC90	LKHPF 10-60 IEC112	LKHPF 10-60 IEC132	LKHPF 10-60 IEC160	LKHPF 10-60 IEC180	LKHPF 10-60 IEC200
2	1	Shroud	9612139001	9614192203	9612139008	9612139005	9612139006	9612593801
3	4	Screw	9611993240	9611993240	9611993240	9611993241	9611993243	9611993243
5	4	Distance sleeve			9611992737	3143803902	3143803901	3143803903
6	4	Washer for adaptor	9611991887	9611990676	9611990676	9611991886	9611991886	9611991886
7	4	Nut for adaptor	9611990353	9611990587	9611990587	9611992160	9611992160	9611992160
9	1	Shaft incl. pin, (pos.10)		9612132502	9612132602	9612132702	9612132802	9612232902
	1	Shaft incl. pin and retaining ring, (pos.10+11)	9612132402					
10	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622	9611990622
11	1	Retaining ring	9611992307					
12a	1	Compression ring with thread	9612133601	9612133602	9612133605	9612133603	9612133604	9612133607
12b	1	Compression ring without thread	9612133701	9612133702	9612133705	9612133703	9612133704	9612133707
13	6	Screw	9611993196	9611993196	9611993197	9611993198	9611993198	9611993198
13a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239	9611993239
15	1	Safety guard set	9614077401	9614077402	9614077403	9614077404	9614077404	9614077405
17	1	Adaptor	9612342301	9612342401	9612342501	9612342601	9612342601	9612342701
18	4	Screw for adaptor	9611992161	9611991834	9611992162	9611992163	9611992164	9611992164
46a	1	Support bar, right	9612132201	9612132205	9612132206	9612132203	9612132204	9612342201
46b	1	Support bar, left	9612132301	9612132305	9612132306	9612132303	9612132304	9612342201
47	4	Leg	9612396701	9612396701	9612396701	9612396701	9612396701	9612396701
48	4	Screw	9611991126	9611991126	9611991126	9611991126	9611991126	9611991907
49	4	Spring washer	9611991888	9611991887	9611991887	9611990676	9611990676	9611991886
50	4	Nut	9611990360	9611990353	9611990353	9611990587	9611990587	9611992160
51	4	Screw	9611993241	9611991911	9611991911	9611991834	9611991834	9611993680
52	4	Washer		9611990786	9611990786	9611990706	9611990706	9611990703
53	4	Pivot screw						9611991763

Pos	Qty	Denomination	LKHPF 70 IEC180	LKHPF 70 IEC200	LKHPF 70 IEC250
2	1	Shroud	9612139006	9612593801	9612593804
3	4	Screw	9611993243	9611993243	9611993242
5	4	Distance sleeve	3143803901	3143803903	3143803901
6	4	Washer for adaptor	9611991886	9611991886	9611991886
7	4	Nut for adaptor	9611992160	9611992160	9611992160
9	1	Shaft incl. pin, (pos.10)	9612512303	9612512203	9612501003
12a	1	Compression ring with thread	9612133604	9612133607	9612133608
12b	1	Compression ring without thread	9612133704	9612133707	9612133708
13	6	Screw	9611993198	9611993198	9611993266
13a	6	Washer	9611993199	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239	9611993239
15	1	Safety guard set	9614077407	9614077407	9614077408
17	1	Adaptor	9612511901	9612511801	9612500801
18	4	Screw for adaptor	9611992164	9611992164	9611992200
46a	1	Support bar, right	9612132204	9612342201	
46b	1	Support bar, left	9612132304	9612342201	
47	4	Leg	9612396701	9612396701	
48	4	Screw	9611991126	9611991907	
49	4	Spring washer	9611990587	9611992160	9611990935
50	4	Nut	9611990676	9611991886	9611993267
51	4	Screw	9611991834	9611993680	9611993268
52	4	Washer	9611990706	9611990703	9611993269
53	4	Pivot screw		9611991763	
54	2	Leg bracket			9612518401
55	4	Nut for leg			9611993260
56	4	Screw for leg			9612518501



Pos	Qty	Denomination	2.2 kW IEC90	4 kW IEC112	5.5 kW IEC132	7.5 kW IEC132	11 kW IEC160
1	1	Motor ABB, 3000rpm special bearing . . . . .	9614289501	9614289502	9614289503	9614289504	9614289505
Pos	Qty	Denomination	15 kW IEC160	18.5 kW IEC160	22 kW IEC180	30 kW IEC200	37 kW IEC200
1	1	Motor ABB, 3000rpm special bearing . . . . .	9614289506	9614289507	9614289509	9614289510	9614289511
Pos	Qty	Denomination	45 kW IEC200	55 kW IEC250	75 kW IEC250		
1	1	Motor ABB, 3000rpm special bearing . . . . .	9614289512	9614289513	9614289514		

3 ~, 50 Hz, 230VD/400-415VY - Standard  $\leq$  22 kW and 400-415VD/690VY Standard > 22 kW  
 3 ~, 60 Hz, 440-460VY - Standard  $\leq$  22 kW and 440-460VD Standard > 22 kW





LKHPF -10-60

Pos	Qty	Denomination	7.5-10 Hp	15-20 Hp	25-30 Hp	40-60 Hp
9	1	Shaft and pin (pos.10)	9612133202	9612133302	9612133302	9612133402
10	1	Connex pin	9611990622	9611990622	9611990622	9611990622
12a	1	Compression ring with thread	9612133606	9612133603	9612133603	9612133604
12b	1	Compression ring without thread	9612133706	9612133703	9612133703	9612133704
13	6	Screw	9611993197	9611993198	9611993198	9611993198
13a	6	Washer	9611993199	9611993199	9611993199	9611993199
14	1	Screw for safety guard				
15	1	Safety guard set	9614077412	9614077409	9614077409	9614077409
16	4	Washer for adaptor	9611994417	9611994417	9611994417	9611994418
17	1	Adaptor	9612343001	9612343101	9612343102	9612342602
18	4	Screw for adaptor	9611994413	9611994414	9611994414	9611994415
70	2	Leg bracket	481663	481665	481669	9634056195

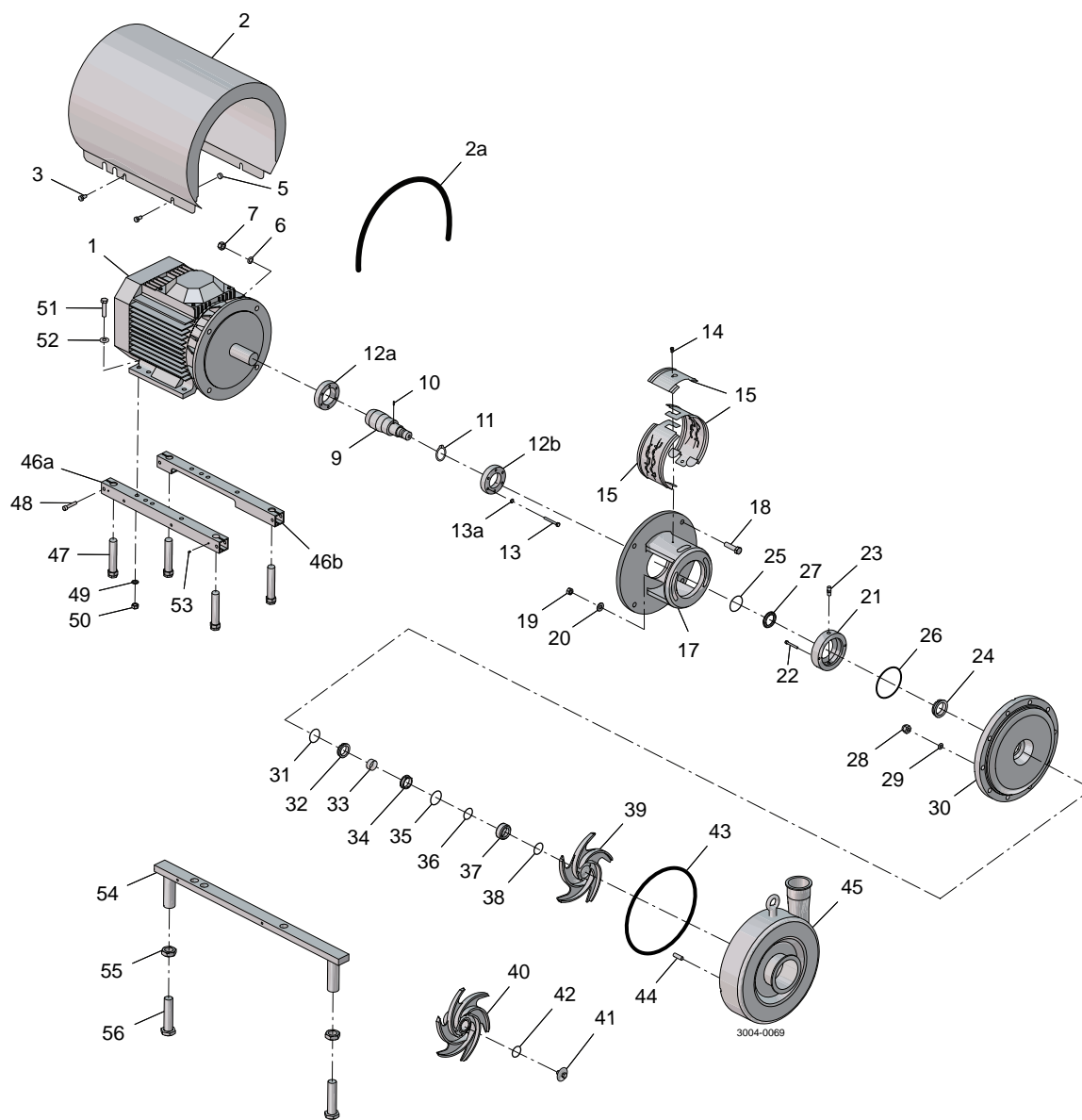
LKHPF -70

Pos	Qty	Denomination	40-50 Hp	60-75 Hp	100 Hp
9	1	Shaft and pin (pos.10)	9612512503	9612512503	9612554003
10	1	Connex pin	9611990622	9611990622	9611990622
12a	1	Compression ring with thread	9612133604	9612133604	9612133607
12b	1	Compression ring without thread	9612133704	9612133704	9612133707
13	6	Screw	9611993198	9611993198	9611993266
13a	6	Washer	9611993199	9611993199	9611993199
14	1	Screw for safety guard			
15	1	Safety guard set	9614077410	9614077410	9614077410
16	4	Washer for adaptor	9611994418	9611994418	9611994418
17	1	Adaptor	9612511902	9612511902	9612511902
18	4	Screw for adaptor	9611994415	9611994415	9611994415
70	2	Leg bracket	9634056195	9634056196	9634056196

Pos	Qty	Denomination	7.5 Hp	10 Hp	15 Hp	20 Hp	25 Hp	30 Hp
1	1	Motor	213TC	215TC	254TC	256TC	284TSC	286TSC

Pos	Qty	Denomination	40 Hp	50 Hp	60 Hp	70 Hp	100 Hp
1	1	Motor	324TSC	326TSC	364TSC	365TSC	405TSC

3/60/208/230-460 - standard



Pos	Qty	Denomination	LKHPF 10-60	LKHPF 70
33	1	Spacing ring	9612362502	9612362504
37	1	Rotating seal housing	9612362401	9612604501
57	1	Set of 8 springs for rotating sealhousing, (incl. In pos 37)	9611995848	
	1	Set of 14 springs for rotating sealhousing, (incl. In pos 37)		9611995849

**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602	9612362604
22	2	Screw	9611994038	9611993232
23	2	Fittings	9611992323	9611992323
27	○★	Sleeve		

Pos	Qty	Denomination	LKHPF 10-60 EPDM	LKHPF 10-60 NBR	LKHPF 10-60 FPM	LKHPF 70 EPDM	LKHPF 70 NBR	LKHPF 70 FPM
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**Single shaft seal**

□★		Shaft seal complete	9612362204	9612362205	9612362206	9612602404	9612602405	9612602406
31	1	O-ring						
32	1	Stationary seal ring, SiC						
34	1	Rotating seal ring, SiC						
35	1	Quad ring/O-ring						
36	1	PTFE support ring						
38	1	Quad ring/O-ring						

**Flushed shaft seal**

○★		Shaft seal complete	9612362210	9612362211	9612362212	9612602410	9612602411	9612602412
24	1	Lip seal						
25	1	O-ring, EPDM						
26	1	O-ring, EPDM						
31	1	O-ring						
32	1	Stationary seal ring, SiC						
34	1	Rotating seal ring, SiC						
35	1	Quad ring						
36	1	PTFE support ring						
38	1	Quad ring						

EPDM NBR FPM

**Service kit for single shaft seal SiC/SiC**

□		Service kit, SiC/SiC (LKHPF -10)	9611922139	9611922140	9611922141
□		Service kit, SiC/SiC (LKHPF -20)	9611922151		9611922153
□		Service kit, SiC/SiC (LKHPF -25/35/45)	9611922194		9611922196
□		Service kit, SiC/SiC (LKHPF -40/50/60)	9611922163	9611922164	9611922165

**Service kit for single shaft seal and impeller screw SiC/SiC**

◆		Service kit, SiC/SiC (LKHPF -10)	9611922142	9611922143	9611922144
◆		Service kit, SiC/SiC (LKHPF -20)	9611922154	9611922155	9611922156
◆		Service kit, SiC/SiC (LKHPF -25/35/45)	9611922197	9611922198	9611922199
◆		Service kit, SiC/SiC (LKHPF -40/50/60)	9611922166	9611922167	9611922168
◆		Service kit, SiC/SiC (LKHPF -70)	9611922946	9611922947	9611922948

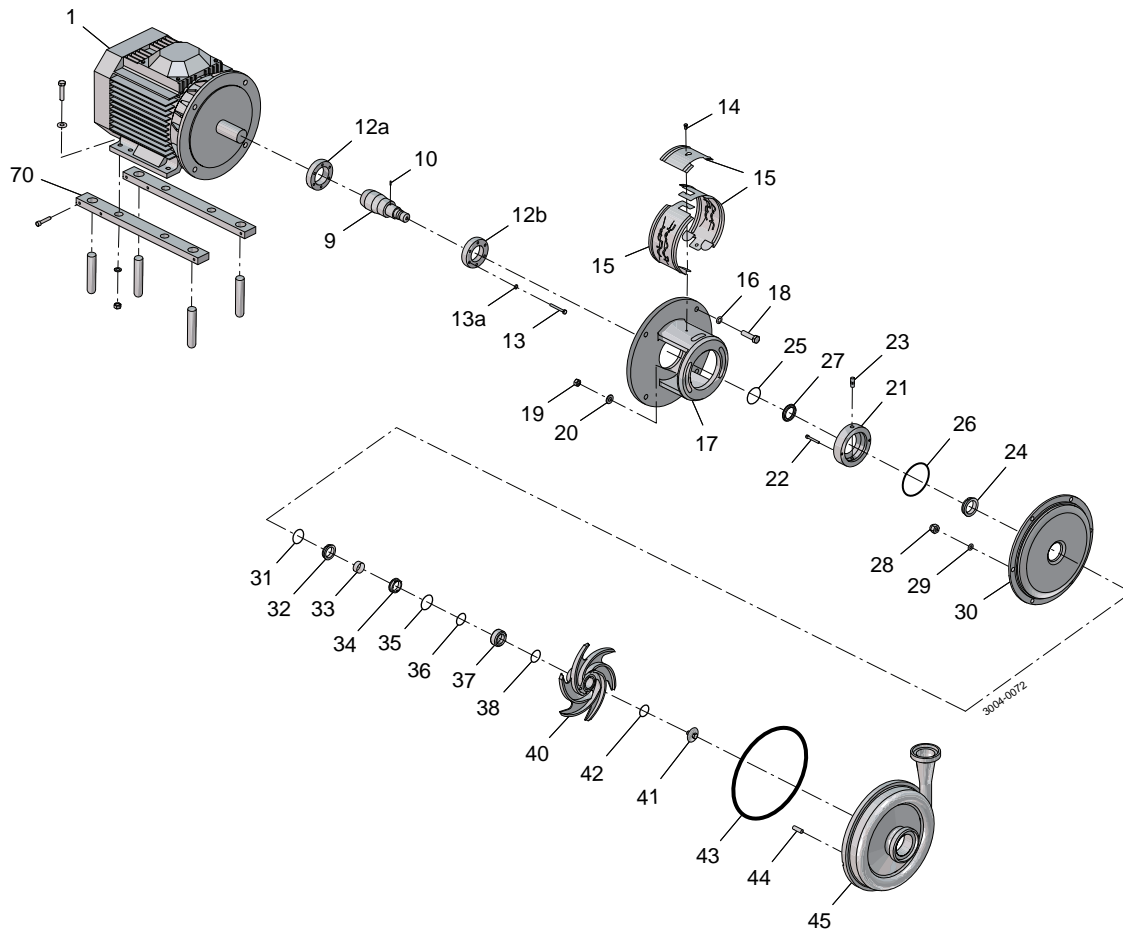
**Service kit for flushed shaft seal SiC/SiC**

○		Service kit, SiC/SiC (LKHPF -10)	9611922145		9611922147
○		Service kit, SiC/SiC (LKHPF -20)	9611922157		
○		Service kit, SiC/SiC (LKHPF -25/35/45)	9611922200		9611922202
○		Service kit, SiC/SiC (LKHPF -40/50/60)	9611922169	9611922170	9611922171

**Service kit for flushed shaft seal and impeller screw SiC/SiC**

*		Service kit, SiC/SiC (LKHPF -10)	9611922148		
*		Service kit, SiC/SiC (LKHPF -20)	9611922160		9611922162
*		Service kit, SiC/SiC (LKHPF -25/35/45)	9611922203	9611922204	9611922205
*		Service kit, SiC/SiC (LKHPF -40/50/60)	9611922172	9611922173	
*		Service kit, SiC/SiC (LKHPF -70)	9611922949	9611922950	9611922951

Parts marked with □◆○★ are included in the service kits. Recommended spare parts: Service kits.  
 Conversion single to flushed shaft seal : Please order Flushed service kit + pos. 21+22+23<sup>(900599/15)</sup>



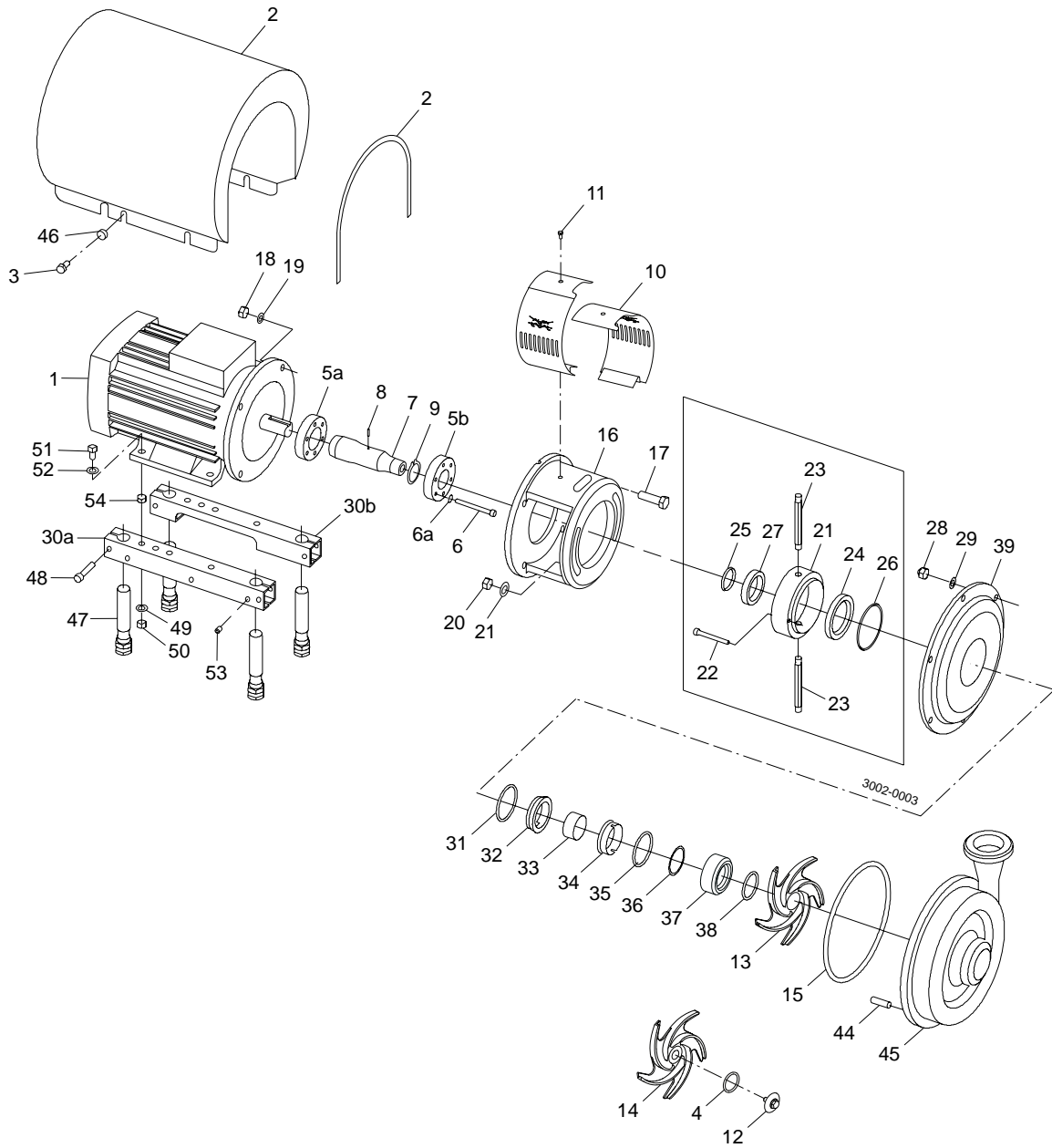
Pos	Qty	Denomination	LKHPF 10-60	LKHPF 70
33	1	Spacing ring	9612362502	9612362504
37	1	Rotating seal housing	9612362401	9612604501
57	1	Set of 8 springs for rotating sealhousing, (incl. In pos 37)	9611995848	
	1	Set of 14 springs for rotating sealhousing, (incl. In pos 37)		9611995849
<b>Parts for flushed shaft seal</b>				
21	1	Seal housing for flushed seal (period-12. 2014)	9612362602	9612362604
	1	Seal housing for flushed seal (period 12.2014-)	9612362606	9612362608
22	2	Screw	9611994038	9611993232
23	2	Fittings	9611995691	9611995691
27 *	1	Sleeve		

Pos	Qty	Denomination	LKHPF 10-60	LKHPF 10-60	LKHPF 10-60	LKHPF 70	LKHPF 70	LKHPF 70
			EPDM	NBR	FPM	EPDM	NBR	FPM
<b>Single shaft seal</b>								
□		Shaft seal complete	9612362204	9612362205	9612362206	9612602404	9612602405	9612602406
31	1	O-ring						
32	1	Stationary seal ring., SiC						
34	1	Rotating seal ring., SiC						
35	1	Quad ring/O-ring						
36	1	PTFE support ring						
38	1	Quad ring/O-ring						
<b>Flushed shaft seal</b>								
♦		Shaft seal complete	9612362210	9612362211	9612362212	9612602410	9612602411	9612602412
24	1	Lip seal						
25	1	O-ring, EPDM						
26	1	O-ring, EPDM						
31	1	O-ring						
32	1	Stationary seal ring., SiC						
34	1	Rotating seal ring., SiC						
35	1	Quad ring						
36	1	PTFE support ring						
38	1	Quad ring						
			EPDM	NBR	FPM			

<b>Service kit for single shaft seal</b>								
□		Service kit, SiC/SiC, LKHPF -10	9611922142	9611922143	9611922144			
□		Service kit, SiC/SiC, LKHPF -20	9611922154	9611922155	9611922156			
□		Service kit, SiC/SiC, LKHPF -25/35/45	9611922197	9611922198	9611922199			
□		Service kit, SiC/SiC, LKHPF -40/50/60	9611922166	9611922167	9611922168			
□		Service kit, SiC/SiC, LKHPF -70	9611922946	9611922947	9611922948			
<b>Service kit for flushed shaft seal</b>								
♦		Service kit, SiC/SiC, LKHPF -10	9611922148	9611922149	9611922150			
♦		Service kit, SiC/SiC, LKHPF -20	9611922160	9611922161	9611922162			
♦		Service kit, SiC/SiC, LKHPF -25/35/45	9611922203	9611922204	9611922205			
♦		Service kit, SiC/SiC, LKHPF -40/50/60	9611922172	9611922173	9611922174			
♦		Service kit, SiC/SiC, LKHPF -70	9611922949	9611922950	9611922951			

Parts marked with □♦ are included in the service kits.  
 Recommended Spare parts: Service kits.  
 Conversion single to flushed shaft seal : Please order Flushed service kit + pos. 21+22+23

(900600/13)

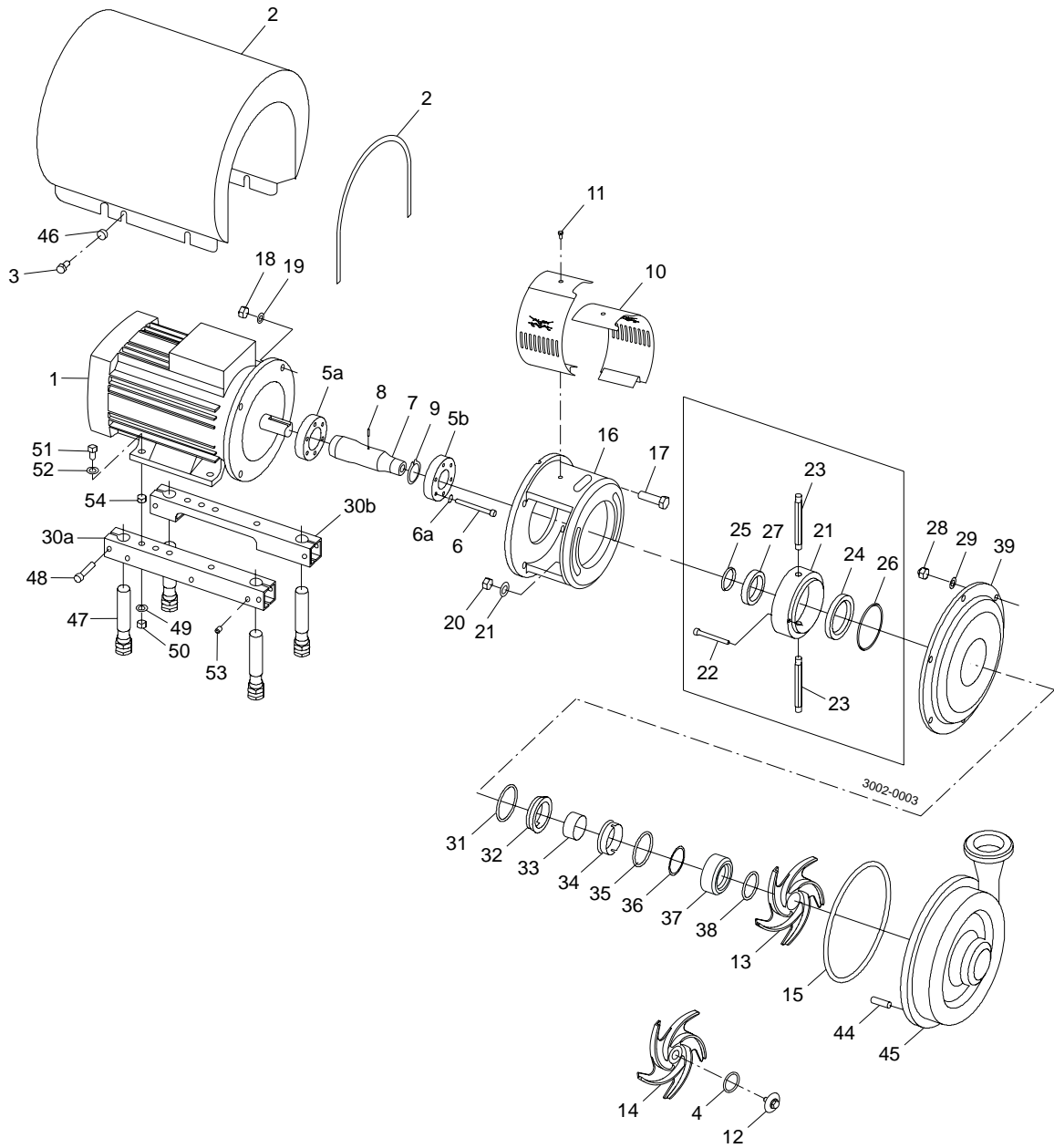


Pos	Qty	Denomination	LKHI-15		LKHI-25	
			LKHI-10 IEC90-IEC112	IEC100- IEC132	LKHI-20 IEC90-IEC132	IEC112- IEC160
<b>Pump casing std. blasted</b>						
45	1	Pump casing, IDF	9612139801	9612492401	9612139806	9612492406
	1	Pump casing, SMS	9612139802	9612492402	9612139807	9612492407
	1	Pump casing, DIN/ISO	9612139803	9612492403	9612139808	9612492408
	1	Pump casing, ISO	9612139804	9612492404	9612139809	9612492409
	1	Pump casing, BS	9612139805	9612492405	9612139810	9612492410
	1	Pump casing, DS	9612139826	9612492421	9612139828	9612492422
	1	Pump casing, DIN/DIN	9612139827	9614057802	9612139829	9614057803
	1	Pump casing, flange DN65/DN50	9612138001		9612138002	
	1	Pump casing, flange DN80/DN65				9612138009
	1	Pump casing, flange DN100/DN80				

Pos	Qty	Denomination	LKHI-35	LKHI-40	LKHI-45	LKHI-50	LKHI-60
			IEC112- IEC160	IEC132- IEC180	IEC112- IEC160	IEC132- IEC180	IEC132- IEC200
<b>Pump casing std. blasted</b>							
45	1	Pump casing, IDF	9612492411	9612139816		9612139821	9612355401
	1	Pump casing, SMS	9612492412	9612139817	9612492417	9612139822	9612355402
	1	Pump casing, DIN/ISO	9612492413	9612139818	9612492418	9612139823	9612355403
	1	Pump casing, ISO	9612492414	9612139819	9612492419	9612139824	9612355404
	1	Pump casing, BS	9612492415	9612139820	9612492420	9612139825	9612355405
	1	Pump casing, DS		9612139830	9612492424	9612139832	9612355406
	1	Pump casing, DIN/DIN	9614057804	9612139831	9614057805		9612355419
	1	Pump casing, NW 150/100					
	1	Pump casing, 152.4/101.6 CL					9612355408
	1	Pump casing, flange DN65/DN50	9612138010				
	1	Pump casing, flange DN80/DN65		9612138004			
	1	Pump casing, flange DN100/DN80			9612138011	9612138005	
	1	Pump casing, flange DN100/DN100					
	1	Pump casing, flange DN150/DN100					9612138007

Pos	Qty	Denomination	LKHI-15		LKHI-25	
			LKHI-10 IEC90-IEC112	IEC100- IEC132	LKHI-20 IEC90-IEC132	IEC112- IEC160
<b>Pump casing Mech Ra 0.8</b>						
45	1	Pump casing, IDF	9612457201	9612492501	9612457206	9612492506
	1	Pump casing, SMS	9612457202	9612492502	9612457207	9612492507
	1	Pump casing, DIN/ISO		9612492503	9612457208	
	1	Pump casing, ISO	9612457204	9612492504	9612457209	9612492509
	1	Pump casing, BS	9612457205	9612492505	9612457210	9612492510
	1	Pump casing, DS	9612457226	9612492521	9612457228	9612492522
	1	Pump casing, DIN/DIN	9612457227	9614057807	9612457229	9614057808

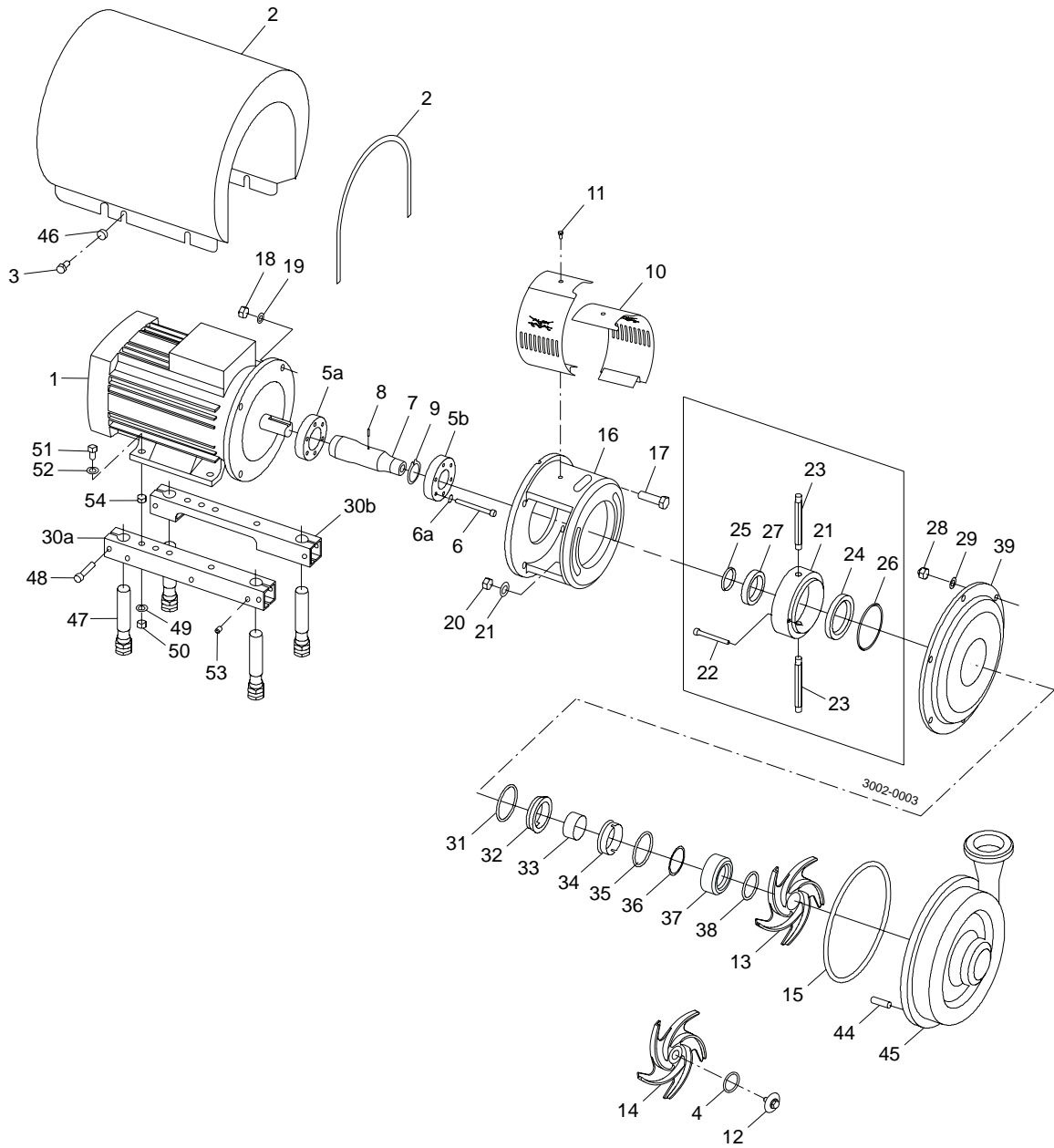
Pos	Qty	Denomination	LKHI-35	LKHI-40	LKHI-45	LKHI-50	LKHI-60
			IEC112- IEC160	IEC132- IEC180	IEC112- IEC160	IEC132- IEC180	IEC132- IEC200
<b>Pump casing Mech Ra 0.8</b>							
45	1	Pump casing, IDF	9612492511	9612457216	9612492516	9612457221	9612355409
	1	Pump casing, SMS	9612492512	9612457217	9612492517	9612457222	9612355410
	1	Pump casing, DIN/ISO	9612492513	9612457218	9612492518	9612457223	9612355411
	1	Pump casing, ISO	9612492514	9612457219	9612492519	9612457224	9612355412
	1	Pump casing, BS	9612492515	9612457220	9612492520	9612457225	9612355413
	1	Pump casing, DS	9612492523	9612457230	9612492524	9612457232	9612355414
	1	Pump casing, DIN/DIN	9614057809	9612457231	9614057810	9612457233	9612355420
	1	Pump casing, NW 150/100					9612355415
	1	Pump casing, 152.4/101.6 CL					9612355416





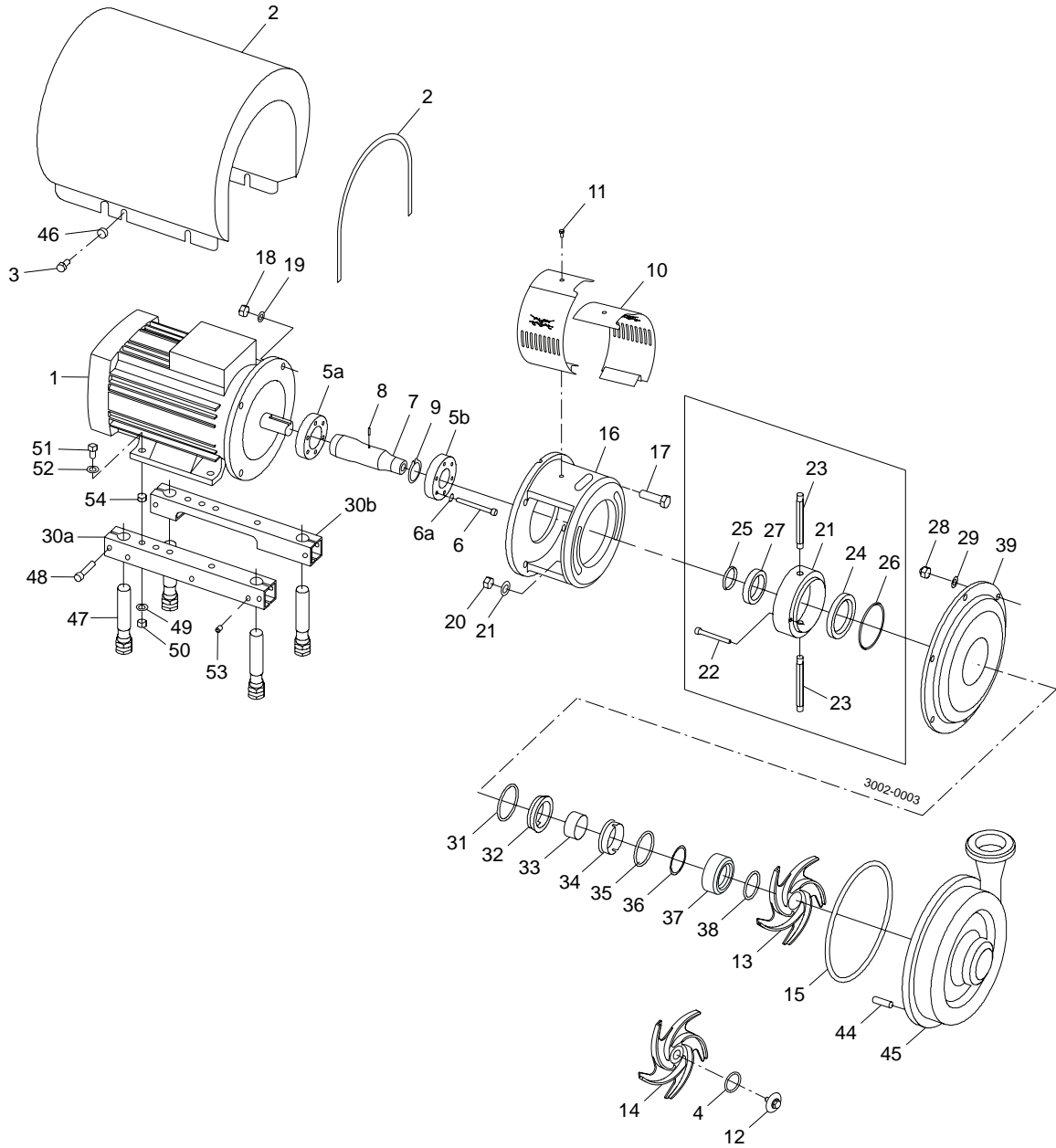
Pos	Qty	Denomination	LKHI-10	LKHI-15	LKHI-20	LKHI-25
			IEC90-IEC112	IEC100-IEC132	IEC90-IEC132	IEC112-IEC160
28	6	Cap nut	9611992592	9611992592	9611992592	9611992593
29	6	Washer	9611991888	9611991888	9611991888	9611991887
44	6	Bolt	9611992168	9611992168	9611992168	9611992169
15	1	O-ring, EPDM	9611992137	9611992137	9611992141	9611992983
	1	O-ring, NBR	9611992139	9611992139	9611992143	9611992984
	1	O-ring, FPM	9611992138	9611992138	9611992142	9611992985
	1	Set of 5 O-rings EPDM for pumpcasing (pos 15)	8010023153	8010023153	8010023154	8010023155
13	1	Impeller, std. blasted	9612408107	9612510201	9612408201	9612510301
	1	Impeller, Mech Ra ≤ 0.8	9612408115	9612510205	9612408205	9612510305
14	1	Impeller for impeller screw, std. blasted	9612408108	9612510202	9612408202	9612510302
	1	Impeller for impeller screw, Mech Ra ≤ 0.8	9612408116	9612510206	9611408206	9612510306
12	1	Impeller screw, std. blasted	9612139601	9612139601	9612139601	9612139601
	1	Impeller screw, Mech Ra ≤ 0.8	9612139603	9612139603	9612139603	9612139603
4	1	O-ring, EPDM	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146
	1	Set of 5 O-rings EPDM for impellerscrew (pos 4)	8010023161	8010023161	8010023161	8010023161
39	1	Back plate, std. blasted	9612389205	9612389205	9612389206	9612389220
	1	Back plate, Mech Ra ≤ 0.8	9612389216	9612389216	9612389217	
20	2	Nut	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559

Pos	Qty	Denomination	LKHI-35	LKHI-40	LKHI-45	LKHI-50	LKHI-60
			IEC112-IEC160	IEC132-IEC180	IEC112-IEC160	IEC132-IEC180	IEC132-IEC200
28	6	Cap nut	9611992593	9611992593	9611992593	9611992593	9611992593
29	6	Washer	9611991887	9611991887	9611991887	9611991887	9611991887
44	6	Bolt	9611992169	9611992169	9611992169	9611992169	9611992169
15	1	O-ring, EPDM	9611992983	9611992171	9611992983	9611992171	9611992171
	1	O-ring, NBR	9611992984	9611992173	9611992984	9611992173	9611992173
	1	O-ring, FPM	9611992985	9611992172	9611992985	9611992172	9611992172
	1	Set of 5 O-rings EPDM for pumpcasing (pos 15)	8010023155	8010023156	8010023155	8010023156	8010023156
13	1	Impeller, std. blasted	9612510401		9612510501	9612408501	9612408601
	1	Impeller, Mech Ra ≤ 0.8	9612510405		9612510505	9612408505	9612408605
14	1	Impeller for impeller screw, std. blasted	9612510402	8010023087	9612510502	9612408502	9612408602
	1	Impeller for impeller screw, Mech Ra ≤ 0.8	9612510406	8010023088	9612510506	9612408506	9612408606
12	1	Impeller screw, std. blasted	9612139601	9612139601	9612139601	9612139601	9612139601
	1	Impeller screw, Mech Ra ≤ 0.8	9612139603	9612139603	9612139603	9612139603	9612139603
4	1	O-ring, EPDM	9611992145	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146	9611992146
	1	Set of 5 O-rings EPDM for impellerscrew (pos 4)	8010023161	8010023161	8010023161	8010023161	8010023161
39	1	Back plate std., blasted	9612389220	9612389207	9612389220	9612389207	9612389207
	1	Back plate, Mech Ra ≤ 0.8		9612389218		9612389218	9612389218
20	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559



Pos	Qty	Denomination	LKHI IEC90	LKHI IEC100	LKHI IEC112	LKHI IEC132
5a	1	Compression ring with thread	9612133601	9612133602	9612133602	9612133605
5b	1	Compression ring without thread	9612133701	9612133702	9612133702	9612133705
6	6	Screw	9611993196	9611993196	9611993196	9611993197
6a	6	Washer	9611993199	9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)		9612132502	9612132502	9612132602
	1	Shaft incl. pin and retaining ring, (pos.8+9)	9612132402			
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring	9611992307			
2	1	Shroud	9612139001	9612139002	9612139003	9612139008
3	4	Screw	9611993240	9611993240	9611993240	9611993240
16	1	Adaptor	9612342301	9612342401	9612342401	9612342501
17	4	Screw for adaptor	9611992161	9611991834	9611991834	9611992162
18	4	Nut for adaptor	9611990587	9611990587	9611990587	9611990587
19	4	Washer for adaptor	9611991887	9611990676	9611990676	9611990676
10	1	Safety guard set	9614077401	9614077402	9614077402	9614077403
11	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132201	9612132205	9612132205	9612132206
30b	1	Support bar, left	9612132301	9612132305	9612132305	9612132306
47	4	Leg	9612396701	9612396701	9612396701	9612396701
48	4	Screw	9611991126	9611991126	9611991126	9611991126
50	4	Nut	9611990360	9611990353	9611990353	9611990353
49	4	Spring washer	9611991888	9611991887	9611991887	9611991887
51	4	Screw	9611993241	9611991374	9611991911	9611991911
52	4	Washer		9611990786	9611990786	9611990786
54	4	Nut		9611990587		
46	4	Distance sleeve		9611992737		9611992737

Pos	Qty	Denomination	LKHI IEC160	LKHI IEC180	LKHI IEC200
5a	1	Compression ring with thread	9612133603	9612133604	9612133607
5b	1	Compression ring without thread	9612133703	9612133704	9612133707
6	6	Screw	9611993198	9611993198	9611993198
6a	6	Washer	9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)	9612132702	9612132802	9612232902
8	1	Connex pin	9611990622	9611990622	9611990622
2	1	Shroud	9612139005	9612139006	9612593801
3	4	Screw	9611993241	9611993243	9611993243
16	1	Adaptor	9612342601	9612342601	9612342701
17	4	Screw for adaptor	9611992163	9611992164	9611992164
18	4	Nut for adaptor	9611992160	9611992160	9611992160
19	4	Washer for adaptor	9611991886	9611991886	9611991886
10	1	Safety guard set	9614077404	9614077404	9614077404
11	1	Screw for safety guard	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132203	9612132204	9612342201
30b	1	Support bar, left	9612132303	9612132304	9612342201
47	4	Leg	9612396701	9612396701	9612396701
48	4	Screw	9611991126	9611991126	9611991907
50	4	Nut	9611990587	9611990587	9611992160
49	4	Spring washer	9611990676	9611990676	9611991886
51	4	Screw	9611991834	9611991834	9611993680
52	4	Washer	9611990706	9611990706	9611990703
46	4	Distance sleeve	3143803902	3143803901	3143803903
53	4	Pivot screw			9611991763



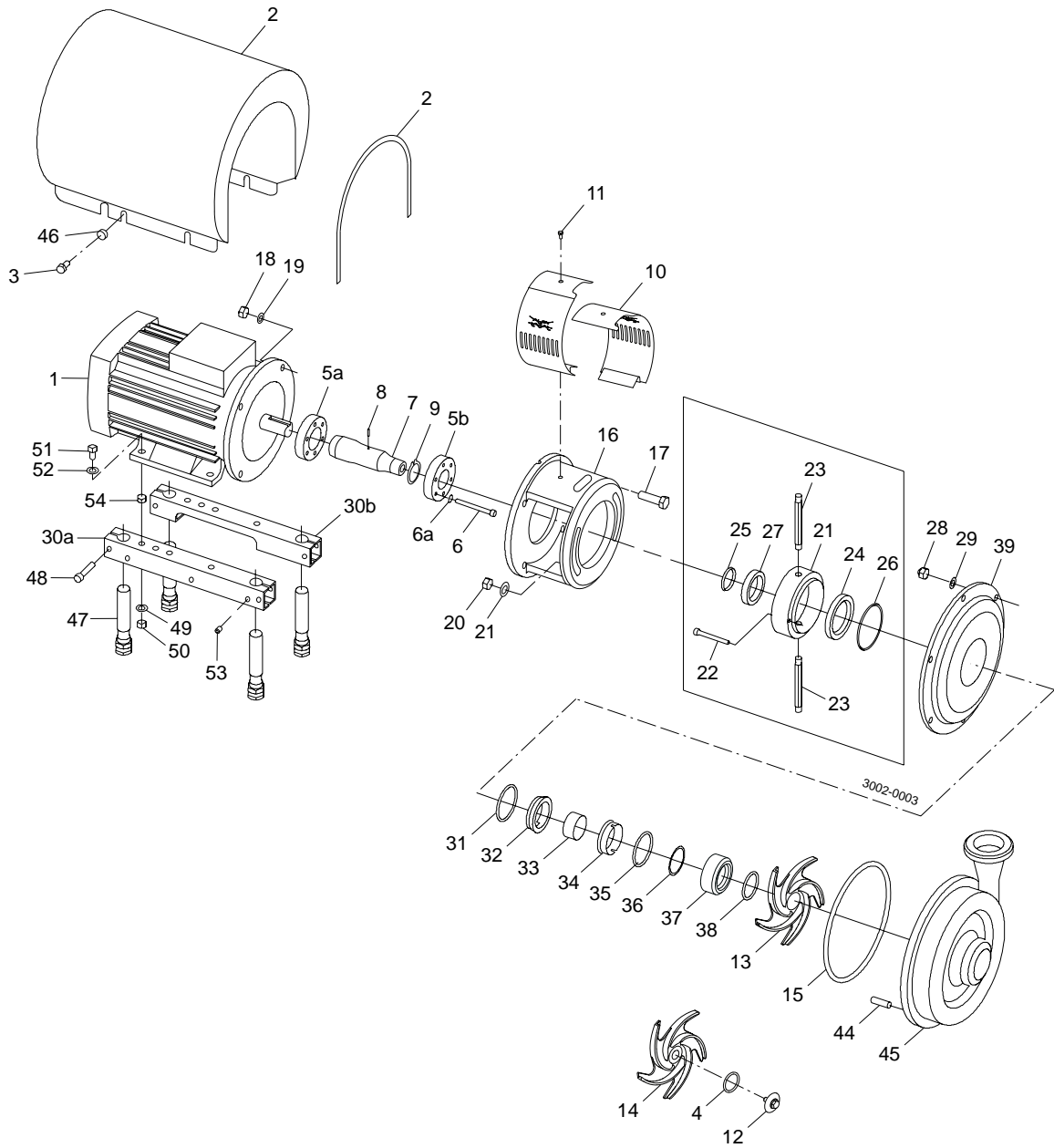
Pos	Qty	Denomination	1.5 kW IEC90	2.2 kW IEC90	3 kW IEC100	4 kW IEC112	5.5 kW IEC132	7.5 kW IEC132
<b>0-10 bar</b>								
1	1	Motor ABB, 3000rpm . . . .	9614303003	9614303004	9614303005	9614303006	9614303007	9614303008

Pos	Qty	Denomination	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180	30 kW IEC200
<b>0-10 bar</b>							
1	1	Motor ABB, 3000rpm . . . .	9614303009	9614303010	9614303011	9614303028	9614303013

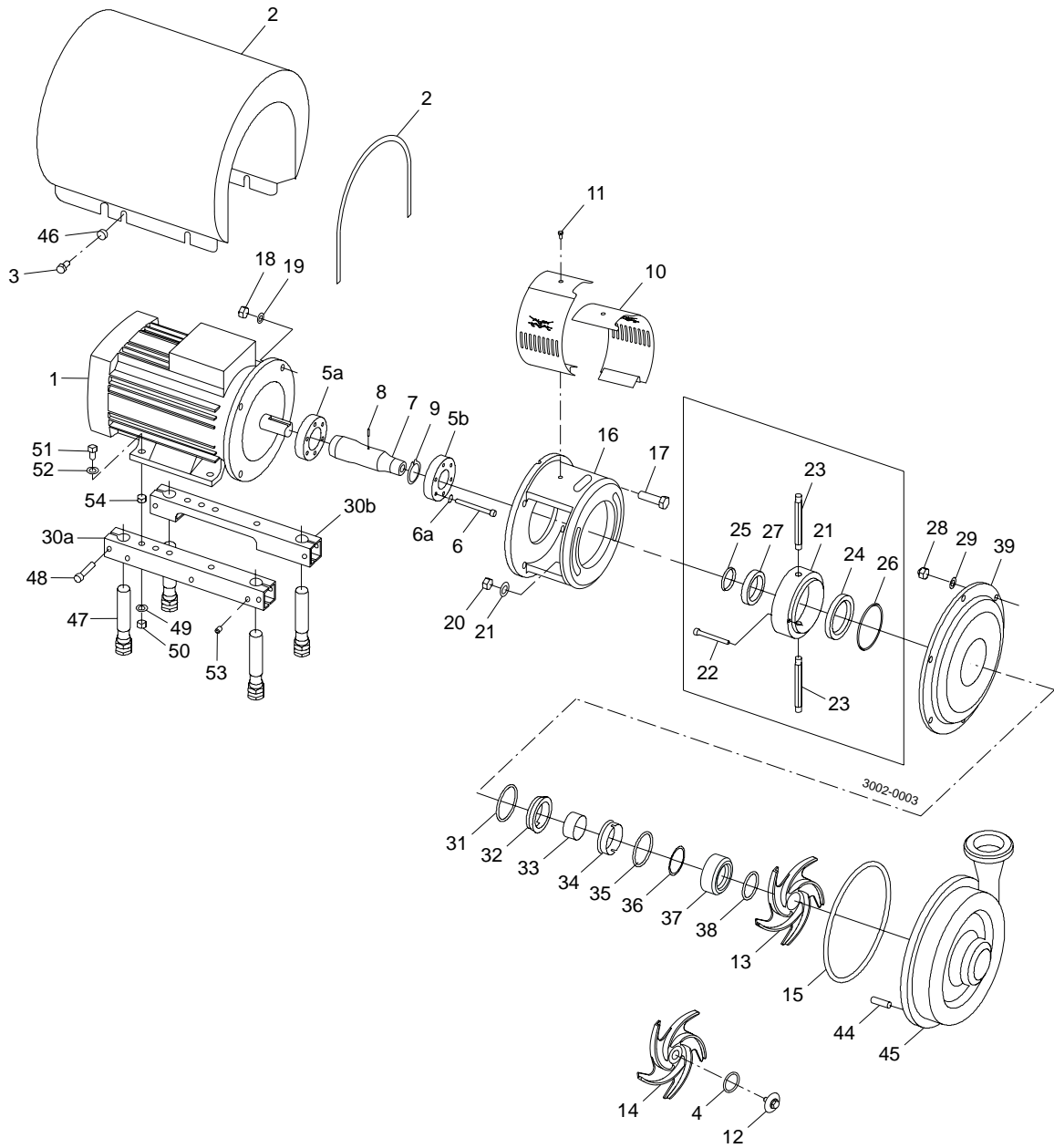
Pos	Qty	Denomination	1.5 kW IEC90	2.2 kW IEC90	3 kW IEC100	4 kW IEC112	5.5 kW IEC132	7.5 kW IEC132
<b>10-16 bar (Motors are with special ball bearing)</b>								
1	1	Motor ABB, 3000rpm . . . .		9614289501		9614289502	9614289503	9614289504

Pos	Qty	Denomination	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180	30 kW IEC200
<b>10-16 bar (Motors are with special ball bearing)</b>							
1	1	Motor ABB, 3000rpm . . . .	9614289505	9614289506	9614289507	9614289508	9614289510

3 ~, 50 Hz, 230VD/400VY - Standard ≤ 22 kW and 400VD/690VY Standard > 22 kW  
 3 ~, 60 Hz, 220VD/440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW



Pos	Qty	Denomination	LKHI 10/15/20	LKHI 25/35/40/45/50/60	
<b>Parts for flushed shaft seal</b>					
21	1	Seal housing	9612362601	9612362602	
22	2	Screw	9611990203	9611994038	
23	2	Tube	9612358901	9612358907	
27	1	Sleeve			
33	1	Spacing ring	9612362502	9612362502	
37	1	Rotating seal housing	9612362401	9612362401	
Pos	Qty	Denomination	EPDM	NBR	FPM
<b>Shaft seal complete</b>					
		□○ Single shaft seal, (0-10 bar) C/SiC	9612362201	9612362202	9612362203
31	1	O-ring			
32	1	Stationary seal ring, SiC			
34	1	Rotating seal ring			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			
<b>Shaft seal complete</b>					
		◆● Single shaft seal, (0-16 bar) SiC/SiC	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC			
34	1	Rotating seal ring, SiC			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			
<b>Shaft seal complete</b>					
		◆■ Flushed shaft seal, (0-10 bar) C/SiC	9612362207	9612362208	9612362209
24	1	Lip seal			
25	1	O-ring, EPDM			
26	1	O-ring, EPDM			
31	1	O-ring			
32	1	Stationary seal ring, SiC			
34	1	Rotating seal ring, SiC			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			
<b>Shaft seal complete</b>					
		◆○ Flushed shaft seal, (0-16 bar) SiC/SiC	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring, EPDM			
26	1	O-ring, EPDM			
31	1	O-ring			
32	1	Stationary seal ring, SiC			
34	1	Rotating seal ring, SiC			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

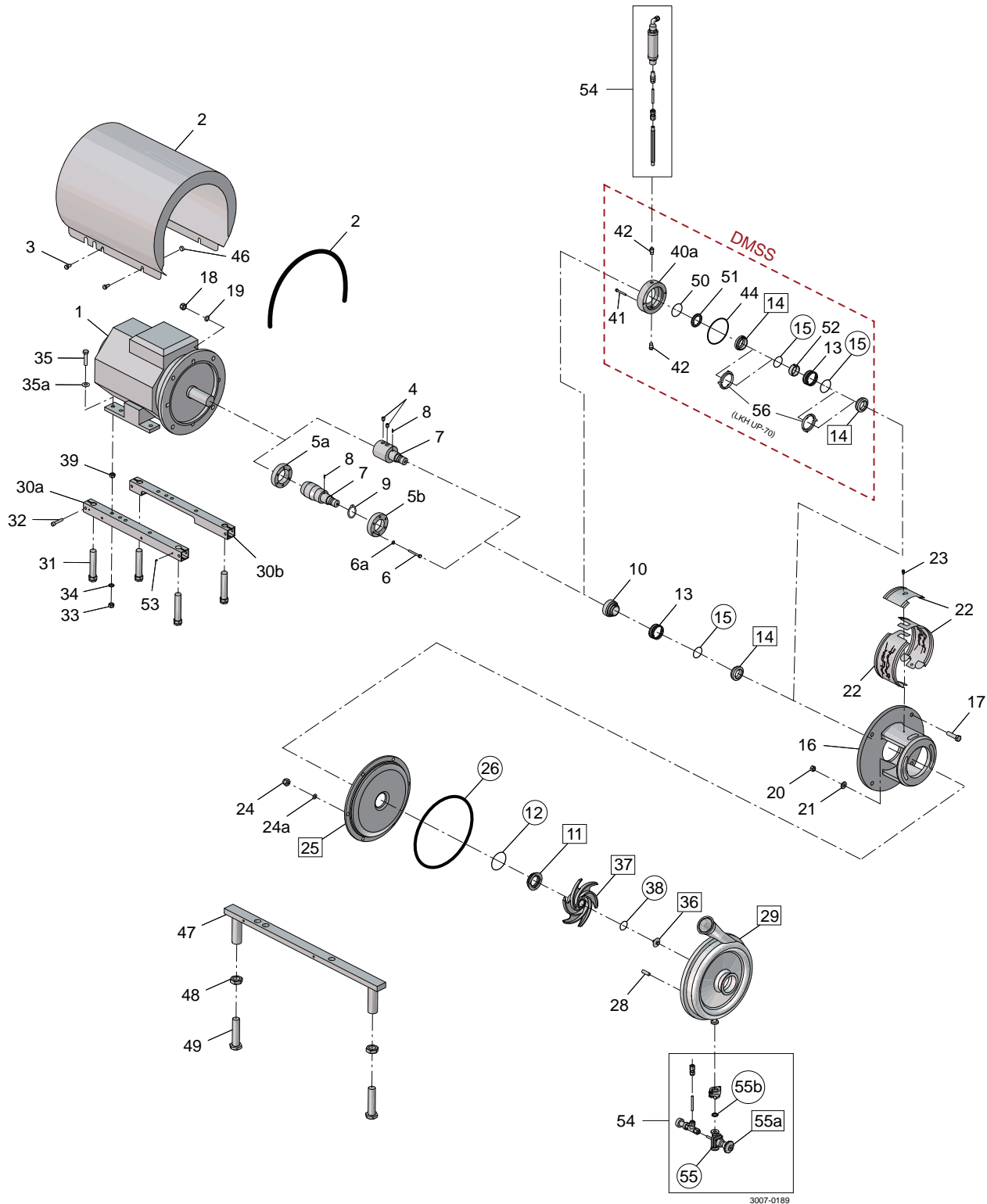




		EPDM	NBR	FPM
<b>Service kit for single shaft seal C/SIC (0-10 bar)</b>				
□	Service kit, C/SIC (LKHI -10/15) . . . . .	9611922254	9611922255	9611922256
□	Service kit, C/SIC (LKHI -20) . . . . .	9611922266	9611922267	9611922268
□	Service kit, C/SIC (LKHI -25/35/45) . . . . .	9611922278	9611922279	9611922280
□	Service kit, C/SIC (LKHI -40/50/60) . . . . .	9611922290	9611922291	9611922292
<b>Service kit for single shaft seal SIC/SIC (0-16 bar)</b>				
✧	Service kit, SIC/SIC (LKHI -10/15) . . . . .	9611922139	9611922140	9611922141
✧	Service kit, SIC/SIC (LKHI -20) . . . . .	9611922151	9611922152	9611922153
✧	Service kit, SIC/SIC (LKHI -25/35/45) . . . . .	9611922194	9611922195	9611922196
✧	Service kit, SIC/SIC (LKHI -40/50/60) . . . . .	9611922163	9611922164	9611922165
<b>Service kit for single shaft seal and impeller screw C/SIC (0-10 bar)</b>				
○	Service kit, C/SIC (LKHI -10/15) . . . . .	9611922257	9611922258	9611922259
○	Service kit, C/SIC (LKHI -20) . . . . .	9611922269	9611922270	9611922271
○	Service kit, C/SIC (LKHI -25/35/45) . . . . .	9611922281	9611922282	9611922283
○	Service kit, C/SIC (LKHI -40/50/60) . . . . .	9611922293	9611922294	9611922295
<b>Service kit for single shaft seal and impeller screw SIC/SIC (0-16 bar)</b>				
●	Service kit, SIC/SIC (LKHI -10/15) . . . . .	9611922142	9611922143	9611922144
●	Service kit, SIC/SIC (LKHI -20) . . . . .	9611922154	9611922155	9611922156
●	Service kit, SIC/SIC (LKHI -25/35/45) . . . . .	9611922197	9611922198	9611922199
●	Service kit, SIC/SIC (LKHI -40/50/60) . . . . .	9611922166	9611922167	9611922168
<b>Service kit for flushed shaft seal C/SIC (0-10 bar)</b>				
◆	Service kit, C/SIC (LKHI -10/15) . . . . .	9611922260	9611922261	9611922262
◆	Service kit, C/SIC (LKHI -20) . . . . .	9611922272	9611922273	9611922274
◆	Service kit, C/SIC (LKHI -25/35/45) . . . . .	9611922284	9611922285	9611922286
◆	Service kit, C/SIC (LKHI -40/50/60) . . . . .	9611922296	9611922297	9611922298
<b>Service kit for flushed shaft seal SIC/SIC (0-16 bar)</b>				
◇	Service kit, SIC/SIC (LKHI -10/15) . . . . .	9611922145	9611922146	9611922147
◇	Service kit, SIC/SIC (LKHI -20) . . . . .	9611922157	9611922158	9611922159
◇	Service kit, SIC/SIC (LKHI -25/35/45) . . . . .	9611922200	9611922201	9611922202
◇	Service kit, SIC/SIC (LKHI -40/50/60) . . . . .	9611922169	9611922170	9611922171
<b>Service kit for flushed shaft seal and impeller screw C/SIC (0-10 bar)</b>				
■	Service kit, C/SIC (LKHI -10/15) . . . . .	9611922263	9611922264	9611922265
■	Service kit, C/SIC (LKHI -20) . . . . .	9611922275	9611922276	9611922277
■	Service kit, C/SIC (LKHI -25/35/45) . . . . .	9611922287	9611922288	9611922289
■	Service kit, C/SIC (LKHI -40/50/60) . . . . .	9611922299	9611922300	9611922301
<b>Service kit for flushed shaft seal and impeller screw SIC/SIC (0-16 bar)</b>				
◎	Service kit, SIC/SIC (LKHI -10/15) . . . . .	9611922148	9611922149	9611922150
◎	Service kit, SIC/SIC (LKHI -20) . . . . .	9611922160	9611922161	9611922162
◎	Service kit, SIC/SIC (LKHI -25/35/45) . . . . .	9611922203	9611922204	9611922205
◎	Service kit, SIC/SIC (LKHI -40/50/60) . . . . .	9611922172	9611922173	9611922174

Parts marked with □◆◇◇◆■●◎ are included in the service kits. Recommended spare parts: Service kits,<sup>(900601/13)</sup>

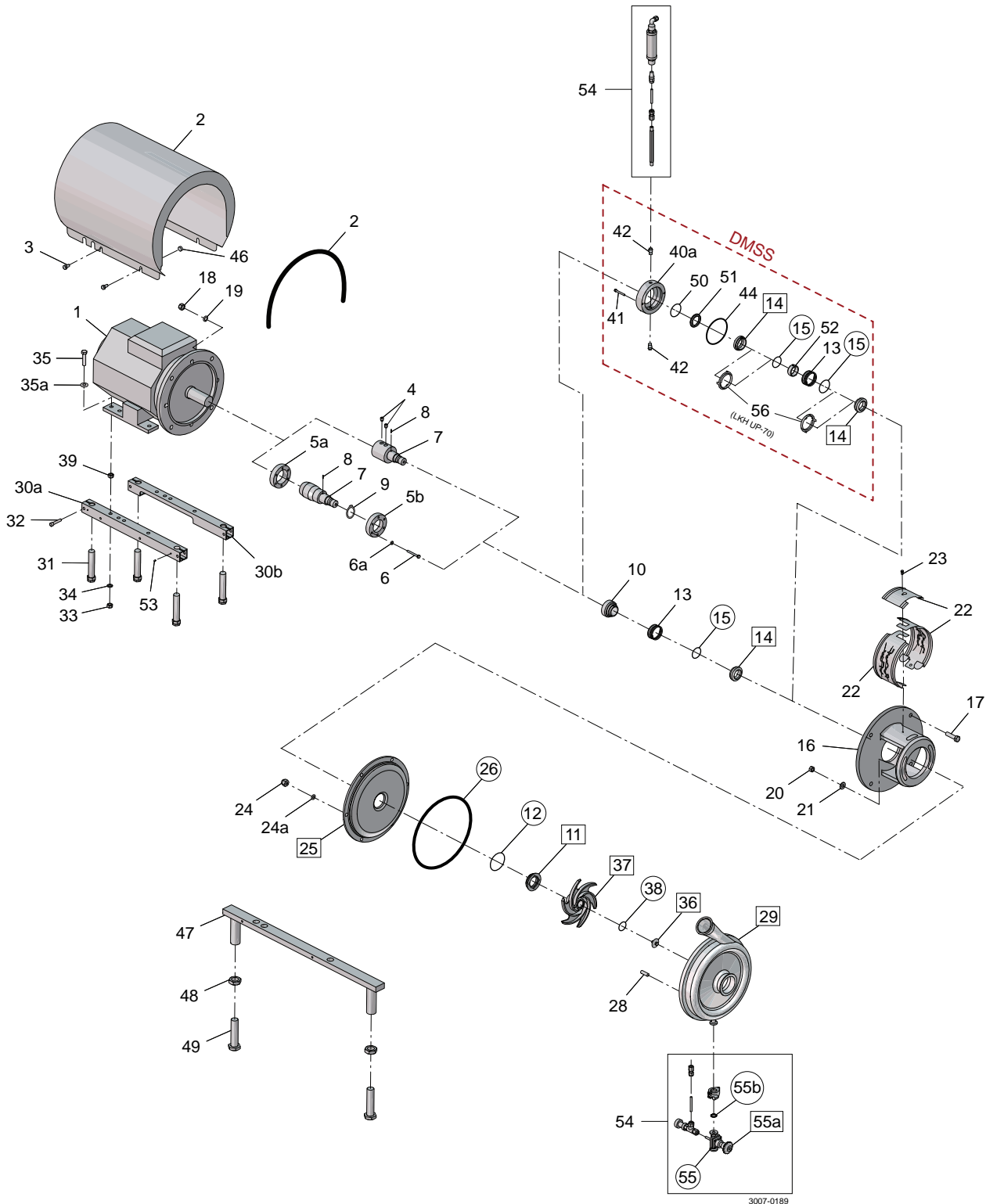
Conversion kit single to flushed shaft seal : Please order Flushed service kit + pos. 21 + 22 + 23



Pos	Qty	Denomination	LKHUP-10 IEC90- IEC112	LKHUP-20 IEC100- IEC132	LKHUP-25 IEC132- IEC160	LKHUP-35 IEC112- IEC160
<b>Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain</b>						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630532	9612630534	9612630536	9612630538
<b>Casing Mech Ra ≤ 0.5, 45deg outlet, 1/2" drain</b>						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630501	9612630504	9612630507	9612630510
<b>Casing EP Ra ≤ 0.4, 45deg outlet, 1/2" drain</b>						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630516	9612630519	9612630522	9612630525
Pos	Qty	Denomination	LKHUP-40 IEC132- IEC180	LKHUP-45 IEC112- IEC160	LKHUP-60 IEC132- IEC200	LKHUP-70 IEC132- IEC250
<b>Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain</b>						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630540	9615375301	9615375302	9615375303
<b>Casing Mech Ra ≤ 0.5, 45deg outlet, 1/2" drain</b>						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630513	9615375304	9615375305	9615375306
<b>Casing EP Ra ≤ 0.4, 45deg outlet, 1/2" drain</b>						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630528	9615375307	9615375308	9615375309

Note: For article numbers on casing specifications not listed above. Please contact your local Alfa Laval partner.

Note: Heat certificates can be downloaded from [www.alfalaval.com/certificates](http://www.alfalaval.com/certificates)

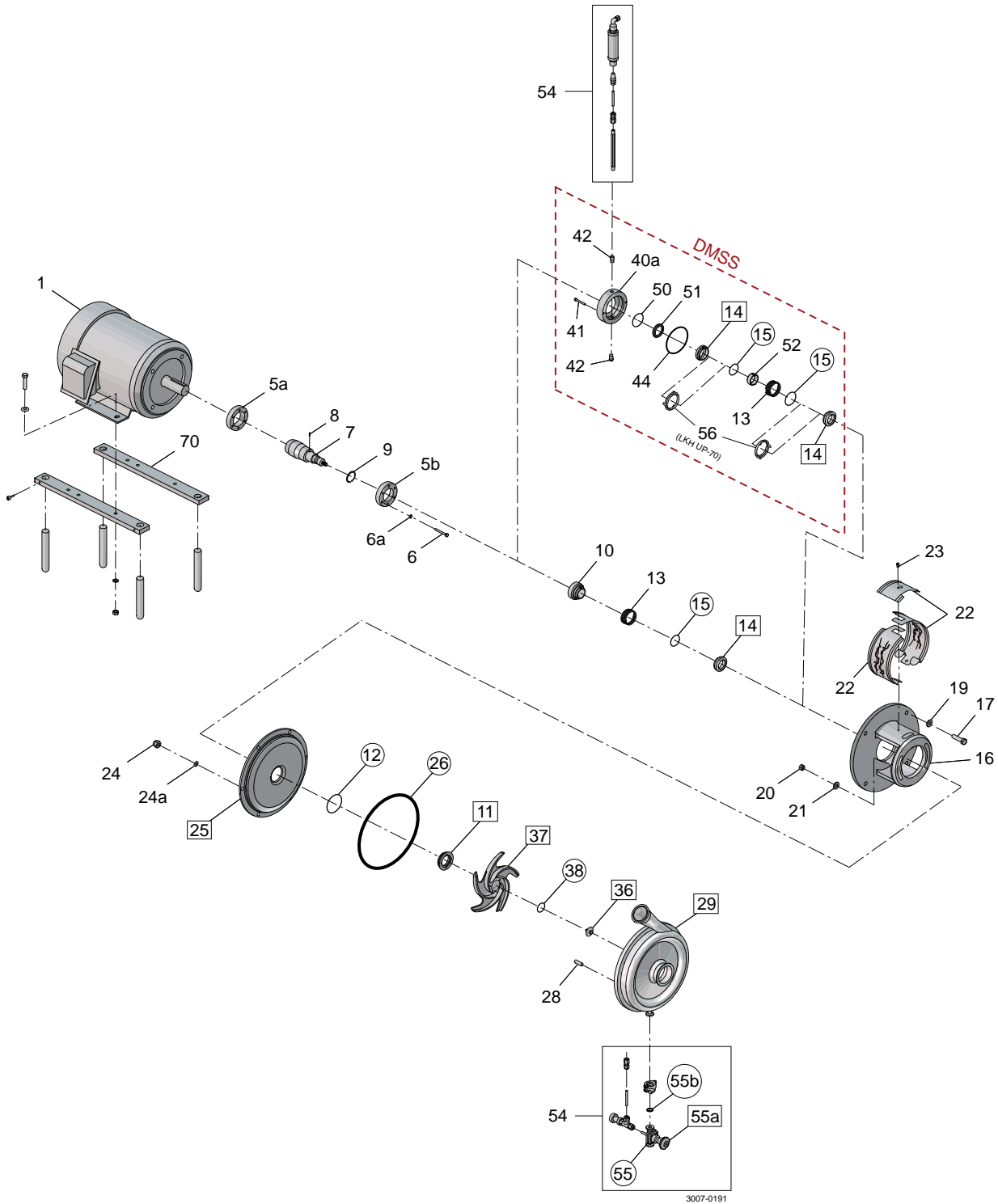


- Product wetted steel parts
- Product wetted elastomer parts

Pos	Qty	Denomination	LKHUP-10	LKHUP-20	LKHUP-25	LKHUP-35
			IEC90-IEC112	IEC100-IEC132	IEC132-IEC160	IEC112-IEC160
24	6	Cap nut	9611992592	9611992592	9611992593	9611992593
24a	6	Washer	9611991888	9611991888	9611991887	9611991887
28	6	Bolt	9611992168	9611992168	9611992169	9611992169
37	1	Impeller, Mech Ra ≤ 0.8	9612131229	9612131419	9612425217	9612434117
	1	Impeller, Mech Ra ≤ 0.5	9612131206	9612131406	9612425206	9612434106
	1	Impeller, EP Ra ≤ 0.4	9612131225	9612131415	9612425213	9612434113
36	1	Impeller screw, Mech Ra ≤ 0.8	9612139611	9612139611	9612139611	9612139611
	1	Impeller screw, Mech Ra ≤ 0.5	9612139609	9612139609	9612139609	9612139609
	1	Impeller screw, EP Ra ≤ 0.4	9612139610	9612139610	9612139610	9612139610
37	1	Impeller, Mech Ra ≤ 0.8 Delta Ferrite<1%	9612131232	9612131422	9612425220	9612434120
	1	Impeller, Mech Ra ≤ 0.5 Delta Ferrite<1%	9612131226	9612131416	9612425214	9612434114
	1	Impeller, EP Ra ≤ 0.4 Delta Ferrite<1%	9612131227	9612131417	9612425215	9612434115
25	1	Backplate compl, Mech Ra ≤ 0.8	9612633211	9612633212	9612633213	9612633213
	1	Backplate compl, Mech Ra ≤ 0.5	9612633201	9612633202	9612633204	9612633204
	1	Backplate compl, EP Ra ≤ 0.4	9612633206	9612633207	9612633208	9612633208
20	2	Nut	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559

Pos	Qty	Denomination	LKHUP-40	LKHUP-45	LKHUP-60	LKHUP-70
			IEC132-IEC180	IEC112-IEC160	IEC132-IEC200	IEC132-IEC250
24	8	Cap nut				9611992593
24a	8	Washer				9611991887
28	8	Bolt				9611992169
37	1	Impeller, Mech Ra≤ 0.8	9612131817	9612363015	9612128316	9612499413
	1	Impeller, Mech Ra≤ 0.5	9612131806	9612363006	9612128306	9612499419
	1	Impeller, EP Ra≤ 0.4	9612131813	9612363014	9612128314	9612499414
36	1	Impeller screw, Mech Ra≤ 0.8	9612139611	9612139611	9612139611	9612927113
	1	Impeller screw, Mech Ra≤ 0.5	9612139609	9612139609	9612139609	9612927111
	1	Impeller screw, EP Ra≤ 0.4	9612139610	9612139610	9612139610	9612927112
37	1	Impeller Mech, Ra≤ 0.8 Delta Ferrite<1%	9612131820	9612363018	9612128319	9612499417
	1	Impeller Mech, Ra≤ 0.5 Delta Ferrite<1%	9612131814	9612363017	9612128318	9612499416
	1	Impeller, EP Ra≤ 0.4 Delta Ferrite<1%	9612131815	9612363019	9612128320	9612499418
25	1	Backplate compl, Mech Ra≤ 0.8	9612633214	9612633213	9612633214	9615284402
	1	Backplate compl, Mech Ra≤ 0.5	9612633205	9612633204	9612633205	9615284403
	1	Backplate compl, EP Ra≤ 0.4	9612633210	9612633208	9612633210	9615284404
20	2	Nut	9611990353	9611990353	9611990353	
21	2	Washer	9611992559	9611992559	9611992559	
20	4	Nut				9611990353
21	4	Washer				9611992559
26	□♦	1 Pump casing O-ring, EPDM				
	□♦	1 Pump casing O-ring, FPM				
	□♦	1 Pump casing O-ring, FEP				
38	□♦	1 O-ring impeller screw, EPDM				
	□♦	1 O-ring impeller screw, FPM				
	□♦	1 O-ring impeller screw, FEP				



Pos	Qty	Denomination	LKHUP-10 1-20HP	LKHUP-20 1-20HP	LKHUP-25 1-60HP	LKHUP-35 1-60HP
<b>Casing Mech Ra ≤ 20, 45deg, 1/2" TriClamp drain</b>						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630501	9612630504	9612630507	9612630510

<b>Casing EP Ra ≤ 15, 45deg, 1/2" TriClamp drain</b>						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630516	9612630519	9612630522	9612630525

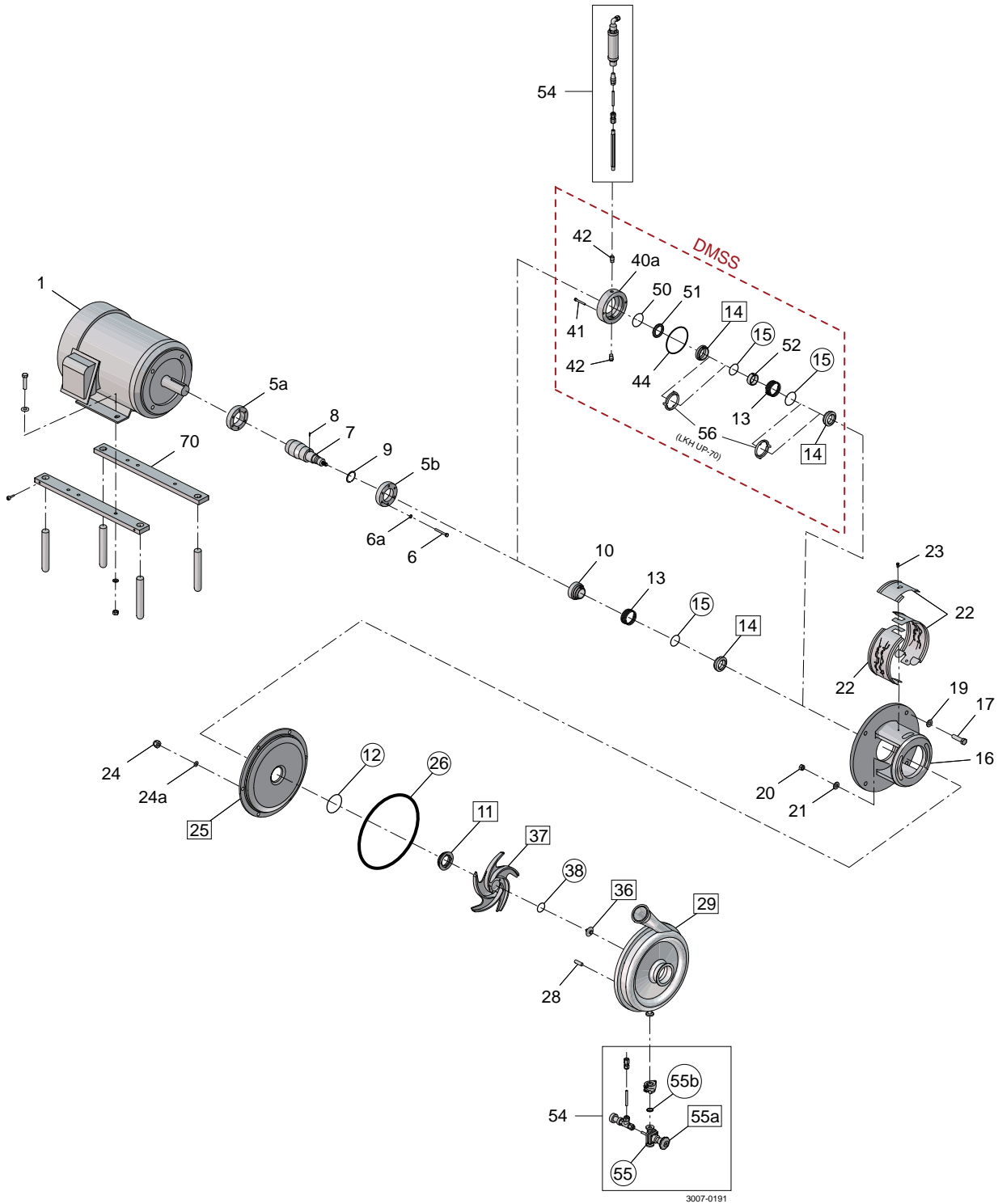
Pos	Qty	Denomination	LKHUP-40 1-60HP	LKHUP-45 1-60HP	LKHUP-60 1-60HP	LKHUP-70 10-100HP
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<b>Casing Mech Ra ≤ 20, 45deg, 1/2" TriClamp drain</b>						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630513	9615375304	9615375305	9615375306

<b>Casing EP Ra ≤ 15, 45deg, 1/2" TriClamp drain</b>						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630528	9615375307	9615375308	9615375309

Note: For article numbers on casing specifications not listed above. Please contact your local Alfa Laval partner.

Note: Heat certificates can be downloaded from [www.alfalaval.com/certificates](http://www.alfalaval.com/certificates)

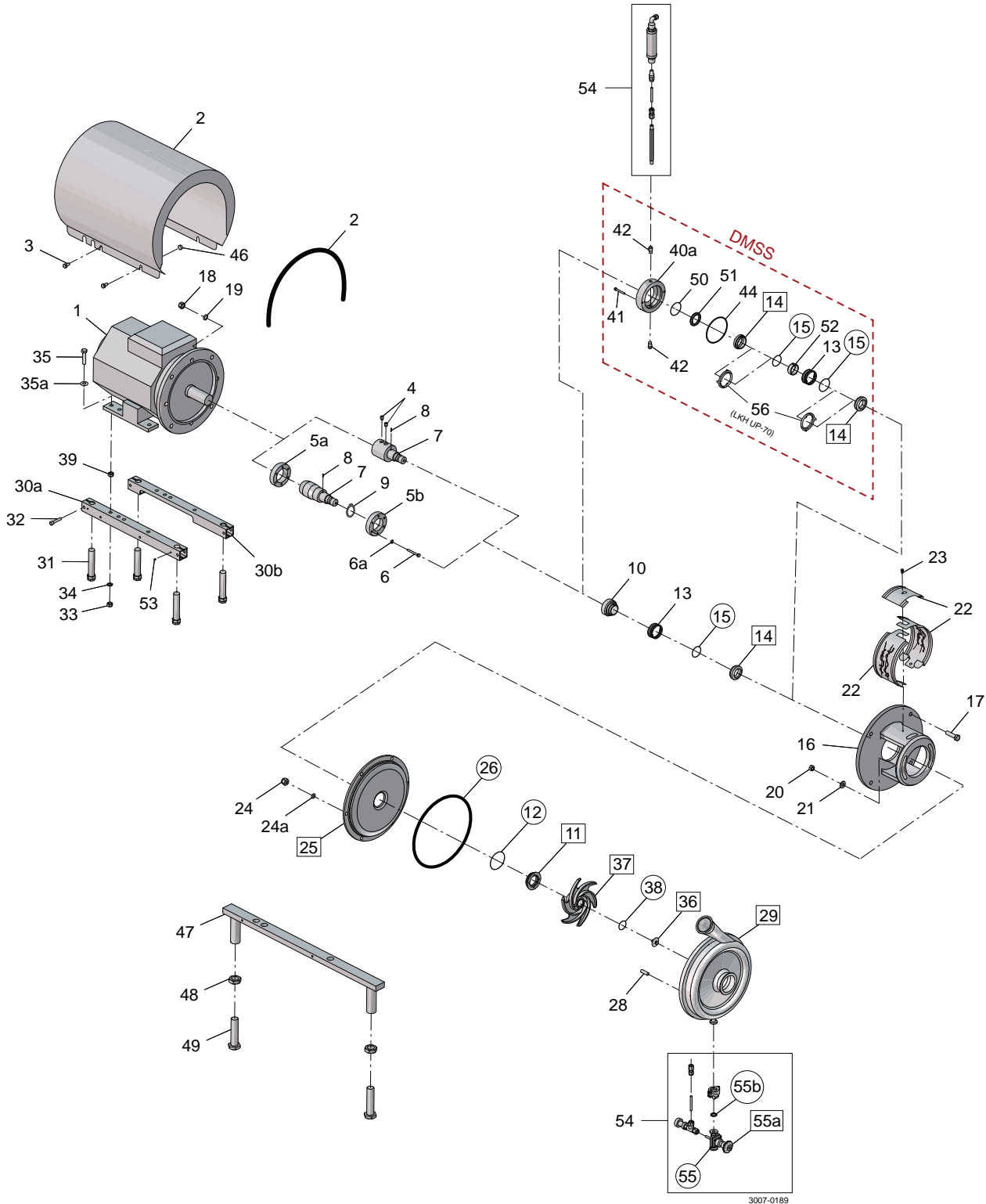


3007-0191



Pos	Qty	Denomination	LKHUP-10 1-20HP	LKHUP-20 1-20HP	LKHUP-25 1-60HP	LKHUP-35 1-60HP
24	6	Cap nut	9611992592	9611992592	9611992593	9611992593
24a	6	Spring washer	9611991888	9611991888	9611991887	9611991887
28	6	Bolt	9611992168	9611992168	9611992169	9611992169
37	1	Impeller, Mech Ra ≤ 20	9612131206	9612131406	9612425206	9612434106
	1	Impeller, EP Ra ≤ 15	9612131425	9612131415	9612425213	9612434113
36	1	Impeller screw, Mech Ra ≤ 20	9612139609	9612139609	9612139609	9612139609
	1	Impeller screw, EP Ra ≤ 15	9612139610	9612139610	9612139610	9612139610
37	1	Impeller, Mech Ra ≤ 20 Delta Ferrite<1%	9612131226	9612131416	9612425214	9612434114
	1	Impeller, EP Ra ≤ 15 Delta Ferrite<1%	9612131227	9612131417	9612425215	9612434115
25	1	Backplate compl, Mech Ra ≤ 20	9612633201	9612633202	9612633204	9612633204
	1	Backplate compl, EP Ra ≤ 15	9612633206	9612633207	9612633208	9612633208
20	2	Nut	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559

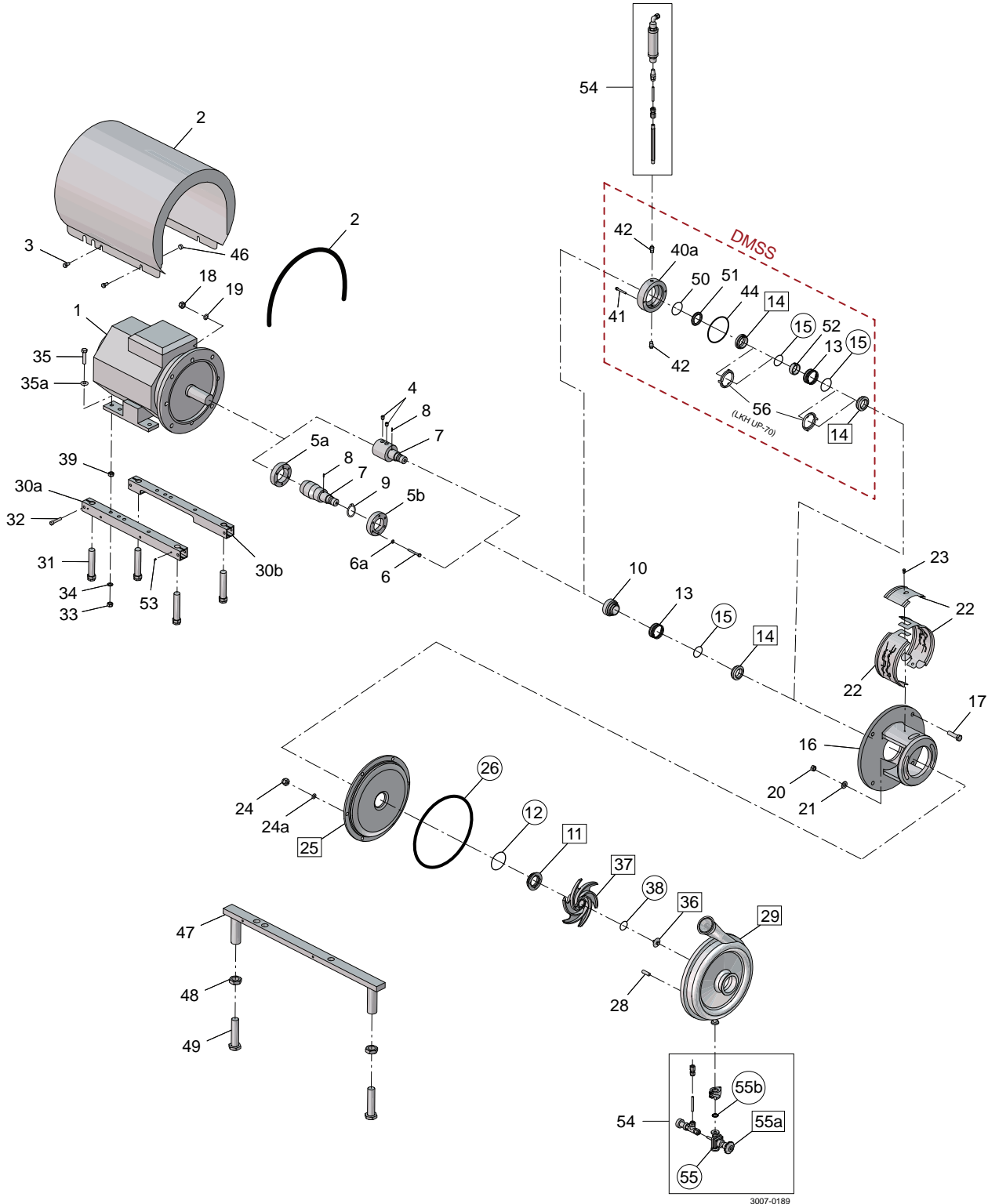
Pos	Qty	Denomination	LKHUP-40 1-60HP	LKHUP-45 1-60HP	LKHUP-60 1-60HP	LKHUP-70 10-100HP
24	6	Cap nut	9611992593	9611992593	9611992593	
24a	6	Spring washer	9611991887	9611991887	9611991887	
28	6	Bolt	9611992169	9611992169	9611992169	
24	8	Cap nut				9611992593
24a	8	Washer				9611991887
28	8	Bolt				9611992169
37	1	Impeller, Mech Ra ≤ 20	9612131806	9612363006	9612128306	9612499403
	1	Impeller, EP Ra ≤ 15	9612131813	9612363014	9612128314	9612499414
36	1	Impeller screw, Mech Ra ≤ 20	9612139609	9612139609	9612139609	9612927111
	1	Impeller screw, EP Ra ≤ 15	9612139610	9612139610	9612139610	9612927112
37	1	Impeller, Mech Ra ≤ 20 Delta Ferrite<1%	9612131814	9612363017	9612128318	9612499416
	1	Impeller, EP Ra ≤ 15 Delta Ferrite<1%	9612131815	9612363019	9612128320	9612499418
25	1	Backplate compl, Mech Ra ≤ 20	9612633205	9612633204	9612633205	9615284403
	1	Backplate compl, EP Ra ≤ 15	9612633210	9612633208	9612633210	9615284404
20	2	Nut	9611990353	9611990353	9611990353	
21	2	Washer		9611992559	9611992559	
20	4	Nut				9611990353
21	4	Washer	9611992559			9611992559
26	□♦	1 Pump casing O-ring, EPDM				
	□♦	1 Pump casing O-ring, FPM				
	□♦	1 Pump casing O-ring, FEP				
38	□♦	1 O-ring impeller screw, EPDM				
	□♦	1 O-ring impeller screw, FPM				
	□♦	1 O-ring impeller screw, FEP				



- Product wetted steel parts
- Product wetted elastomer parts

Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132
<b>LKHUP-10/20/25/35/40/45/60</b>						
7	1	Shaft	9612132402	9612132502	9612132502	9612132602
9	1	Retaining ring	9611992307			
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622
5a	1	Compression ring with thread	9612133601	9612133602	9612133602	9612133605
5b	1	Compression ring without thread	9612133701	9612133702	9612133702	9612133705
6	6	Screw	9611993196	9611993196	9611993196	9611993197
6a	6	Washer	9611993199	9611993199	9611993199	9611993199
16	1	Adaptor	9612342301	9612342401	9612342401	9612342501
17	4	Screw for adaptor	9611992161	9611991834	9611991834	9611992162
18	4	Nut for adaptor	9611990353	9611990587	9611990587	9611990587
19	4	Washer for adaptor	9611991887	9611990676	9611990676	9611990676
22	1	Safety guard set	9614077401	9614077402	9614077402	9614077403
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132201	9612132205	9612132205	9612132206
30b	1	Support bar, left	9612132301	9612132305	9612132305	9612132306
31	4	Leg	9612396702	9612396702	9612396702	9612396702
32	4	Screw	9611991126	9611991126	9611991126	9611991126
33	4	Nut	9611990360	9611990353	9611990353	9611990353
34	4	Spring washer	9611991888	9611991887	9611991887	9611991887
35	4	Screw	9611993241	9611991911	9611991911	9611991911
35a	4	Washer		9611990786	9611990786	9611990786
39	4	Nut		9611990587		
<b>Shroud</b>						
2	1	Shroud	9612139001	9612139003	9612139003	9612139008
3	4	Screw	9611993240	9611993240	9611993240	9611993240
46	4	Distance sleeve		9611992737		9611992737
<b>Accessories</b>						
	1	Tool complete	9612903601	9612903601	9612903601	9612903601

Pos	Qty	Denomination	IEC160	IEC180	IEC200
<b>LKHUP-10/20/25/35/40/45/60</b>					
7	1	Shaft	9612132702	9612132802	9612232902
8	1	Connex pin	9611990622	9611990622	9611990622
5a	1	Compression ring with thread	9612133603	9612133604	9612133607
5b	1	Compression ring without thread	9612133703	9612133704	9612133707
6	6	Screw	9611993198	9611993198	9611993198
6a	6	Washer	9611993199	9611993199	9611993199
16	1	Adaptor	9612342601	9612342601	9612342701
17	4	Screw for adaptor	9611992163	9611992164	9611992164
18	4	Nut for adaptor	9611992160	9611992160	9611992160
19	4	Washer for adaptor	9611991886	9611991886	9611991886
22	1	Safety guard set	9614077404	9614077404	9614077404
23	1	Screw for safety guard	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132203	9612132204	9612342201
30b	1	Support bar, left	9612132303	9612132304	9612342201
31	4	Leg	9612396702	9612396702	9612396701
32	4	Screw	9611991126	9611991126	9611991907
33	4	Nut	9611990587	9611990587	9611992160
34	4	Spring washer	9611990676	9611990676	9611991886
35	4	Screw	9611991834	9611991834	9611993680
35a	4	Washer	9611990706	9611990706	9611990703
<b>Shroud</b>					
2	1	Shroud	9612139005	9612139006	9612593801
3	4	Screw	9611993241	9611993241	9611993243
46	4	Distance sleeve	3143803902	3143803901	3143803903
53	4	Pivot screw			9611991763
<b>Accessories</b>					
	1	Tool complete	9612903601	9612903601	9612903701



- Product wetted steel parts
- Product wetted elastomer parts

Pos	Qty Denomination	IEC132				
		1500rpm	IEC160	IEC180	IEC200	IEC250
<b>LKHUP70</b>						
7	1 Shaft	9612614703	9612512603	9612512303	9612512203	9612501003
8	1 Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622
5a	1 Compression ring with thread	9612133605	9612133603	9612133604	9612133607	9612133608
5b	1 Compression ring without thread	9612133705	9612133703	9612133704	9612133707	9612133708
6	6 Screw	9611993197	9611993198	9611993198	9611993198	9611993266
6a	6 Washer	9611993199	9611993199	9611993199	9611993199	9611993199
16	1 Adaptor	9612614601	9612511901	9612511901	9612511801	9612500801
17	4 Screw for adaptor	9611992162	9611992163	9611992164	9611992164	9611992200
18	4 Nut for adaptor	9611990587	9611992160	9611992160	9611992160	9611992160
19	4 Washer for adaptor	9611990676	9611991886	9611991886	9611991886	9611991886
22	1 Safety guard set	9614077406	9614077407	9614077407	9614077407	9614077408
23	1 Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
30a	1 Support bar, right	9612132206	9612132203	9612132204	9612342201	
30b	1 Support bar, left	9612132306	9612132303	9612132304	9612342201	
31	4 Legs	9612396702	9612396702	9612396702	9612396701	
32	4 Screw	9611991126	9611991126	9611991126	9611991907	
33	4 Nut	9611990353	9611990587	9611990587	9611990587	
34	4 Spring washer	9611991887	9611990676	9611990676	9611990676	
35	4 Screw	9611991911	9611991834	9611991834	9611993680	
35a	4 Washer	9611990786	9611990706	9611990706	9611990703	
47	2 Leg bracket					9612518401
48	4 Nut for leg					9611993260
49	4 Screw for leg					9612518501

**Shroud**

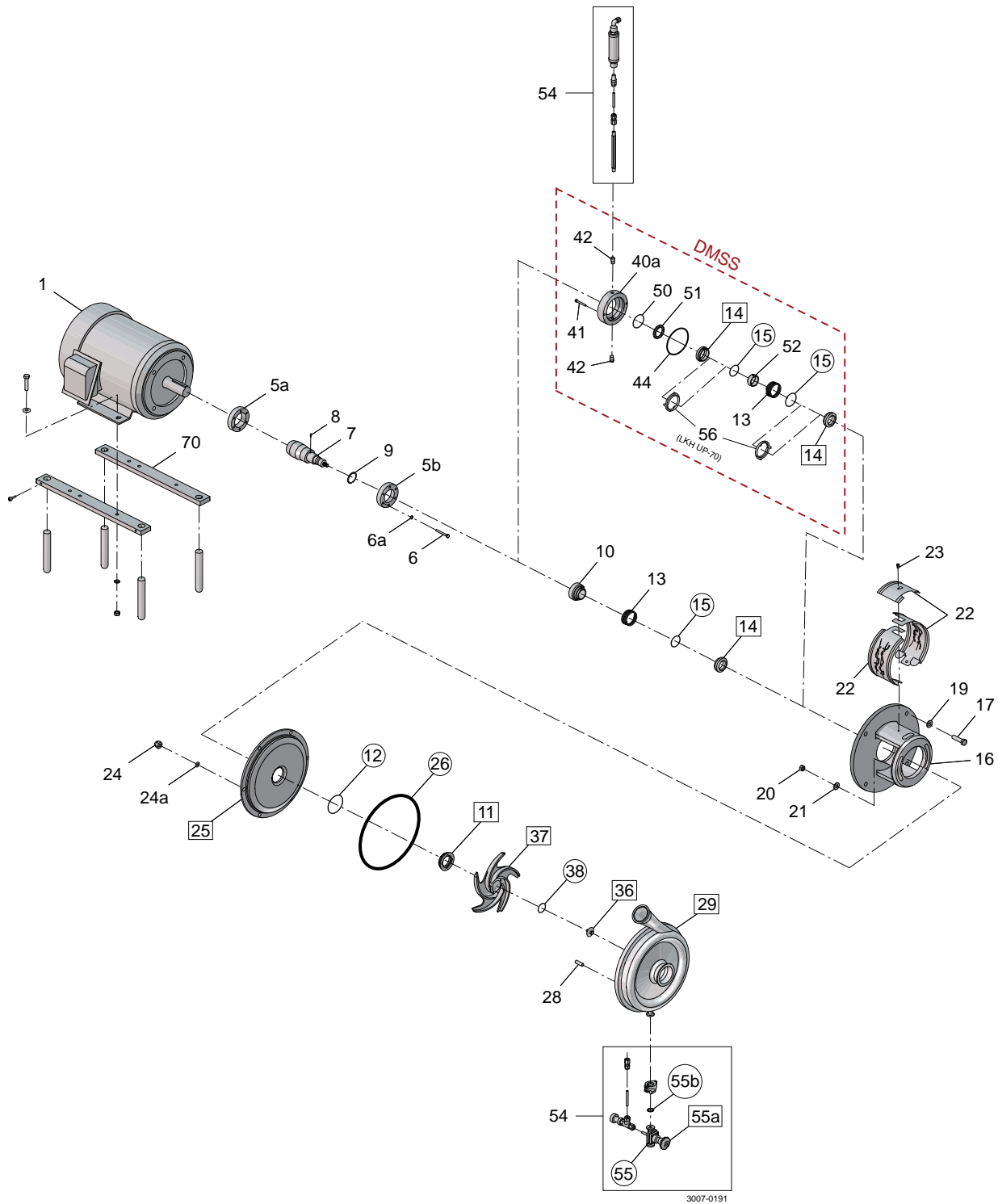
2	1 Shroud	9612139008	9612139005	9612139006	9612593801	9612593804
3	4 Screw	9611993240	9611993241	9611993243	9611993243	9611993243
46	4 Distance sleeve	9611992737	3143803902	3143803901	3143803903	3143803901
53	4 Pivot screw				9611991763	

Pos	Qty Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW
		IEC90	IEC90	IEC100	IEC112	IEC132
1	1 Motor ABB, 3000rpm	9614303003	9614303004	9614303005	9614303006	9614303007

Pos	Qty Denomination	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
		IEC132	IEC160	IEC160	IEC160	IEC180
1	1 Motor ABB, 3000rpm	9614303008	9614303009	9614303010	9614303011	9614303012

Pos	Qty Denomination	30 kW	37 kW	45 kW	55 kW	75 kW
		IEC200	IEC200	IEC200	IEC250	IEC250
1	1 Motor ABB, 3000rpm	9614303013	9614303014	9614303015	9614303016	9614303017

3 ~, 50 Hz, 230VD/400-415VY - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW  
 3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW



Pos	Qty	Denomination	1-2HP 143-145TC	3-5HP 182-184TC	7.5-10HP 213-215TC	15-20HP 254-256TC	25-30HP 284-286TSC	40-60Hp 324-364TC
<b>LKHUP-10/20/25/35/40/45/60</b>								
7	1	Shaft . . . . .	9612133002	9612133102	9612133202	9612133302	9612133302	9612133402
9	1	Retaining ring . . . . .	9611992307					
8	1	Connex pin . . . . .	9611990622	9611990622	9611990622	9611990622	9611990622	9611990622
5a	1	Compression ring with thread . . . . .	9612133601	9612133602	9612133606	9612133603	9612133603	9612133604
5b	1	Compression ring without thread . . . . .	9612133701	9612133702	9612133706	9612133703	9612133703	9612133704
6	6	Screw . . . . .	9611993196	9611993196	9611993197	9611993198	9611993198	9611993198
6a	6	Washer . . . . .	9611993199	9611993199	9611993199	9611993199	9611993199	9611993199
16	1	Adaptor . . . . .	9612342801	9612342901	9612343001	9612343101	9612343102	9612342602
17	4	Screw for adaptor . . . . .	9611994411	9611994412	9611994413	9611994414	9611994414	9611994415
19	4	Washer for adaptor . . . . .	9611994416	9611994417	9611994417	9611994417	9611994417	9611994418
22	1	Safety guard set . . . . .	9614077413	9614077405	9614077412	9614077409	9614077409	9614077409
23	1	Screw for safety guard . . . . .	9611992544	9611992544	9611992544	9611992544	9611992544	9611993239
70	1	Bracket set stainless steel . . . . .	481666	481661	481663	481665	481669	9634056195

**Accessories**

	1	Tool complete . . . . .	9612903601	9612903601	9612903601	9612903601	9612903601	9612903601
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Pos	Qty	Denomination	15-20Hp 254-256TC	25-30Hp 284-286TSC	40-50Hp 324-326TSC	60-75Hp 364-365TSC	100Hp 405TSC
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**LKHUP70**

7	1	Shaft . . . . .	9612512403	9612512403	9612512503	9612512503	9612554003
8	1	Connex pin . . . . .	9611990622	9611990622	9611990622	9611990622	9611990622
5a	1	Compression ring with thread . . . . .	9612133603	9612133603	9612133604	9612133604	9612133607
5b	1	Compression ring without thread . . . . .	9612133703	9612133703	9612133704	9612133704	9612133707
6	6	Screw . . . . .	9611993198	9611993198	9611993198	9611993198	9611993198
6a	6	Washer . . . . .	9611993199	9611993199	9611993199	9611993199	9611993199
16	1	Adaptor . . . . .	9612512001	9612512002	9612511902	9612511902	9612511902
17	4	Screw for adaptor . . . . .	9611994414	9611994414	9611994415	9611994415	9611994415
19	4	Washer for adaptor . . . . .	9611994417	9611994417	9611994418	9611994418	9611994418
22	1	Safety guard set . . . . .	9614077410	9614077410	9614077410	9614077410	9614077410
23	1	Screw for safety guard . . . . .	9611993239	9611993239	9611993239	9611993239	9611993239
70	1	Bracket set stainless steel . . . . .	481665	481669	9634056195	9634056196	9634056196

**Accessories**

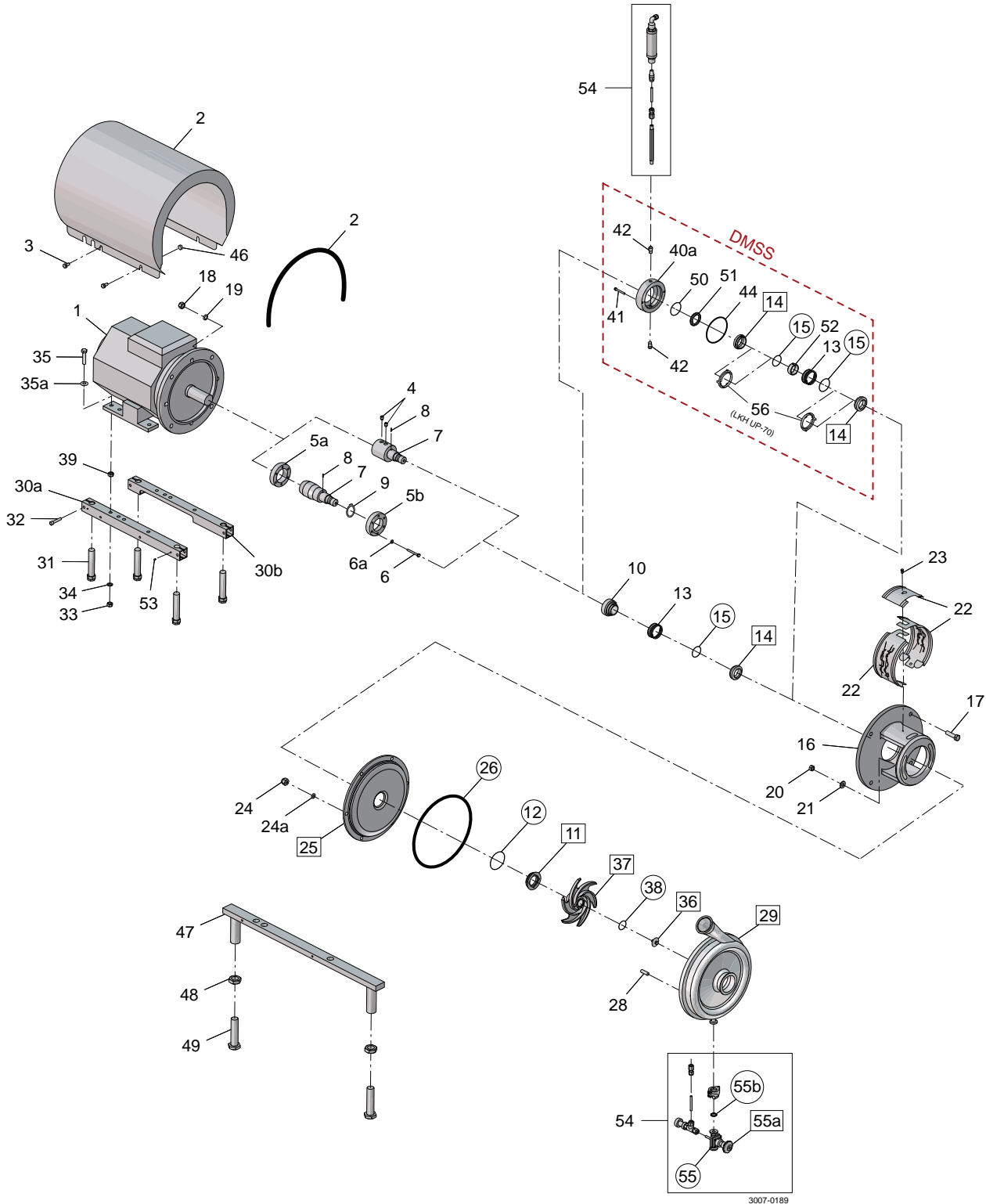
	1	Tool complete . . . . .	9612903701
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Pos	Qty	Denomination	1Hp	1.5Hp	2hp	3Hp	5Hp	7.5Hp
1	1	Motor 3600rpm . . . . .	143TC (1800 rpm)	143TC	145TC	182TC	184TC	213TC

Pos	Qty	Denomination	10Hp	15Hp	20Hp	25Hp	30HP	40Hp
1	1	Motor 3600rpm . . . . .	215TC	254TC	256TC	284TSC	286TSC	324TSC

Pos	Qty	Denomination	50Hp	60Hp	75Hp	100Hp
1	1	Motor 3600rpm . . . . .	326TSC	364TSC	365TSC	405TSC

3/60/208/230-460 - standard





Pos	Qty	Denomination	LKHUP25/35/		
			LKHUP10/20	40/45/60	LKHUP70
10	1	Drive ring, Single shaft seal steel	9614206001	9614206001	9612514901
<b>Flushing set</b>					
54	1	Basic 1/2"	9612610607	9612610601	9612610608
55	1	Diaphragm EPDM, for Diaphragm valve from 2014 -	9615000101	9615000101	9615000101
55a	1	Diaphragm valve	9615017635	9615017635	9615017635
55b	1	1/2" clamp gasket, EPDM	9615356701	9615356701	9615356701
<b>Parts for double mechanical shaft seal</b>					
40a	1	Seal housing	9612133902	9612133902	9612591401
41	2	Screw for seal housing	9611990203	9611990203	9611993766
42	2	Fittings	9611992323	9611992323	9611992323
<b>Single shaft seal SiC/SiC</b>					
11	□	1 Stationary seal ring, SiC			
12	□	1 O-ring			
13	□	1 Spring			
14	□	1 Rotating seal ring, SiC			
15	□	1 O-ring			
<b>Double mechanical shaft seal SiC/SiC</b>					
11	◆	1 Stationary seal ring, SiC			
12	◆	1 O-ring			
13	◆	1 Spring			
14	◆	2 Rotating seal ring, SiC			
15	◆	2 O-ring			
44	◆	1 O-ring for seal housing			
50	◆	1 O-ring			
51	◆	1 Sec. stationary seal ring			
52	◆	1 Drive ring			
56	◆	2 Cup			

		EPDM	FPM	FEP
<b>Service kit for single shaft seal (incl. Q-doc)</b>				
□	Service kit LKHUP-10	9611922339	9611922338	9611922340
□	Service kit LKHUP-20	9611922357	9611922356	9611922358
□	Service kit LKHUP-25/35/45	9611922375	9611922374	9611922376
□	Service kit LKHUP-40/60	9611922393	9611922392	9611922394
□	Service kit LKHUP-70	9611920549	9611920550	9611920551
<b>Service kit for double mechanical shaft (incl. Q-doc)</b>				
◆	Service kit LKHUP-10	9611922345	9611922344	9611922346
◆	Service kit LKHUP-20	9611922363	9611922362	9611922364
◆	Service kit LKHUP-25/35/45	9611922381	9611922380	9611922382
◆	Service kit LKHUP-40/60	9611922399	9611922398	9611922400
◆	Service kit LKHUP-70	9611920552	9611920553	9611920554

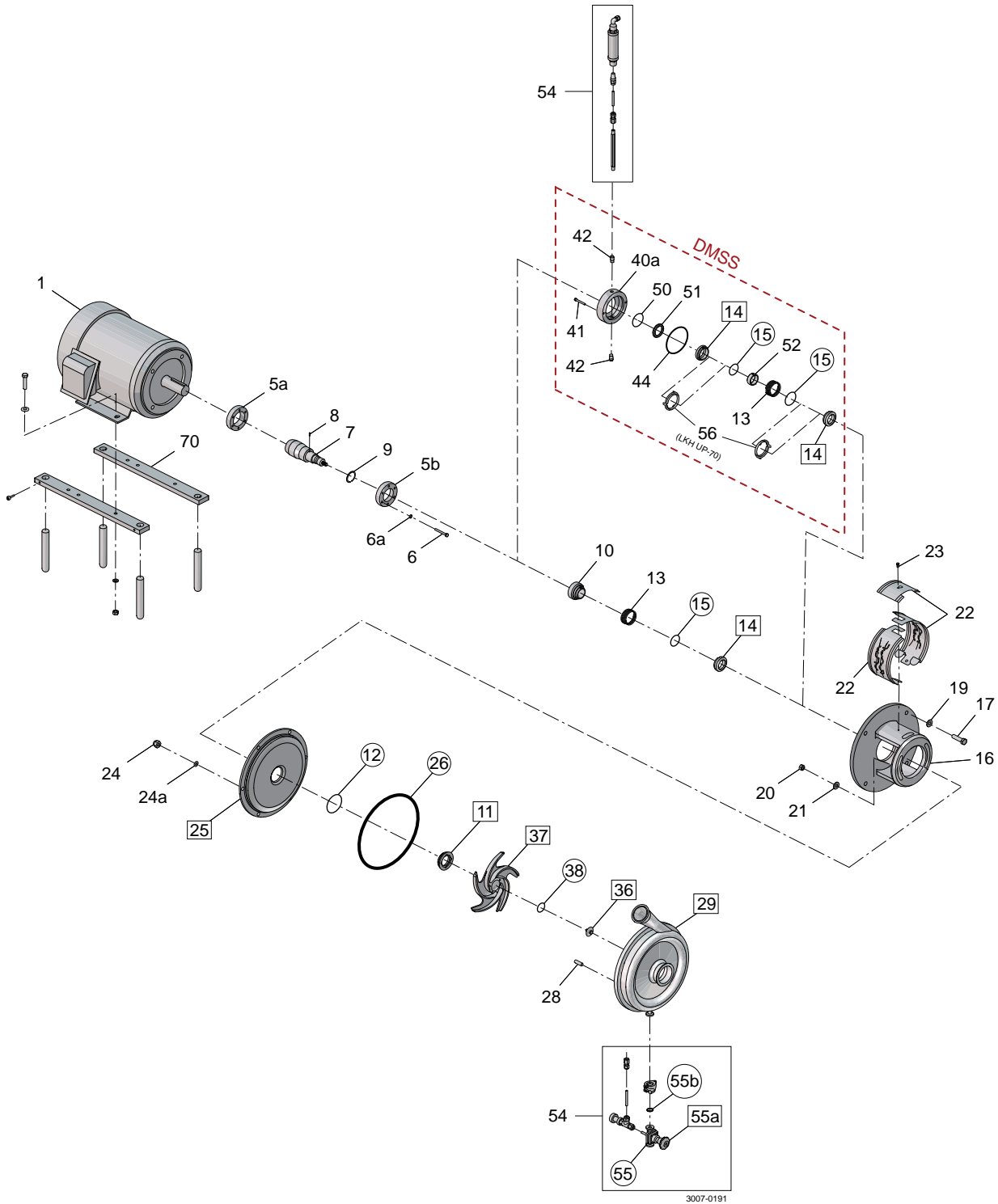
Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity.

Parts marked with □◆ are included in the service kits.

Recommended spare parts: Service kits.

Conversion kit single to double mechanical shaft seal : Please order Double mechanical service kit + pos. 40a + 41 + 42

(900065/19)



- Product wetted part
- Product wetted steel part

Pos	Qty	Denomination	LKHUP10/20/25	
			35/40/45/60	LKHUP70
10	1	Drive ring, Single shaft seal steel	9614206001	9612514901
<b>Flushing set</b>				
54	1	Complete flushing set, 1/2"	9634075242	9634075242
55	1	1/2" Diaphragm PTFE, for Diaphragm valve	9614119201	9614119201
	1	Backing for PTFE Diaphragm	9614119301	9614119301
55a	1	1/2" Diaphragm valve	9634094731	9634094731
55b	1	1/2" clamp gasket, EPDM	9615356701	9615356701
54	1	Complete flushing set 3/4"	9634075243	9634075243
55	1	3/4" Diaphragm PTFE for Diaphragm valve	9614119401	9614119401
	1	Backing for PTFE Diaphragm	9614119501	9614119501
55a	1	3/4" Diaphragm valve	9634095340	9634095340
55b	1	3/4" Clamp gasket, EPDM	9634097001	9634097001
<b>Parts for double mechanical shaft seal</b>				
40a	1	Seal housing	9612133902	9612591401
41	2	Screw for seal housing	9611990203	9611993766
42	2	Fittings	9611992323	9611992323
□		Single shaft seal, SiC/SiC		
11	1	Stationary seal ring, SiC		
12	1	O-ring		
13	1	Spring		
14	1	Rotating seal ring, SiC		
15	1	O-ring		
●		Double mechanical shaft seal, SiC/SiC		
11	1	Stationary seal ring, SiC		
12	1	O-ring		
13	1	Spring		
14	2	Rotating seal ring, SiC		
15	2	O-ring		
44	1	O-ring, for seal housing		
50	1	O-ring		
51	1	Sec. stationary seal ring		
52	1	Drive ring		
56	2	Cup		

	EPDM	FPM	FEP
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**Service kit for single shaft seal (incl. Q-doc)**

Service kit LKHUP-10	9611922339	9611922338	9611922340
Service kit LKHUP-20	9611922357	9611922356	9611922358
Service kit LKHUP-25/35/45	9611922375	9611922374	9611922376
Service kit LKHUP-40/60	9611922393	9611922392	9611922394
Service kit LKHUP-70	9611920549	9611920550	9611920551

**Service kit for double mechanical shaft (incl. Q-doc)**

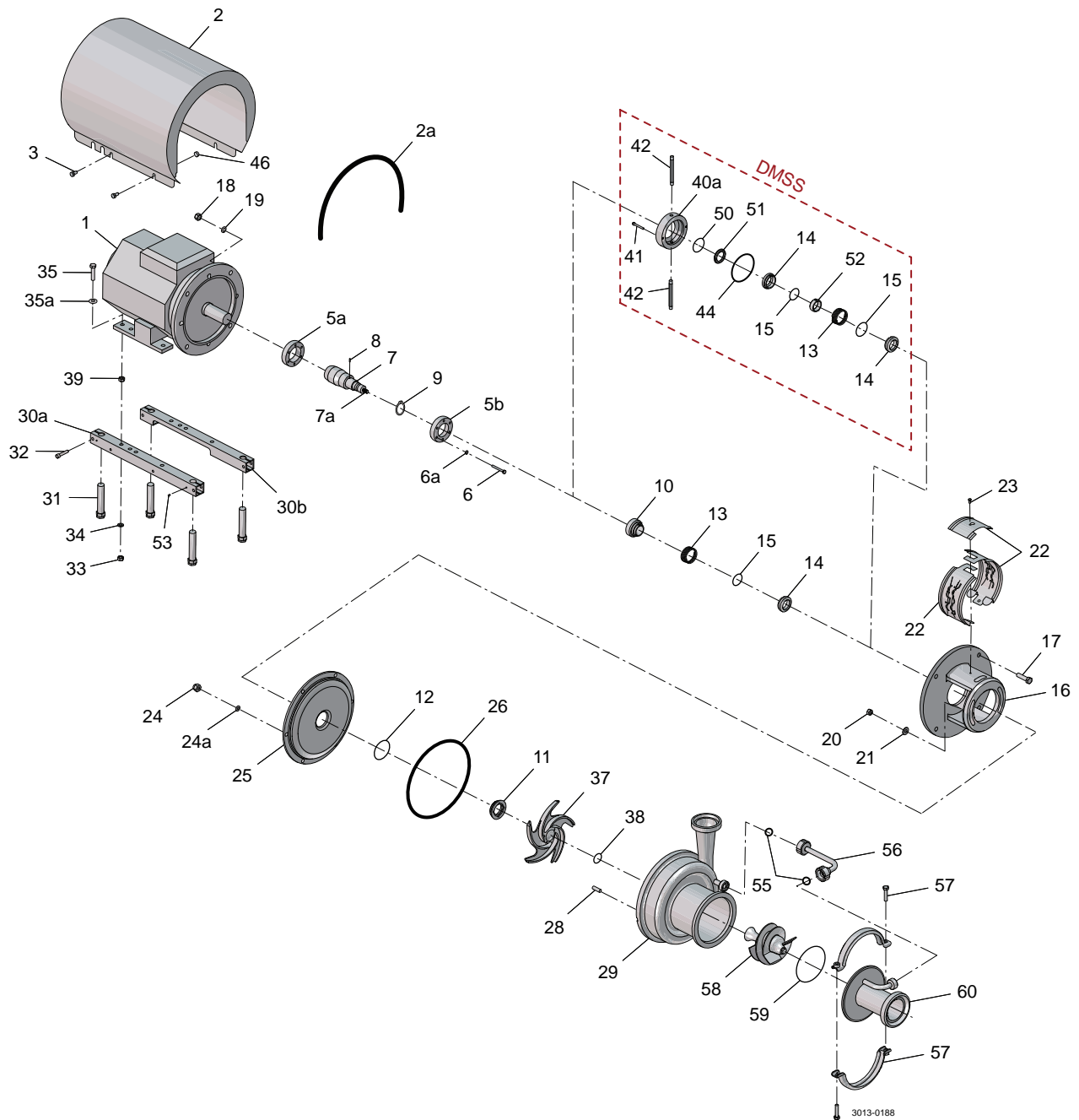
Service kit LKHUP-10	9611922345	9611922344	9611922346
Service kit LKHUP-20	9611922363	9611922362	9611922364
Service kit LKHUP-25/35/45	9611922381	9611922380	9611922382
Service kit LKHUP-40/60	9611922399	9611922398	9611922400
Service kit LKHUP-70	9611920552	9611920553	9611920554

Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity.

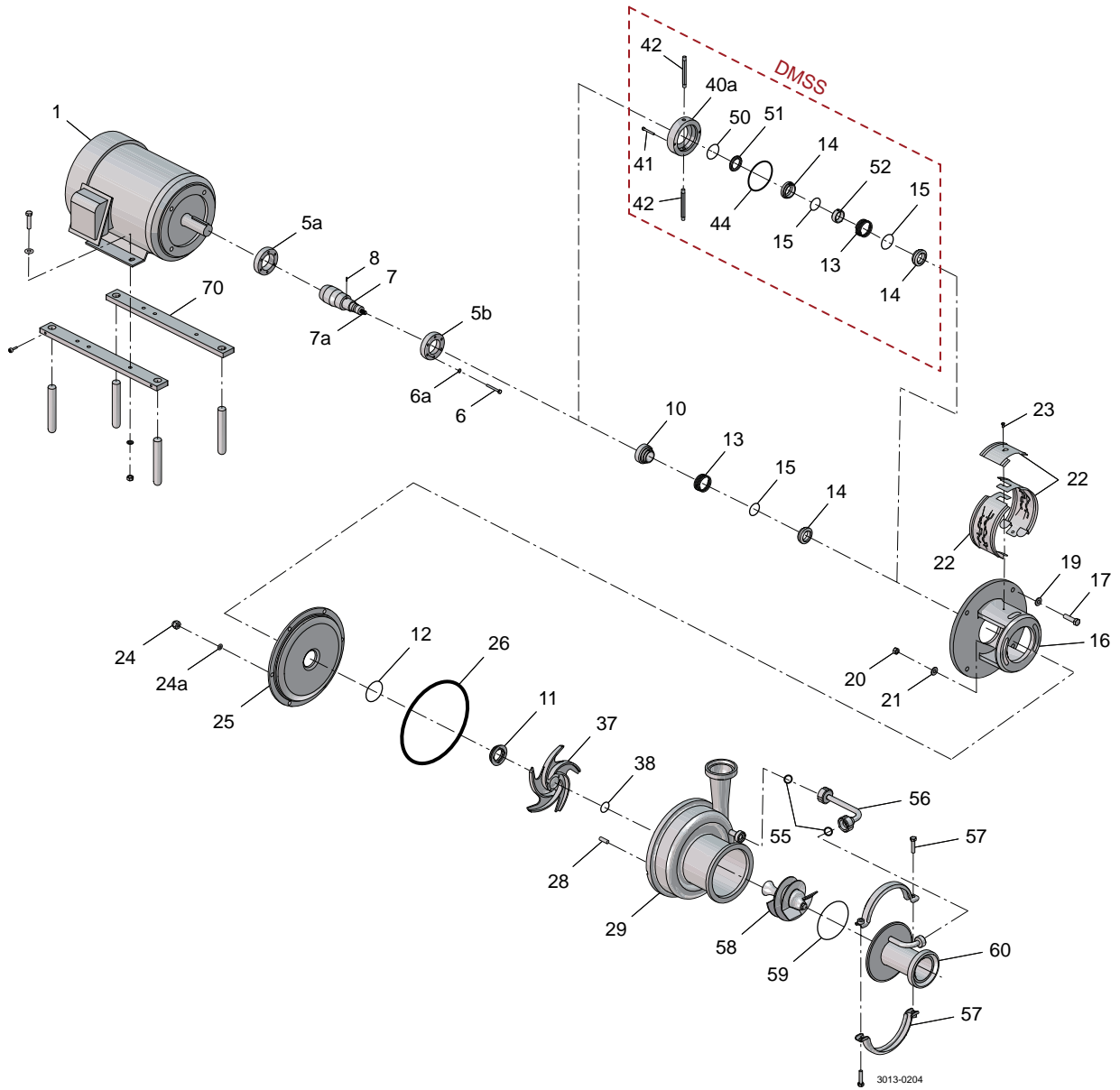
Parts marked with □● are included in the service kits.

Recommended spare parts: Service kits.

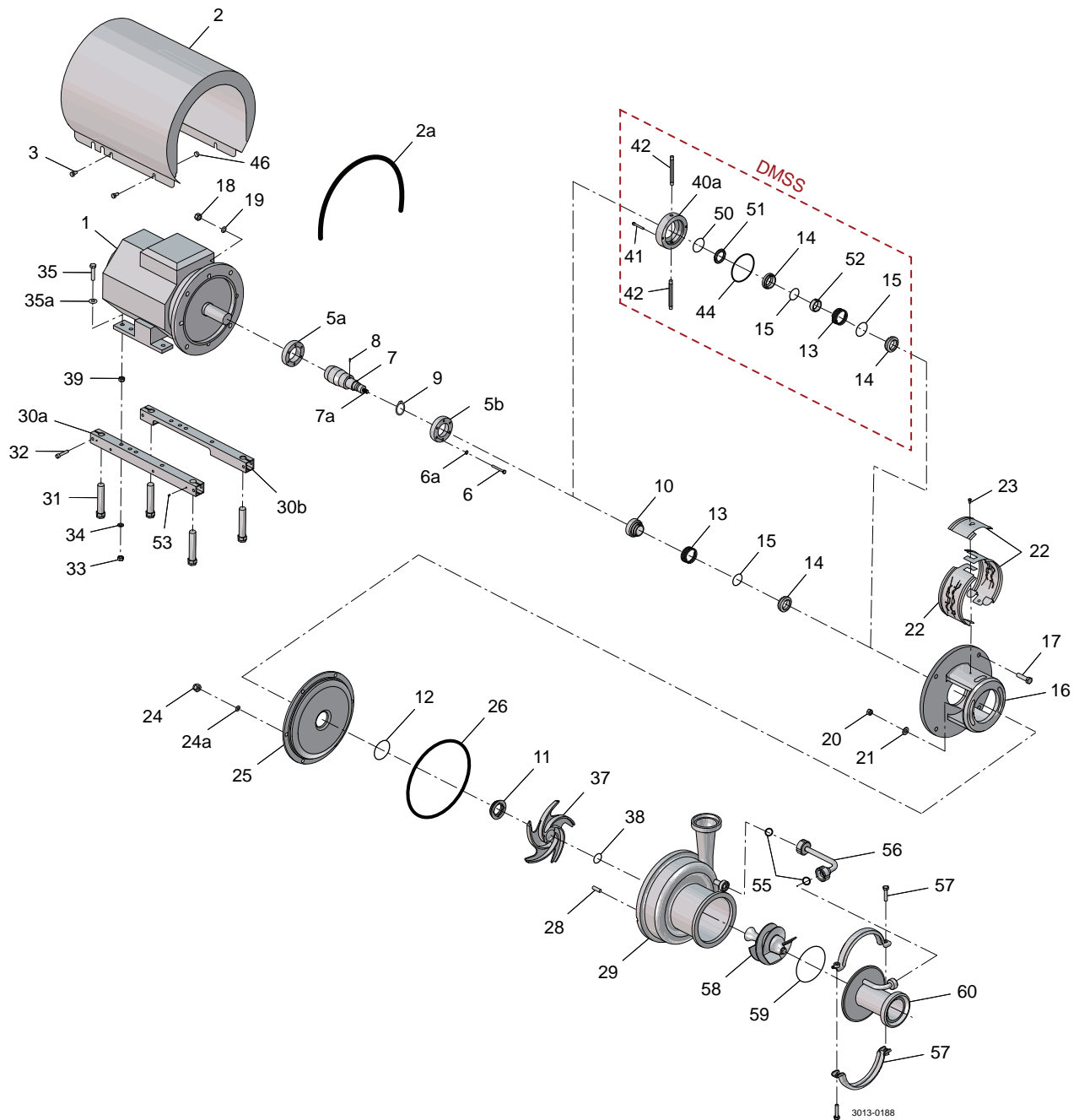
Conversion kit single to double mechanical shaft seal : Please order Double mechanical service kit + pos. 40a + 41 + 42



Pos	Qty	Denomination	LKH Prime 10 IEC90- IEC100	LKH Prime 20 IEC90- IEC160	LKH Prime 40 IEC132- IEC200
<b>Pump casing standard blasted</b>					
29		Pump casing, IDF	9615261101	9615261108	9615261115
		Pump casing, SMS	9615261102	9615261109	9615261116
		Pump casing, DIN/ISO	9615261103	9615261110	9615261117
		Pump casing, ISO	9615261104	9615261111	9615261118
		Pump casing, BS	9615261105	9615261112	9615261119
		Pump casing, DS	9615261106	9615261113	9615261120
		Pump casing, DIN/DIN	9615261107	9615261114	9615261121
<b>Pump casing Mech Ra ≤ 0.8</b>					
		Pump casing, IDF	9615261201	9615261208	9615261215
		Pump casing, SMS	9615261202	9615261209	9615261216
		Pump casing, DIN/ISO	9615261203	9615261210	9615261217
		Pump casing, ISO	9615261204	9615261211	9615261218
		Pump casing, BS	9615261205	9615261212	9615261219
		Pump casing, DS	9615261206	9615261213	9615261220
		Pump casing, DIN/DIN	9615261207	9615261214	9615261221
<b>Front cover standard blasted</b>					
60		Front cover, IDF	9615261301	9615261308	9615261315
		Front cover, SMS	9615261302	9615261309	9615261316
		Front cover, DIN/ISO	9615261303	9615261310	9615261317
		Front cover, ISO	9615261304	9615261311	9615261318
		Front cover, BS	9615261305	9615261312	9615261319
		Front cover, DS	9615261306	9615261313	9615261320
		Front cover, DIN/DIN	9615261307	9615261314	9615261321
<b>Front cover Mech Ra ≤ 0.8</b>					
		Front cover, IDF	9615261401	9615261408	9615261415
		Front cover, SMS	9615261402	9615261409	9615261416
		Front cover, DIN/ISO	9615261403	9615261410	9615261417
		Front cover, ISO	9615261404	9615261411	9615261418
		Front cover, BS	9615261405	9615261412	9615261419
		Front cover, DS	9615261406	9615261413	9615261420
		Front cover, DIN/DIN	9615261407	9615261414	9615261421
59	◆△◆●	1 O-ring, EPDM			
		1 O-ring, NBR			
		1 O-ring, FPM			
56		1 Recirculation pipe, standard blasted	9615202003	9615202003	9615202003
		1 Recirculation pipe, Mech Ra ≤ 0.8	9615202004	9615202004	9615202004
55	◆△◆●	2 O-ring, EPDM			
		2 O-ring, NBR			
		2 O-ring, FPM			
57		1 Clamp set	9611311057	9611311057	9611311058
58		1 Air screw, standard blasted	9615491902	9615216502	9615216702
		1 Air screw, Mech Ra ≤ 0.8	9615491904	9615216504	9615216703
24		6 Cap nut	9611992592	9611992592	9611992593
24a		6 Washer	9611991888	9611991888	9611991887
28		6 Bolt	9611992168	9611992168	9611992169
26	◆△◆●	1 O-ring, EPDM			
		1 O-ring, NBR			
		1 O-ring, FPM			
37		1 Impeller, standard blasted	9612131214	9612131402	9612131802
		1 Impeller, Mech Ra ≤ 0.8	8010000650	9612131418	9612131816
38	◆△◆●	1 O-ring, EPDM			
		1 O-ring, NBR			
		1 O-ring, FPM			
25		1 Back plate, standard blasted	9612138404	9612138405	9612138406
		1 Back plate, Mech Ra ≤ 0.8	9612138420	9612138421	9612138422
20		2 Nut	9611990353	9611990353	9611990353
21		2 Washer	9611992559	9611992559	9611992559



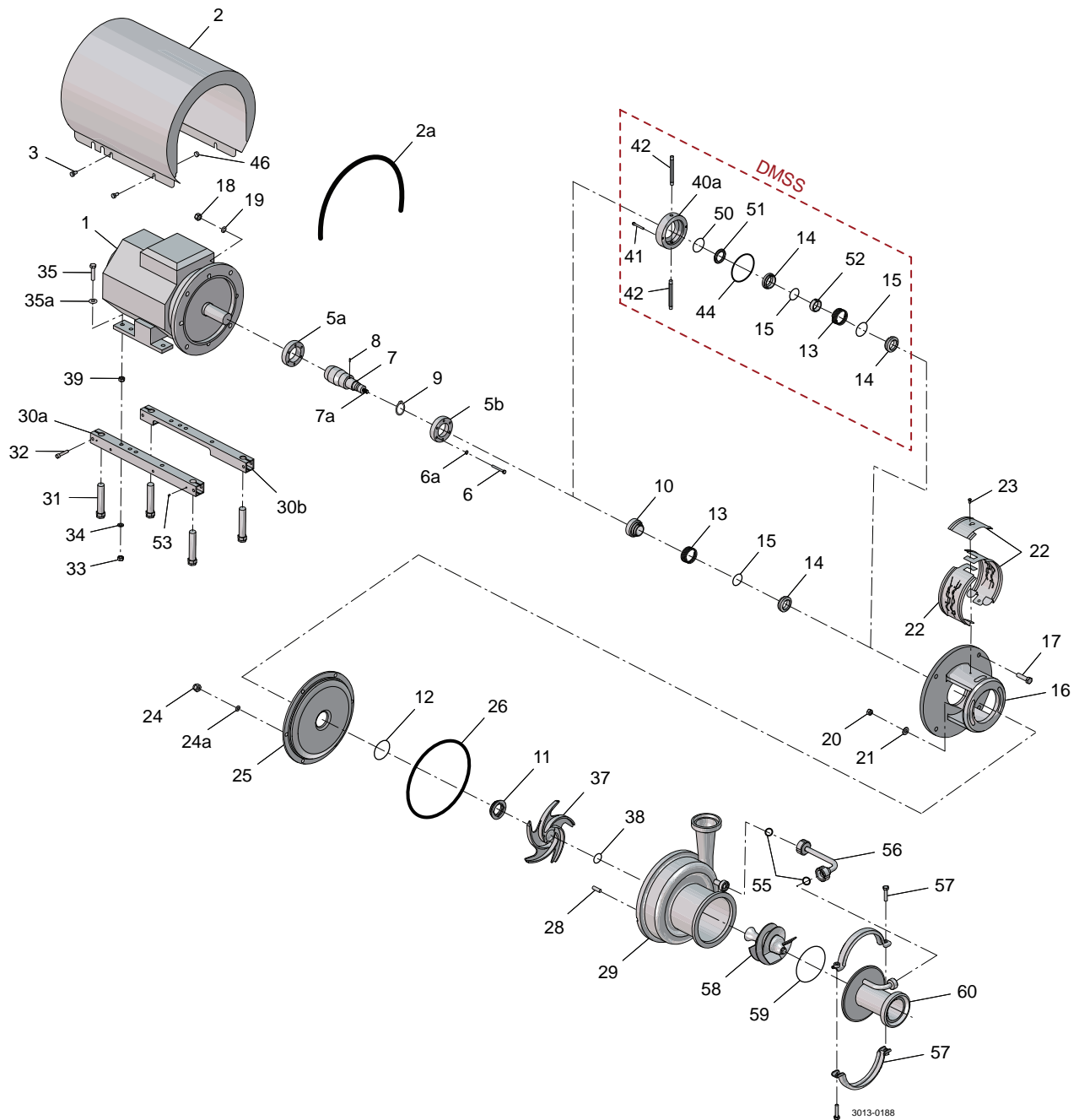
Pos	Qty	Denomination	LKH Prime 10 3-10 Hp	LKH Prime 20 3-20 Hp	LKH Prime 40 15-60 Hp
<b>Pump casing Mech Ra ≤ 32</b>					
29	1	Pump casing, Tri-clamp	9615262001	9615262002	9615262004
<b>Pump casing Mech Ra ≤ 20</b>					
	1	Pump casing, Tri-clamp	9615262005	9615262006	9615262008
<b>Front cover Mech Ra ≤ 32</b>					
60	1	Pump cover, Tri-clamp	9615262101	9615262102	9615262104
<b>Front cover Mech Ra ≤ 20</b>					
	1	Pump cover, Tri-clamp	9615262105	9615262106	9615262108
59	◆△◆●	1 O-ring, EPDM			
		1 O-ring, NBR			
		1 O-ring, FPM			
56		1 Recirculation pipe, Mech Ra ≤ 32	9615202004	9615202004	9615202003
		1 Recirculation pipe, Mech Ra ≤ 20	9615202005	9615202005	9615202004
55	◆△◆●	2 O-ring, EPDM			
		2 O-ring, NBR			
		2 O-ring, FPM			
57		1 Clamp set	9611311057	9611311057	9611311058
58		1 Air screw, Mech Ra ≤ 32	9615491904	9615216504	9615216703
		1 Air screw, Mech Ra ≤ 20	9615491907	9615216507	9615216704
24		6 Cap nut	9611992592	9611992592	9611992593
24a		6 Spring washer	9611991888	9611991888	9611991887
28		6 Bolt	9611992168	9611992168	9611992169
26	◆△◆●	1 O-ring, EPDM			
		1 O-ring, NBR			
		1 O-ring, FPM			
37		1 Impeller, Mech Ra ≤ 32	8010000650	9612131418	9612131816
		1 Impeller, Mech Ra ≤ 20	8010000653	9612131406	9612131806
38	◆△◆●	1 O-ring, EPDM			
		1 O-ring, NBR			
		1 O-ring, FPM			
25		1 Back plate, Mech Ra ≤ 32	9612138420	9612138421	9612138422
		1 Back plate, Mech Ra ≤ 20	9612138434	9612138435	9612138438
20		2 Nut	9611990353	9611990353	9611990353
21		2 Washer	9611992559	9611992559	9611992559





Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160
5a	1	Compression ring with thread	9612133601	9612133602	9612133602	9612133605	9612133603
5b	1	Compression ring without thread	9612133701	9612133702	9612133702	9612133705	9612133703
6	6	Screw	9611993196	9611993196	9611993196	9611993197	9611993198
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft LKH Prime 10/20	9615230401	9615230402	9615230402	9615230403	9615230404
	1	Shaft LKH Prime 40				9615422401	9615422501
7a	1	Stud bolt (included in pos 7, LKH Prime 10/20)	9615230301	9615230301	9615230301	9615230301	9615230301
8	1	Connex pin, (included in pos 7)	9611990622	9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring, (included in pos 7)	9611992307				
2	1	Shroud	9612139001	9614192203	9612139003	9612139008	9612139005
2a	1	Edge list, (Included in pos. 2)					
3	4	Screw	9611993240	9611993240	9611993240	9611993240	9611993241
16	1	Adaptor	9612342301	9612342401	9612342401	9612342501	9612342601
17	4	Screw for adapter	9611992161	9611991834	9611991834	9611992162	9611992163
18	4	Nut for adapter	9611990353	9611990587	9611990587	9611990587	9611992160
19	4	Washer for adapter	9611991887	9611990676	9611990676	9611990676	9611991886
22	1	Safety guard set	9614077401	9614077402	9614077402	9614077403	9614077404
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132201	9612132205	9612132205	9612132206	9612132203
30b	1	Support bar, left	9612132301	9612132305	9612132305	9612132306	9612132303
31	4	Leg	9612396701	9612396701	9612396701	9612396701	9612396701
32	4	Screw	9611991126	9611991126	9611991126	9611991126	9611991126
33	4	Nut	9611990360	9611990353	9611990353	9611990353	9611990587
34	4	Spring washer	9611991888	9611991887	9611991887	9611991887	9611990676
35	4	Screw	9611993241	9611991911	9611991911	9611991911	9611991834
35a	4	Washer		9611990786	9611990786	9611990786	9611990706
39	4	Nut		9611990587			
46	4	Distance sleeve		9611992737		9611992737	3143803902

Pos	Qty	Denomination	IEC180	IEC200
5a	1	Compression ring with thread	9612133604	9612133607
5b	1	Compression ring without thread	9612133704	9612133707
6	6	Screw	9611993198	9611993198
6a	6	Washer	9611993199	9611993199
7	1	Shaft LKH Prime 10/20		
	1	Shaft LKH Prime 40	9615422601	9615422701
7a	1	Stud bolt (included in pos 7, LKH Prime 10/20)		
8	1	Connex pin, (included in pos 7)	9611990622	9611990622
9	1	Retaining ring, (included in pos 7)		
2	1	Shroud	9612139006	9612593801
2a	1	Edge list (Included in pos. 2)		
3	4	Screw	9611993243	9611993243
16	1	Adaptor	9612342601	9612342701
17	4	Screw for adapter	9611992164	9611992164
18	4	Nut for adapter	9611992160	9611992160
19	4	Washer for adapter	9611991886	9611991886
22	1	Safety guard set	9614077404	9614077404
23	1	Screw for safety guard	9611993239	9611993239
30a	1	Support bar, right	9612132204	9612342201
30b	1	Support bar, left	9612132304	9612342201
31	4	Leg	9612396701	9612396701
32	4	Screw	9611991126	9611991907
33	4	Nut	9611990587	9611990587
34	4	Spring washer	9611990676	9611990676
35	4	Screw	9611991834	9611993680
35a	4	Washer	9611990706	9611990703
39	4	Nut		
46	4	Distance sleeve	3143803903	3143803903
53	4	Pivot screw		9611991763

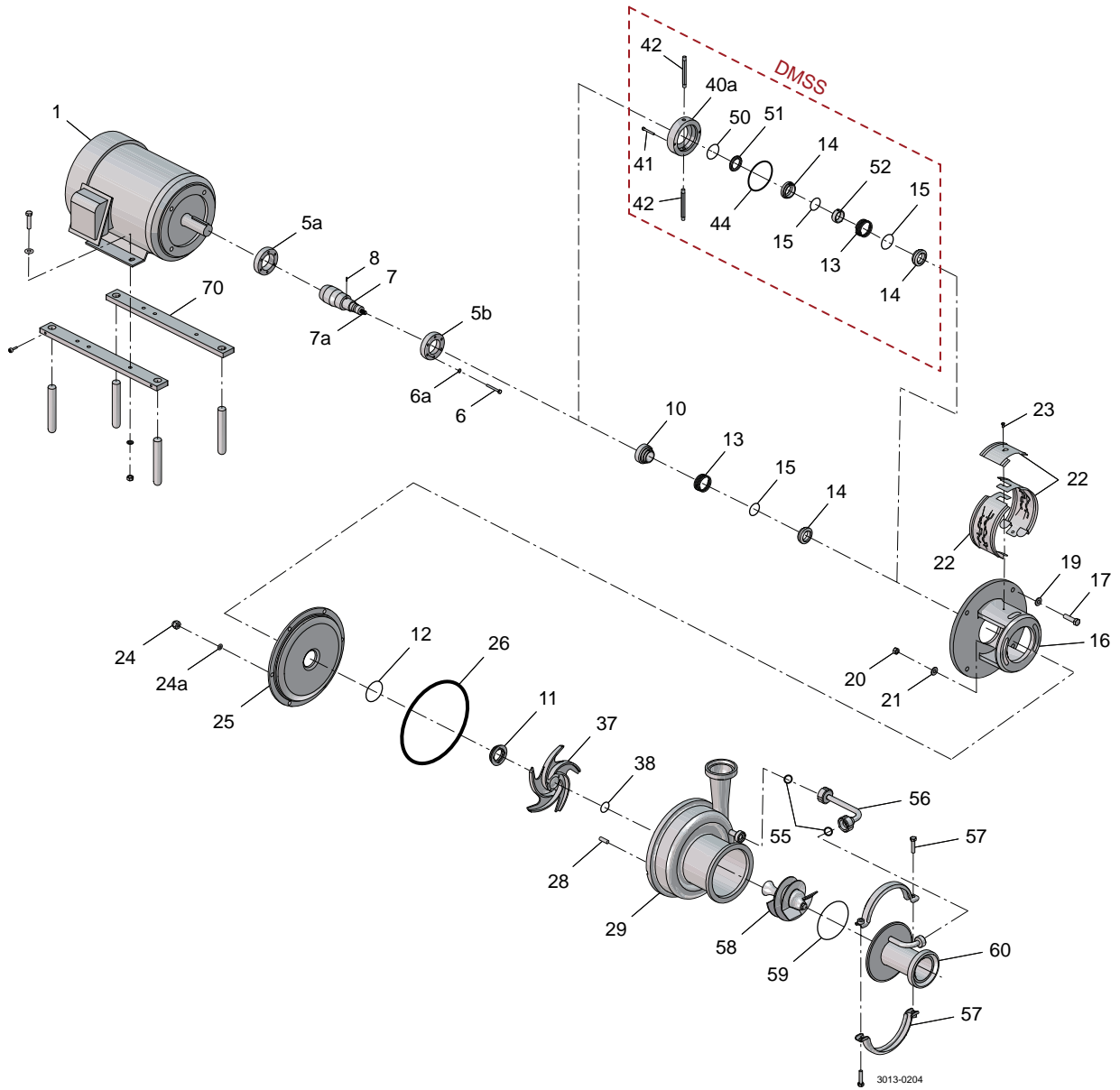


Pos	Qty	Denomination	1.5 kW IEC90	2.2 kW IEC90	3 kW IEC100	4 kW IEC112	5.5 kW IEC132
1	1	Motor ABB, 3000rpm	9614303003	9614303004	9614303005	9614303006	9614303007

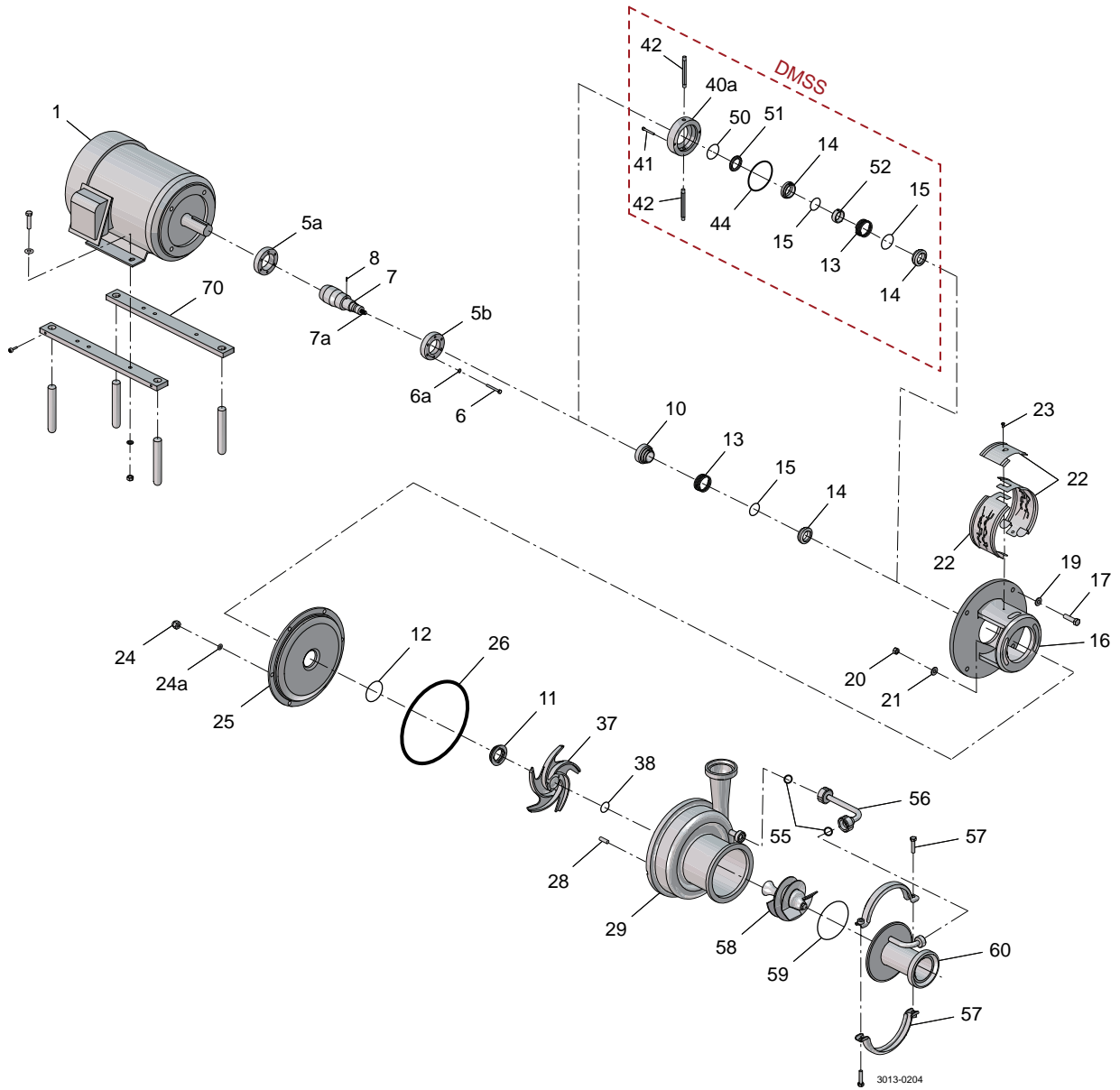
Pos	Qty	Denomination	7.5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor ABB, 3000rpm	9614303008	9614303009	9614303010	9614303011	9614303012

Pos	Qty	Denomination	30 kW IEC200	37 kW IEC200	45 kW IEC200
1	1	Motor ABB, 3000rpm	9614303013	9614303014	9614303015

3 ~, 50 Hz, 230VD/400-415VY - Standard ≤ 22 kW  
 3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW



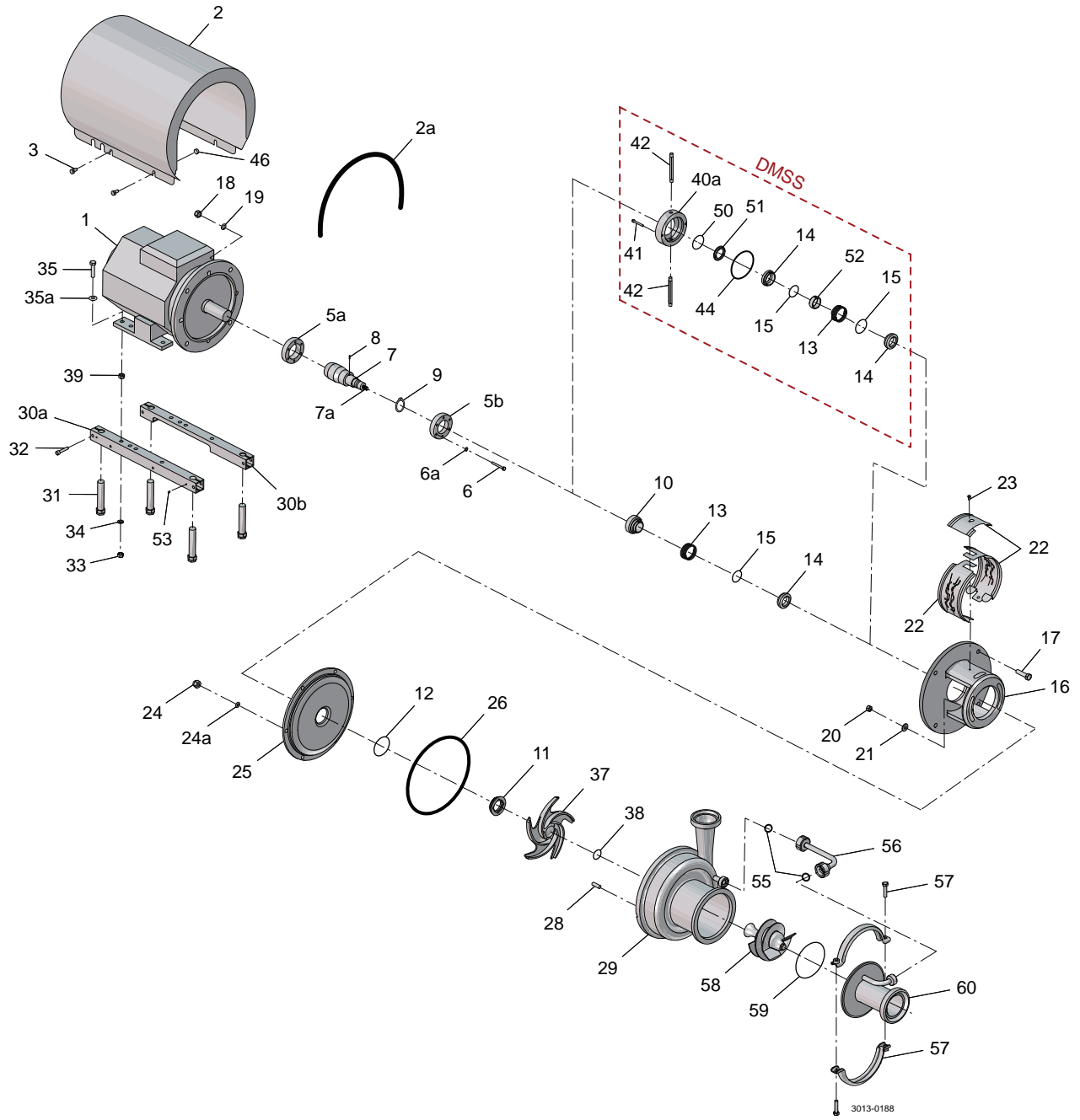
Pos	Qty	Denomination	3-5 Hp	7,5-10 Hp	15-20 Hp	25-30 Hp	40-60 Hp
5a	1	Compression ring, with thread . . . . .	9612133602	9612133606	9612133603	9612133603	9612133604
5b	1	Compression ring, without thread . . . . .	9612133702	9612133706	9612133703	9612133703	9612133704
6	6	Screw . . . . .	9611993196	9611993197	9611993198	9611993198	9611993198
6a	6	Washer . . . . .	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft LKH Prime 20 . . . . .	9615230407	9615230408	9615230409		
	1	Shaft LKH Prime 40 . . . . .			9615422901	9615422901	9615423101
7a	1	Stud bolt, (included in pos 7) . . . . .	9615230301	9615230301	9615230301		
8	1	Connex pin, (included in pos 7) . . . . .	9611990622	9611990622	9611990622	9611990622	9611990622
16	1	Adaptor . . . . .	9612342901	9612343001	9612343101	9612343102	9612342602
17	4	Screw for adaptor . . . . .	9611994412	9611994413	9611994414	9611994414	9611994415
19	4	Washer for adaptor . . . . .	9611994417	9611994417	9611994417	9611994417	9611994418
22	1	Safety guard set . . . . .	9614077405	9614077408	9614077409	9614077409	9614077409
23	1	Screw for safety guard . . . . .					
70	1	Leg bracket . . . . .	481661	481663	481665	481669	9634056195



Pos	Qty	Denomination	3 Hp	5 Hp	7.5 Hp	10 Hp	15 Hp	20 Hp
1	1	Motor .....	182TC	184TC	213TC	215TC	254TC	256TC

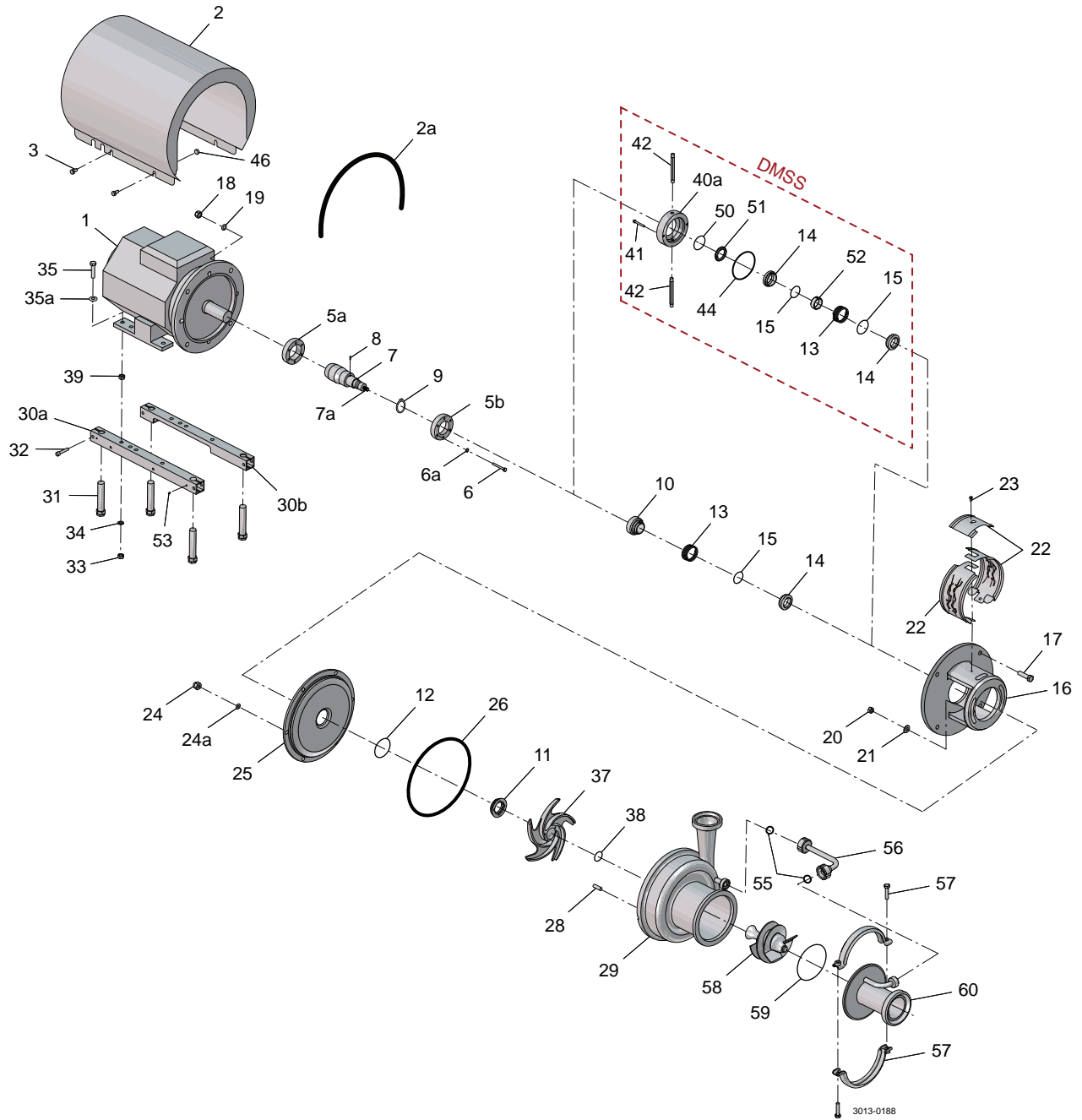
Pos	Qty	Denomination	25 Hp	30 Hp	40 Hp	50 Hp	60 Hp
1	1	Motor .....	284TSC	286TSC	324TSC	326TSC	364TSC

3/60/208/230-460-standard

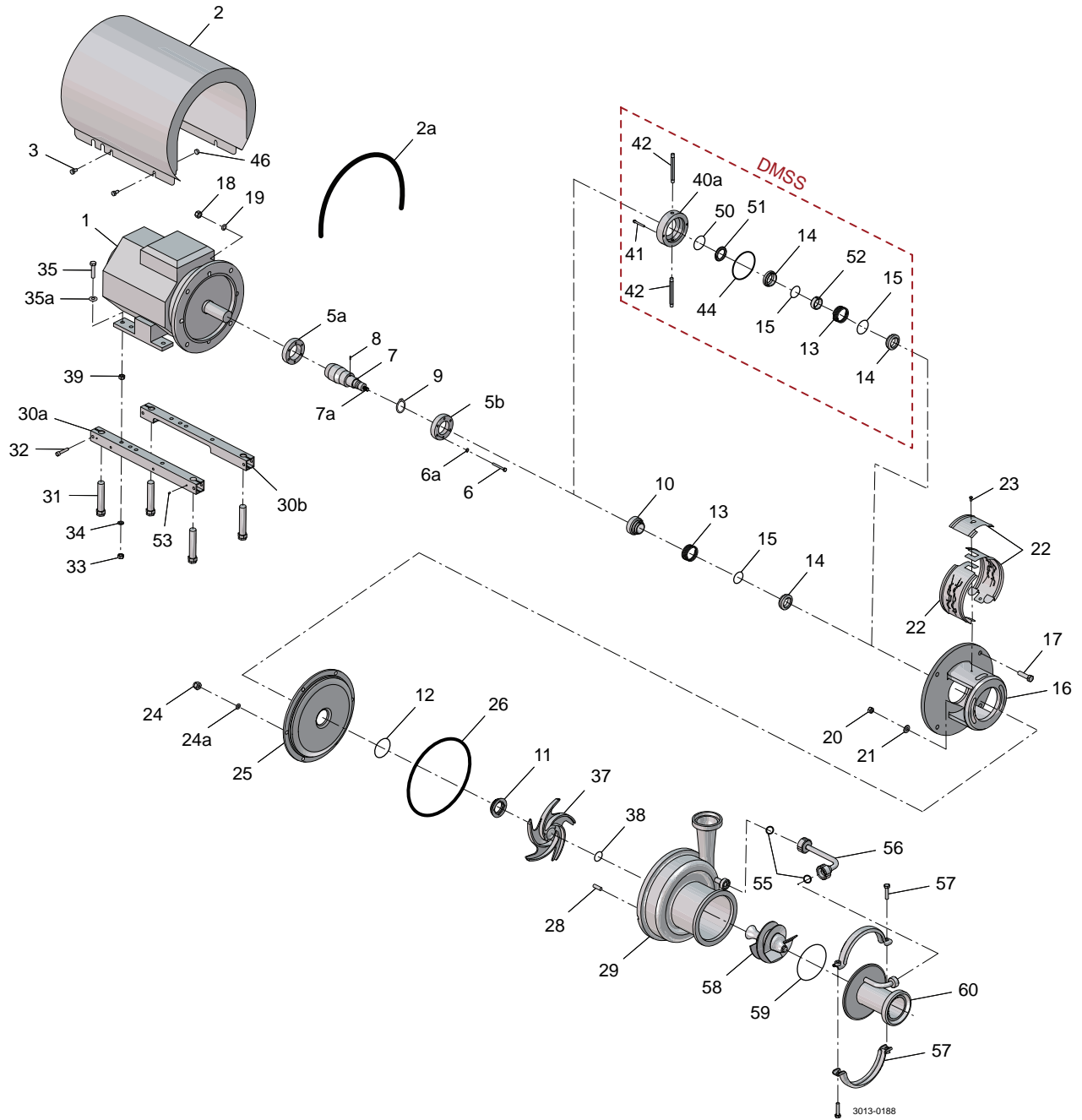




Pos	Qty	Denomination	LKH Prime 10	
			LKH Prime 20	LKH Prime 40
<b>Accessories</b>				
	1	Tool complete . . . . .	9612137101	9612137101
<b>Parts for double mechanical shaft seal</b>				
40a	1	Seal housing . . . . .	9612133902	9612133902
41	2	Screw for seal housing . . . . .	9611990203	9611990203
42	2	Tube . . . . .	9612358901	9612358907
<b>Drive ring</b>				
10	1	Drive ring, Single shaft seal steel . . . . .	9614206001	9614206001



Pos	Qty	Denomination	EPDM	NBR	FPM
<b>Single shaft seal</b>					
	♦	Complete shaft seal, C/SiC	9612129609	9612129610	9612129611
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	1	Rotating seal ring, carbon			
15	1	O-ring			
<b>Alternatives for single shaft seal</b>					
	✧	Complete shaft seal, SiC/SiC	9612129639	9612129640	9612129635
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	1	Rotating seal ring, SiC			
15	1	O-ring			
<b>Double mechanical shaft seal</b>					
	Δ	Complete seal, C/SiC	9612129613	9612129614	9612129615
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	2	Rotating seal ring, carbon			
15	2	O-ring			
44	1	O-ring for seal housing, EPDM			
50	1	O-ring, EPDM			
51	1	Sec. stationary seal ring			
52	1	Drive ring			
<b>Alternatives for double mechanical shaft seal</b>					
	●	Complete shaft seal, SiC/SiC	9612129636	9612129637	9612129638
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	2	Rotating seal ring, SiC			
15	2	O-ring			
44	1	O-ring for seal housing, EPDM			
50	1	O-ring, EPDM			
51	1	Sec. stationary seal ring			
52	1	Drive ring			



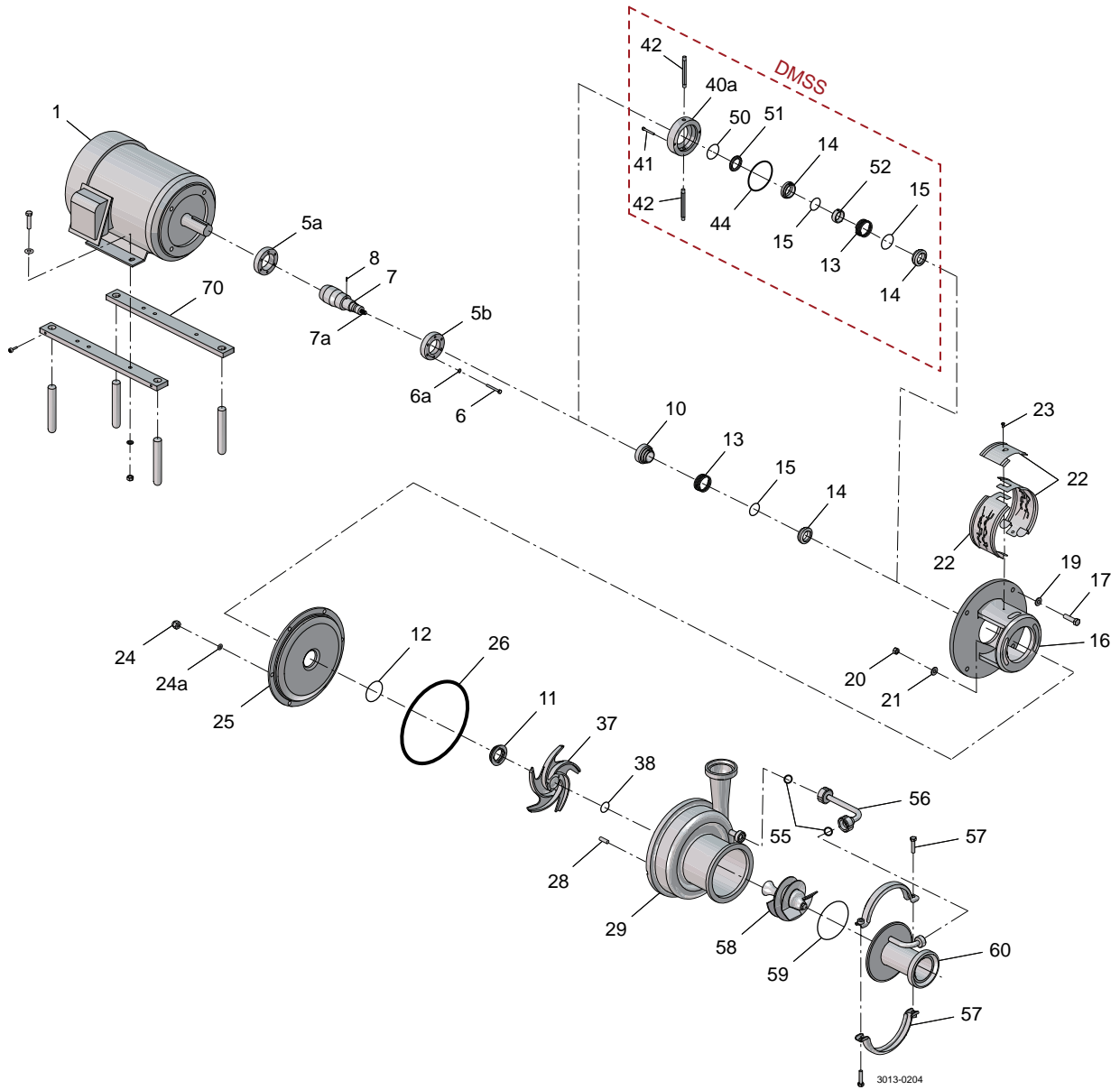
		EPDM	NBR	FPM
<b>Service kit for single shaft seal C/SiC</b>				
◆	Service kit, C/SiC (LKH Prime 10) .....	8010001210	8010001211	8010001212
◆	Service kit, C/SiC (LKH Prime 20) .....	9611927175	9611927176	9611927177
◆	Service kit, C/SiC (LKH Prime 40) .....	9611927210	9611927211	9611927212
<b>Service kit for single shaft seal SiC/SiC</b>				
◇	Service kit, SiC/SiC (LKH Prime 10) .....	8010001213	8010001214	8010001215
◇	Service kit, SiC/SiC (LKH Prime 20) .....	9611927178	9611927179	9611927180
◇	Service kit, SiC/SiC (LKH Prime 40) .....	9611927213	9611927214	9611927215
<b>Service kit for double mechanical shaft seal C/SiC</b>				
△	Service kit, C/SiC (LKH Prime 10) .....	8010001216	8010001217	8010001218
△	Service kit, C/SiC (LKH Prime 20) .....	9611927181	9611927182	9611927183
△	Service kit, C/SiC (LKH Prime 40) .....	9611927216	9611927217	9611927218
<b>Service kit for double mechanical shaft seal SiC/SiC</b>				
●	Service kit, SiC/SiC (LKH Prime 10) .....	8010001219	8010001220	8010001221
●	Service kit, SiC/SiC (LKH Prime 20) .....	9611927184	9611927185	9611927186
●	Service kit, SiC/SiC (LKH Prime 40) .....	9611927219	9611927220	9611927221

Parts marked with ◆△◇● are included in the service kits.

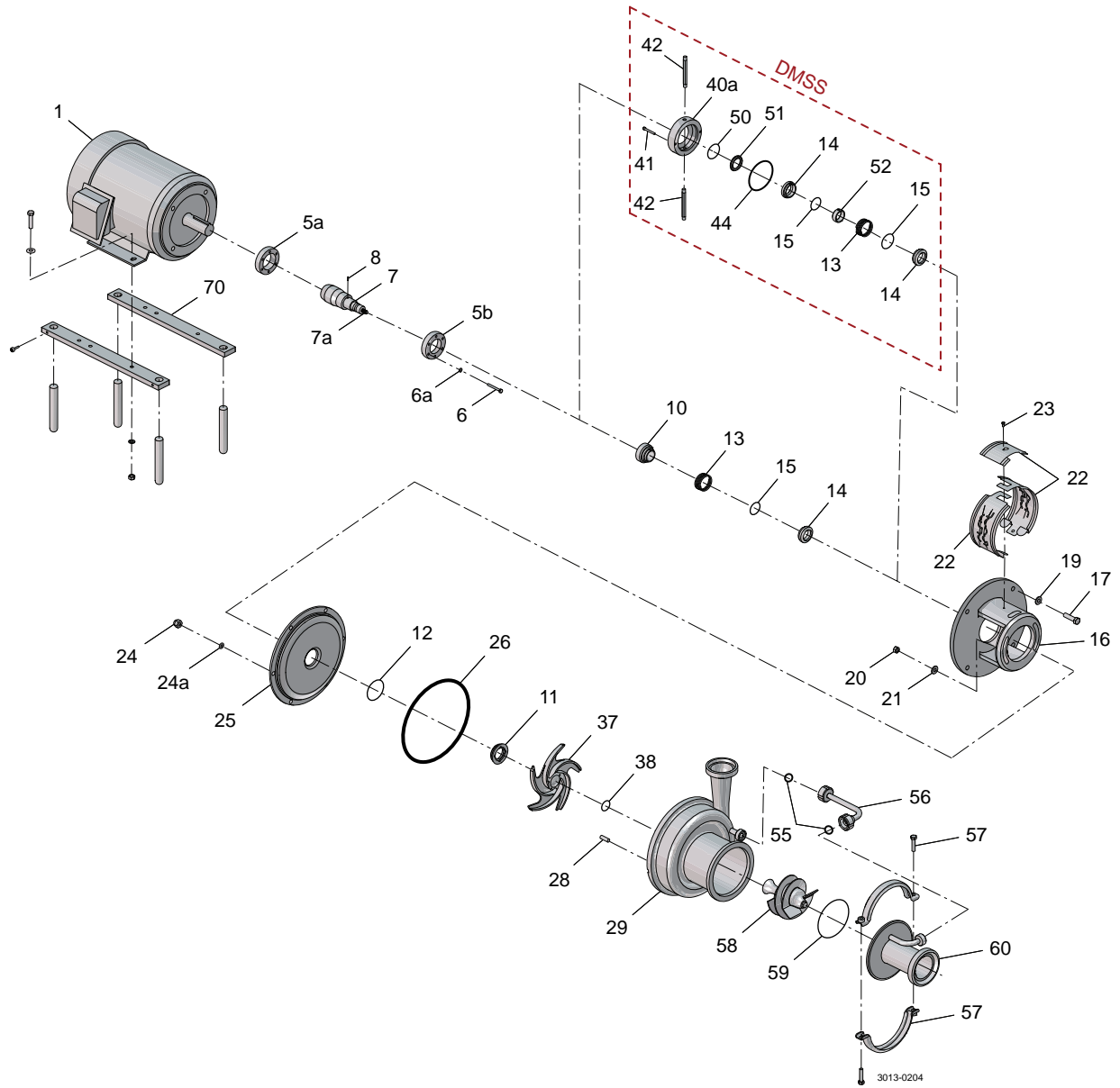
Conversion kit single to double mechanical shaft seal : Please order double mechanical service kit + pos. 40a + 41 + 42.

Recommended spare parts: Service kits.

(900687/5)

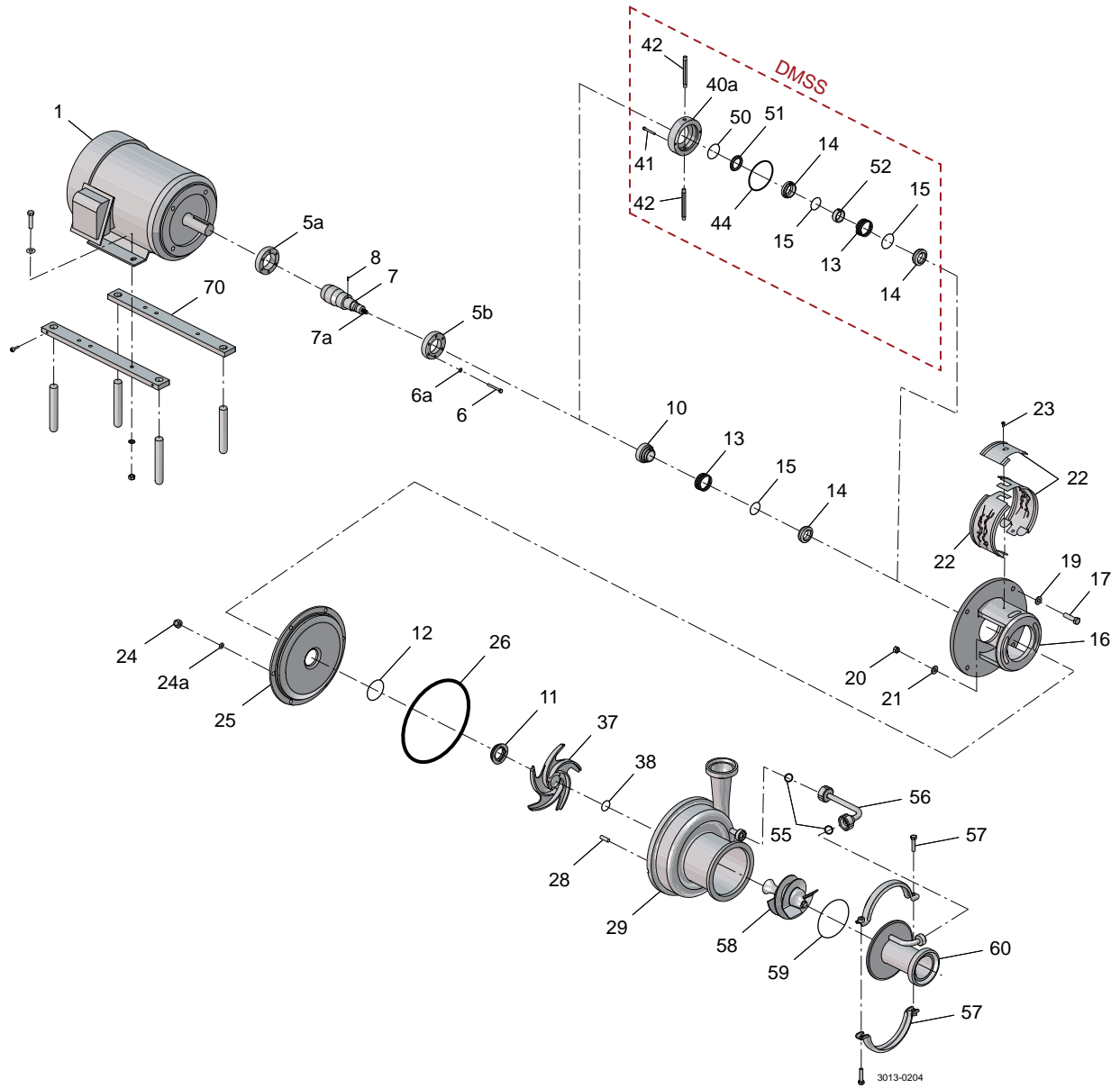


Pos	Qty	Denomination	LKH Prime 10	
			LKH Prime 20	LKH Prime 40
<b>Accessories</b>				
	1	Tool complete . . . . .	9612137101	9612137101
<b>Parts for double mechanical shaft seal</b>				
40a	1	Seal housing . . . . .	9612133904	9612133904
41	2	Screw for seal housing . . . . .	9611990203	9611990203
42	2	Tube . . . . .	9612358916	9612358917
<b>Drive ring</b>				
10	1	Drive ring, Single shaft seal steel . . . . .	9614206001	9614206001





Pos	Qty	Denomination	EPDM	NBR	FPM
<b>Single shaft seal</b>					
	♦	Complete shaft seal, C/SiC	9612129609	9612129610	9612129611
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	1	Rotating seal ring, carbon			
15	1	O-ring			
<b>Alternatives for single shaft seal</b>					
	✧	Complete shaft seal, SiC/SiC	9612129639	9612129640	9612129635
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	1	Rotating seal ring, SiC			
15	1	O-ring			
<b>Double mechanical shaft seal</b>					
	Δ	Complete seal, C/SiC	9612129613	9612129614	9612129615
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	2	Rotating seal ring, carbon			
15	2	O-ring			
44	1	O-ring for seal housing, EPDM			
50	1	O-ring, EPDM			
51	1	Sec. stationary seal ring			
52	1	Drive ring			
<b>Alternatives for double mechanical shaft seal</b>					
	●	Complete shaft seal, SiC/SiC	9612129636	9612129637	9612129638
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	2	Rotating seal ring, SiC			
15	2	O-ring			
44	1	O-ring for seal housing, EPDM			
50	1	O-ring, EPDM			
51	1	Sec. stationary seal ring			
52	1	Drive ring			



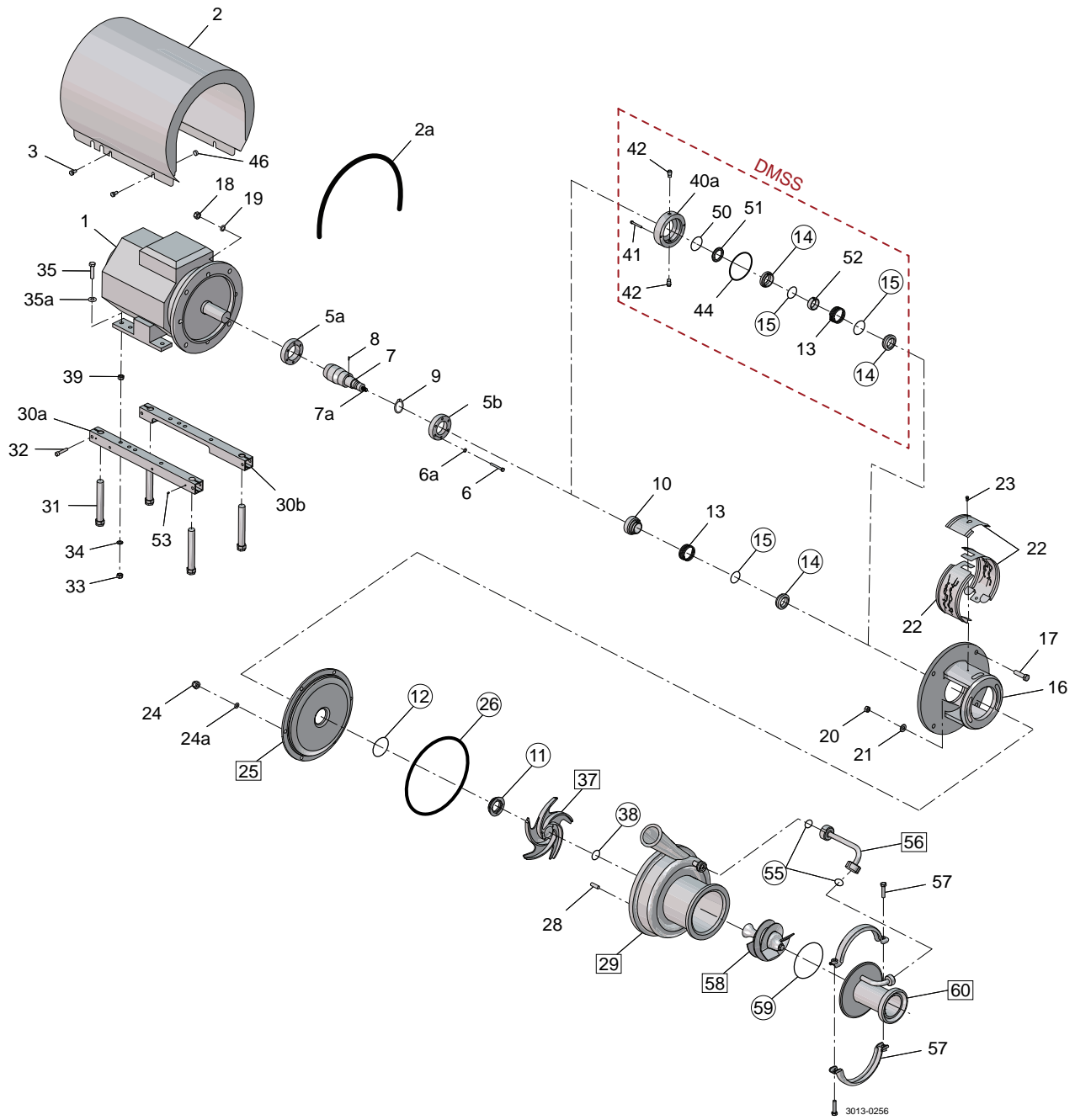
		EPDM	NBR	FPM
<b>Service kit for single shaft seal</b>				
<b>C/SiC</b>				
♦	Service kit, C/SiC (LKH Prime 10) .....	8010001210	8010001211	8010001212
♦	Service kit, C/SiC (LKH Prime 20) .....	9611927175	9611927176	9611927177
♦	Service kit, C/SiC (LKH Prime-40) .....	9611927210	9611927211	9611927212
<b>SiC/SiC</b>				
◇	Service kit, SiC/SiC (LKH Prime 10) .....	8010001213	8010001214	8010001215
◇	Service kit, SiC/SiC (LKH Prime 20) .....	9611927178	9611927179	9611927180
◇	Service kit, SiC/SiC (LKH Prime-40) .....	9611927213	9611927214	9611927215
<b>Service kit for double mechanical shaft seal</b>				
<b>C/SiC</b>				
△	Service kit, C/SiC (LKH Prime 10) .....	8010001216	8010001217	8010001218
△	Service kit, C/SiC (LKH Prime 20) .....	9611927181	9611927182	9611927183
△	Service kit, C/SiC (LKH Prime-40) .....	9611927216	9611927217	9611927218
<b>SiC/SiC</b>				
•	Service kit, SiC/SiC (LKH Prime 10) .....	8010001219	8010001220	8010001221
•	Service kit, SiC/SiC (LKH Prime 20) .....	9611927184	9611927185	9611927186
•	Service kit, SiC/SiC (LKH Prime-40) .....	9611927219	9611927220	9611927221

Parts marked with ♦△◇• are included in the service kits.  
 Recommended Spare Parts: Service kits.

Shaft seal: See end of spare part

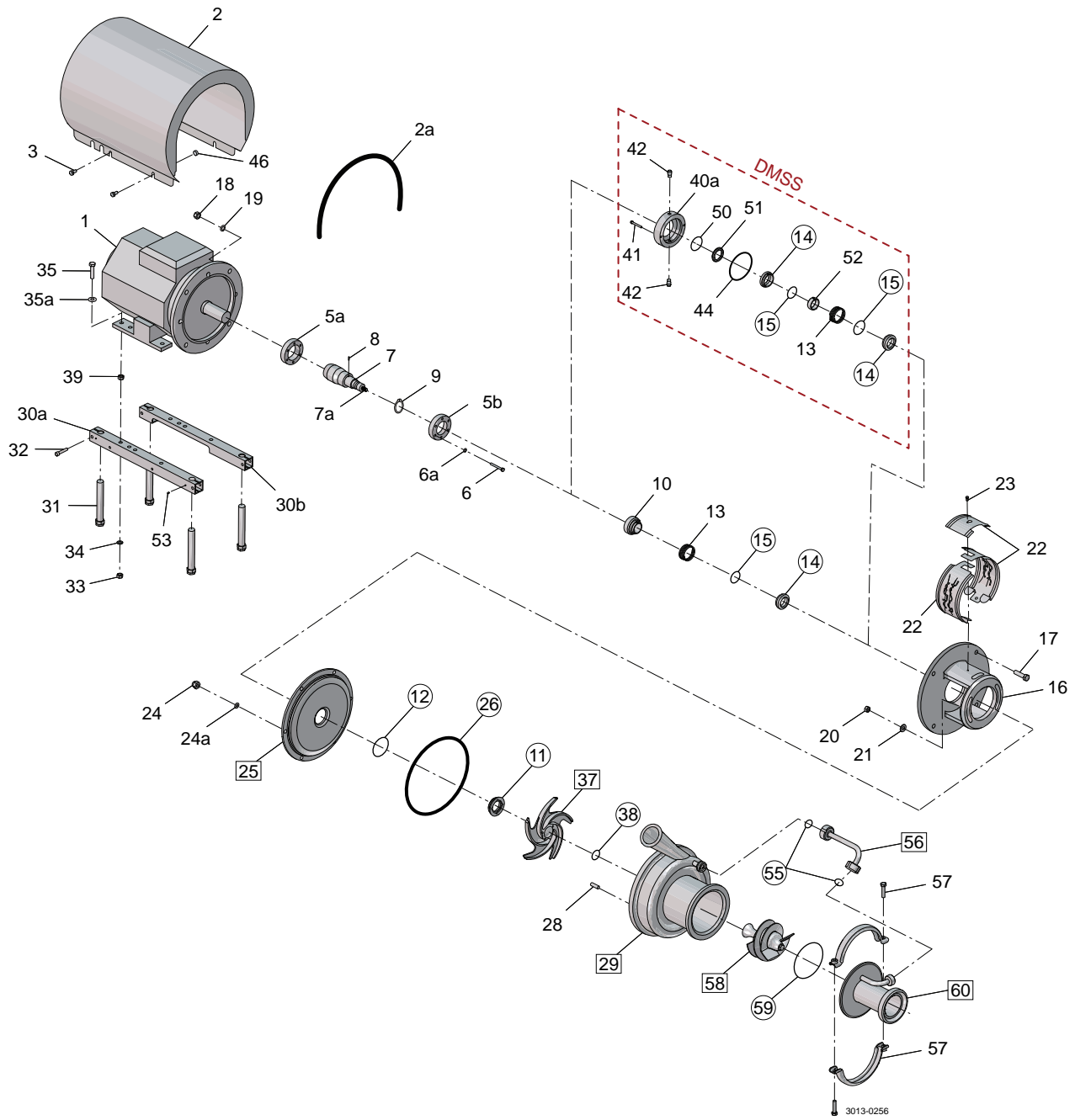
Conversion kit single to double mechanical shaft seal : Please order double mechanical service kit + pos. 40a + 41 + 42

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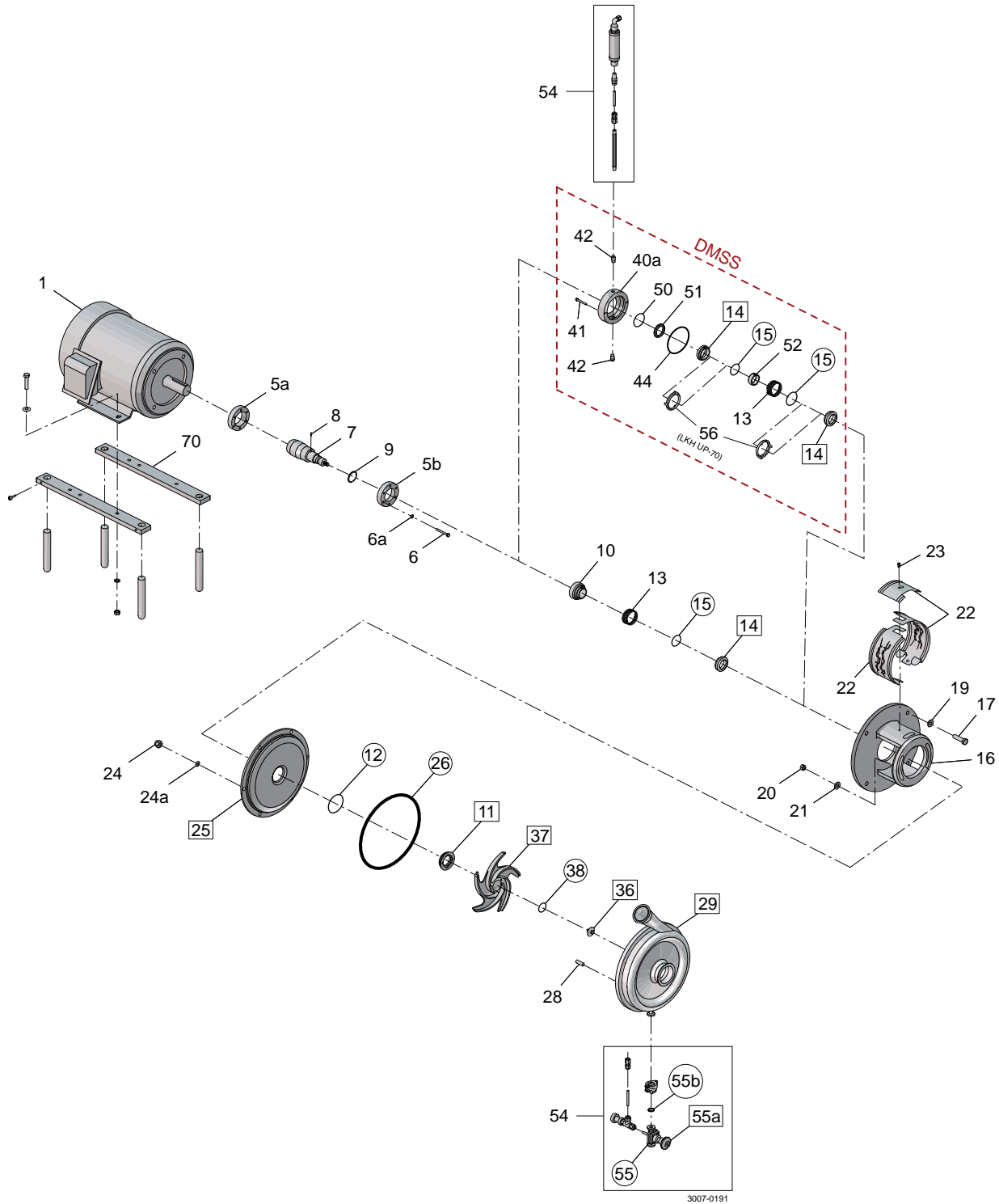
- Product wetted non-metallic parts
- Product wetted metallic parts

Pos	Qty	Denomination	LKH Prime	LKH Prime
			UP-10 IEC90-IEC110	UP-20 IEC100- IEC160
<b>Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain</b>				
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9615264801	9615264802
<b>Casing Mech Ra ≤ 0.5, 45deg outlet, 1/2" drain</b>				
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9615264813	9615264814
<b>Casing Mech Ra ≤ 0.4 EP, 45deg outlet, 1/2" drain</b>				
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9615264825	9615264826
Note: For article numbers on casing specifications not listed above. Please contact your local Alfa Laval partner.				
Note: Heat certificates can be downloaded from <a href="http://www.alfalaval.com/certificates">www.alfalaval.com/certificates</a>				
<b>Cover complete, Mech Ra ≤ 0.8</b>				
60	1	Ferrule Tri-clamp, for ASME BPE . . . . .	9615265101	9615265102
<b>Cover complete, Mech Ra ≤ 0.5</b>				
	1	Ferrule Tri-clamp, for ASME BPE . . . . .	9615265113	9615265114
<b>Cover complete, EP Ra ≤ 0.4 my m</b>				
	1	Ferrule Tri-clamp, for ASME BPE . . . . .	9615265125	9615265126



- Product wetted non-metallic parts
- Product wetted metallic parts

Pos	Qty	Denomination	LKH Prime	LKH Prime
			UP-10 IEC90-IEC110	UP-20 IEC100- IEC160
24	6	Cap nut	9611992592	9611992592
24a	6	Washer	9611991888	9611991888
28	6	Bolt	9611992168	9611992168
59	♦♦	1 O-ring, EPDM		
		1 O-ring, FPM		
		1 O-ring, FEP		
56	1	Recirculation pipe, Mech Ra ≤ 0.8	9615202006	9615202006
	1	Recirculation pipe, Mech Ra ≤ 0.5	9615202001	9615202001
	1	Recirculation pipe, EP Ra ≤ 0.4	9615202002	9615202002
55	♦♦	2 O-ring, EPDM		
		2 O-ring, FPM		
		2 O-ring, FEP		
57	1	Clamp set	9611311057	9611311057
58	1	Air screw, Mech Ra ≤ 0.8	9615491908	9615216508
	1	Air screw, Mech Ra ≤ 0.5	9615491905	9615216505
	1	Air screw, EP Ra ≤ 0.4	9615491906	9615216506
37	1	Impeller, Mech Ra ≤ 0.8	8010000654	9612131419
	1	Impeller, Mech Ra ≤ 0.5	8010000651	9612131406
	1	Impeller, EP Ra ≤ 0.4	8010000652	9612131415
25	1	Backplate compl, Mech Ra ≤ 0.8	9612633211	9612633212
	1	Backplate compl, Mech Ra ≤ 0.5	9612633201	9612633202
	1	Backplate compl, EP Ra ≤ 0.4	9612633206	9612633207
20	1	Nut	9611990353	9611990353
21	2	Washer	9611992559	9611992559
26	♦♦	1 Pump casing O-ring, EPDM		
		1 Pump casing O-ring, FPM		
		1 Pump casing O-ring, FEP		
38	♦♦	1 O-ring impeller, EPDM		
		1 O-ring impeller, FPM		
		1 O-ring impeller, FEP		



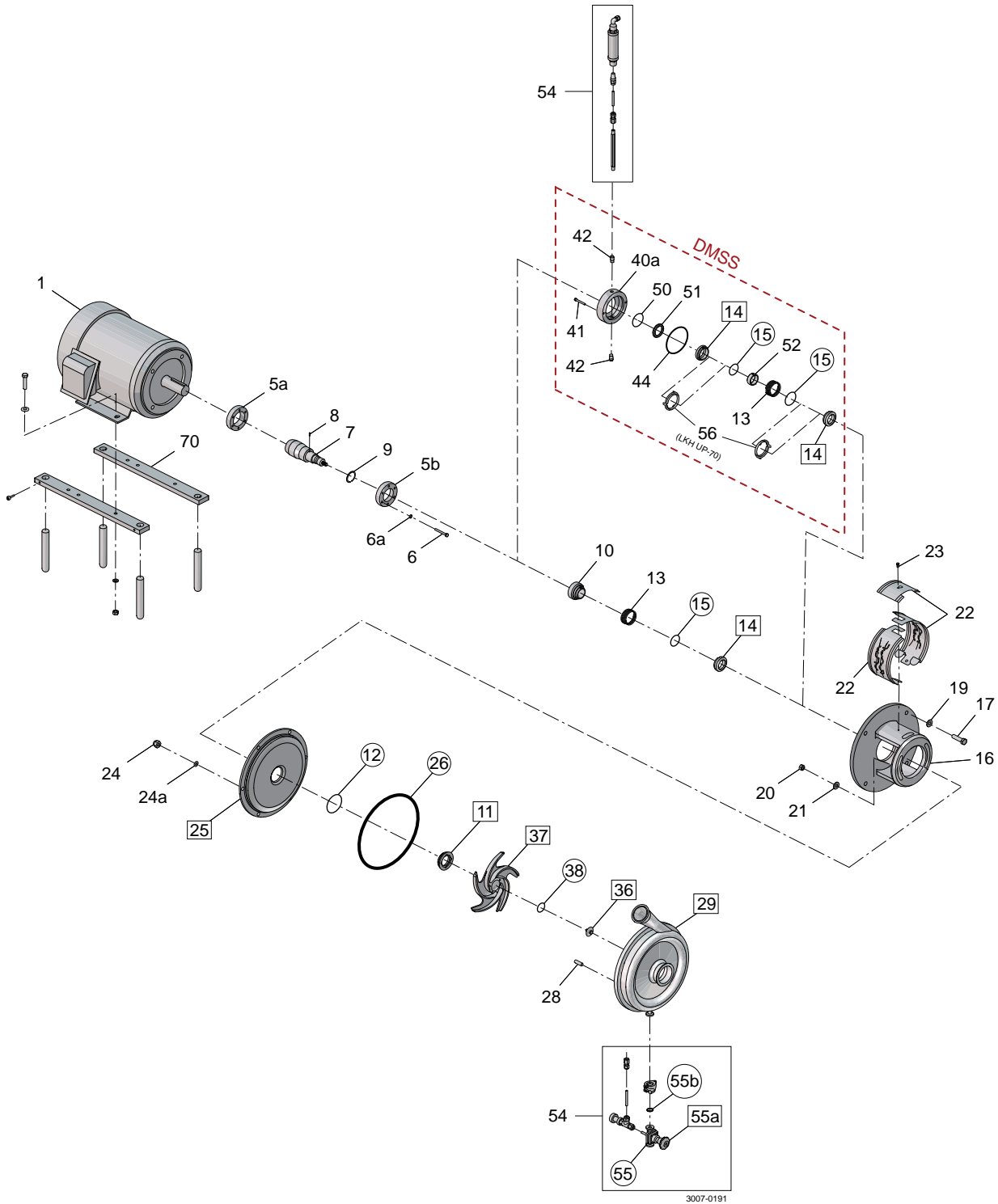
- Product wetted part
- Product wetted steel part



Pos	Qty	Denomination	LKHUP-10 1-20HP	LKHUP-20 1-20HP	LKHUP-25 1-60HP	LKHUP-35 1-60HP
<b>Casing Mech Ra ≤ 20, 45deg, 1/2" TriClamp drain</b>						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630501	9612630504	9612630507	9612630510
<b>Casing EP Ra ≤ 15, 45deg, 1/2" TriClamp drain</b>						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630516	9612630519	9612630522	9612630525
Pos	Qty	Denomination	LKHUP-40 1-60HP	LKHUP-45 1-60HP	LKHUP-60 1-60HP	LKHUP-70 10-100HP
<b>Casing Mech Ra ≤ 20, 45deg, 1/2" TriClamp drain</b>						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630513	9615375304	9615375305	9615375306
<b>Casing EP Ra ≤ 15, 45deg, 1/2" TriClamp drain</b>						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE . . . . .	9612630528	9615375307	9615375308	9615375309

Note: For article numbers on casing specifications not listed above. Please contact your local Alfa Laval partner.

Note: Heat certificates can be downloaded from [www.alfalaval.com/certificates](http://www.alfalaval.com/certificates)

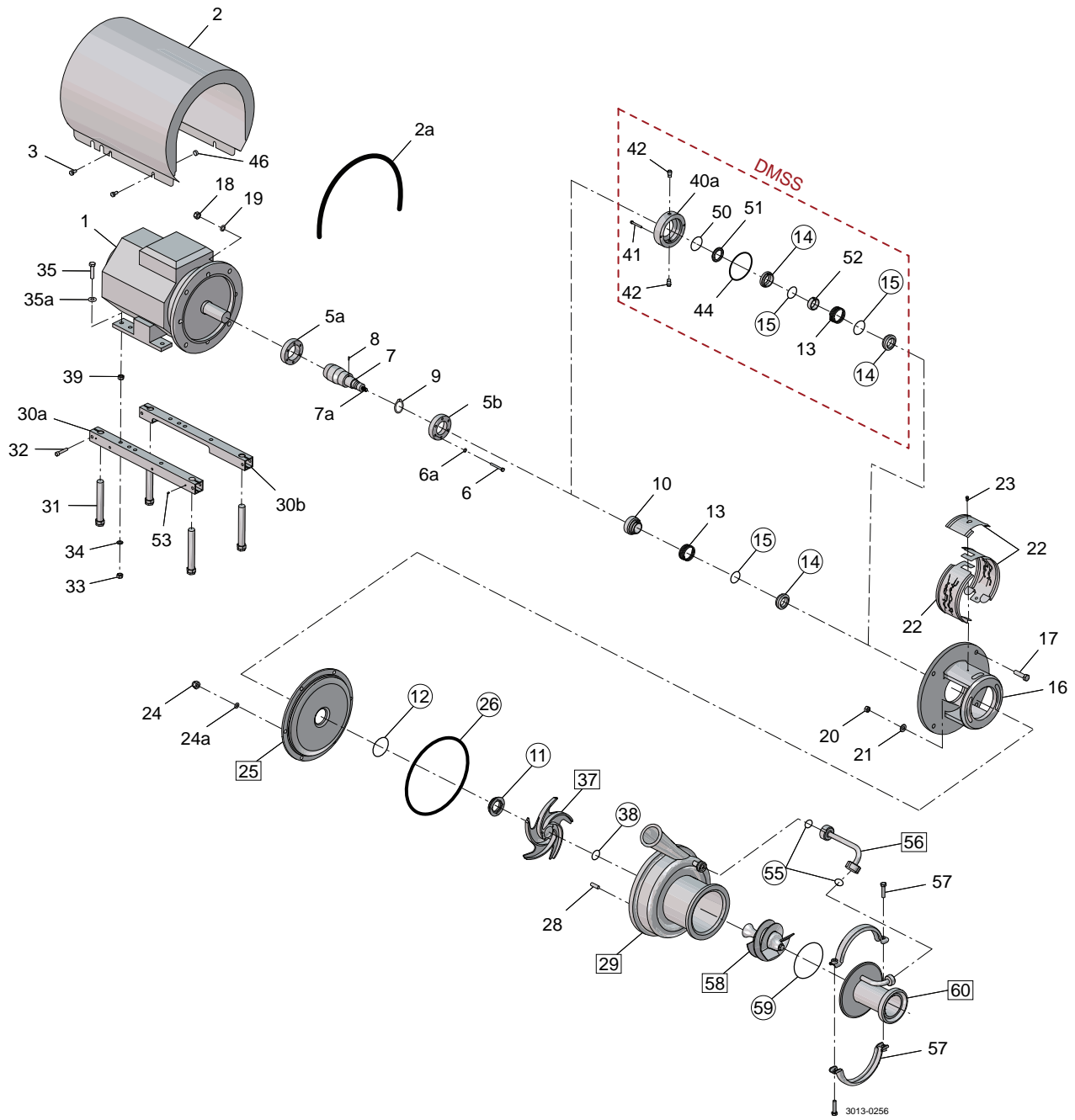


- Product wetted part
- Product wetted steel part

3007-0191

Pos	Qty	Denomination	LKHUP-10 1-20HP	LKHUP-20 1-20HP	LKHUP-25 1-60HP	LKHUP-35 1-60HP
24	6	Cap nut	9611992592	9611992592	9611992593	9611992593
24a	6	Spring washer	9611991888	9611991888	9611991887	9611991887
28	6	Bolt	9611992168	9611992168	9611992169	9611992169
37	1	Impeller, Mech Ra ≤ 20	9612131206	9612131406	9612425206	9612434106
	1	Impeller, EP Ra ≤ 15	9612131425	9612131415	9612425213	9612434113
36	1	Impeller screw, Mech Ra ≤ 20	9612139609	9612139609	9612139609	9612139609
	1	Impeller screw, EP Ra ≤ 15	9612139610	9612139610	9612139610	9612139610
37	1	Impeller, Mech Ra ≤ 20 Delta Ferrite<1%	9612131226	9612131416	9612425214	9612434114
	1	Impeller, EP Ra ≤ 15 Delta Ferrite<1%	9612131227	9612131417	9612425215	9612434115
25	1	Backplate compl, Mech Ra ≤ 20	9612633201	9612633202	9612633204	9612633204
	1	Backplate compl, EP Ra ≤ 15	9612633206	9612633207	9612633208	9612633208
20	2	Nut	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559

Pos	Qty	Denomination	LKHUP-40 1-60HP	LKHUP-45 1-60HP	LKHUP-60 1-60HP	LKHUP-70 10-100HP
24	6	Cap nut	9611992593	9611992593	9611992593	
24a	6	Spring washer	9611991887	9611991887	9611991887	
28	6	Bolt	9611992169	9611992169	9611992169	
24	8	Cap nut				9611992593
24a	8	Washer				9611991887
28	8	Bolt				9611992169
37	1	Impeller, Mech Ra ≤ 20	9612131806	9612363006	9612128306	9612499403
	1	Impeller, EP Ra ≤ 15	9612131813	9612363014	9612128314	9612499414
36	1	Impeller screw, Mech Ra ≤ 20	9612139609	9612139609	9612139609	9612927111
	1	Impeller screw, EP Ra ≤ 15	9612139610	9612139610	9612139610	9612927112
37	1	Impeller, Mech Ra ≤ 20 Delta Ferrite<1%	9612131814	9612363017	9612128318	9612499416
	1	Impeller, EP Ra ≤ 15 Delta Ferrite<1%	9612131815	9612363019	9612128320	9612499418
25	1	Backplate compl, Mech Ra ≤ 20	9612633205	9612633204	9612633205	9615284403
	1	Backplate compl, EP Ra ≤ 15	9612633210	9612633208	9612633210	9615284404
20	2	Nut	9611990353	9611990353	9611990353	
21	2	Washer		9611992559	9611992559	
20	4	Nut				9611990353
21	4	Washer	9611992559			9611992559
26	□♦	1 Pump casing O-ring, EPDM				
	□♦	1 Pump casing O-ring, FPM				
	□♦	1 Pump casing O-ring, FEP				
38	□♦	1 O-ring impeller screw, EPDM				
	□♦	1 O-ring impeller screw, FPM				
	□♦	1 O-ring impeller screw, FEP				



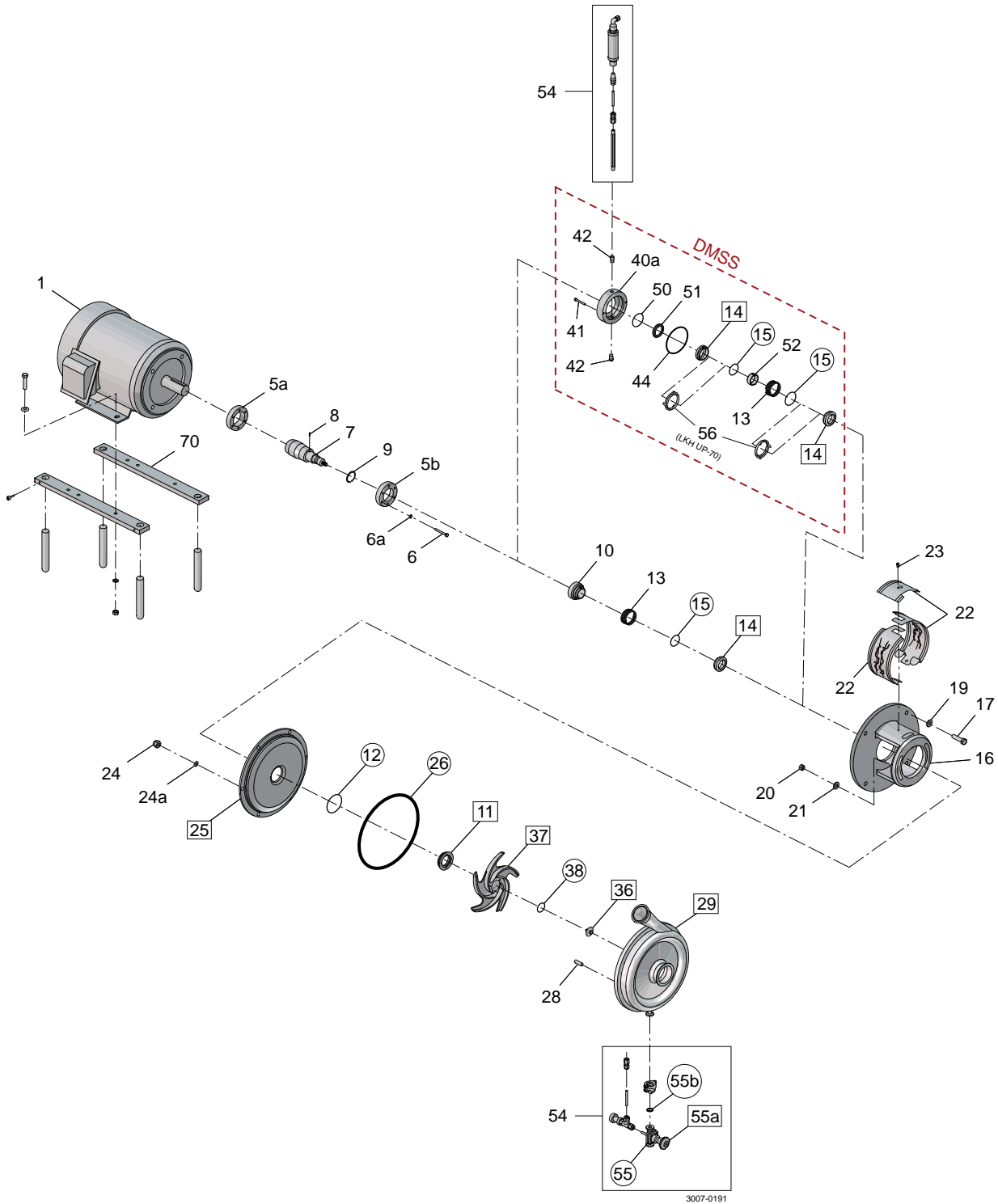
- Product wetted non-metallic parts
- Product wetted metallic parts

Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160
7	1	Shaft	9615230401	9615230402	9615230402	9615230403	9615230404
7a	1	Stud bolt, (included in pos 7)	9615230301	9615230301	9615230301	9615230301	9615230301
9	1	Retaining ring, (included in pos 7)	9611992307				
8	1	Connex pin, (included in pos 7)	9611990622	9611990622	9611990622	9611990622	9611990622
5a	1	Compression ring, with thread	9612133601	9612133602	9612133602	9612133605	9612133603
5b	1	Compression ring, without thread	9612133701	9612133702	9612133702	9612133705	9612133703
6	6	Screw	9611993196	9611993196	9611993196	9611993197	9611993198
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
16	1	Adapter	9612342301	9612342401	9612342401	9612342501	9612342601
17	4	Screw for adapter	9611992161	9611991834	9611991834	9611992162	9611992163
18	4	Nut for adapter	9611990353	9611990587	9611990587	9611990587	9611992160
19	4	Washer for adapter	9611991887	9611990676	9611990676	9611990676	9611991886
22	1	Safety guard set	9614077401	9614077402	9614077402	9614077403	9614077404
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132201	9612132205	9612132205	9612132206	9612132203
30b	1	Support bar, left	9612132301	9612132305	9612132305	9612132306	9612132303
31	4	Legs	9612396702	9612396702	9612396702	9612396702	9612396702
32	4	Screw	9611991126	9611991126	9611991126	9611991126	9611991126
33	4	Nut	9611990360	9611990353	9611990353	9611990353	9611990587
34	4	Spring washer	9611991888	9611991887	9611991887	9611991887	9611990676
35	4	Screw	9611993241	9611991911	9611991911	9611991911	9611991834
35a	4	Washer		9611990786	9611990786	9611990786	9611990706
39	4	Nut		9611990587			
<b>Shroud (option)</b>							
2	1	Shroud	9612139001	9612139002	9612139003	9612139008	9612139005
3	4	Screw	9611993240	9611993240	9611993240	9611993240	9611993241
46	4	Distance sleeve		9611992737		9611992737	3143803902

Pos	Qty	Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW
			IEC90	IEC90	IEC100	IEC112	IEC132
1	1	Motor ABB, 3000rpm	9614303003	9614303004	9614303005	9614303006	9614303007

Pos	Qty	Denomination	7.5 kW	11 kW
			IEC132	IEC160
1	1	Motor ABB, 3000rpm	9614303008	9614303009

3 ~, 50 Hz, 230VD/400-415VY - Standard ≤ 22 kW  
 3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW



Pos	Qty	Denomination	1-2HP 143-145TC	3-5HP 182-184TC	7.5-10HP 213-215TC	15-20HP 254-256TC	25-30HP 284-286TSC	40-60Hp 324-364TC
<b>LKHUP-10/20/25/35/40/45/60</b>								
7	1	Shaft	9612133002	9612133102	9612133202	9612133302	9612133302	9612133402
9	1	Retaining ring	9611992307					
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622	9611990622
5a	1	Compression ring with thread	9612133601	9612133602	9612133606	9612133603	9612133603	9612133604
5b	1	Compression ring without thread	9612133701	9612133702	9612133706	9612133703	9612133703	9612133704
6	6	Screw	9611993196	9611993196	9611993197	9611993198	9611993198	9611993198
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199	9611993199
16	1	Adaptor	9612342801	9612342901	9612343001	9612343101	9612343102	9612342602
17	4	Screw for adaptor	9611994411	9611994412	9611994413	9611994414	9611994414	9611994415
19	4	Washer for adaptor	9611994416	9611994417	9611994417	9611994417	9611994417	9611994418
22	1	Safety guard set	9614077413	9614077405	9614077412	9614077409	9614077409	9614077409
23	1	Screw for safety guard	9611992544	9611992544	9611992544	9611992544	9611992544	9611993239
70	1	Bracket set stainless steel	481656	481661	481663	481665	481669	9634056195

**Accessories**

	1	Tool complete	9612903601	9612903601	9612903601	9612903601	9612903601	9612903601
Pos	Qty	Denomination	15-20Hp 254-256TC	25-30Hp 284-286TSC	40-50Hp 324-326TSC	60-75Hp 364-365TSC	100Hp 405TSC	

**LKHUP70**

7	1	Shaft	9612512403	9612512403	9612512503	9612512503	9612554003
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622
5a	1	Compression ring with thread	9612133603	9612133603	9612133604	9612133604	9612133607
5b	1	Compression ring without thread	9612133703	9612133703	9612133704	9612133704	9612133707
6	6	Screw	9611993198	9611993198	9611993198	9611993198	9611993198
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
16	1	Adaptor	9612512001	9612512002	9612511902	9612511902	9612511902
17	4	Screw for adaptor	9611994414	9611994414	9611994415	9611994415	9611994415
19	4	Washer for adaptor	9611994417	9611994417	9611994418	9611994418	9611994418
22	1	Safety guard set	9614077410	9614077410	9614077410	9614077410	9614077410
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
70	1	Bracket set stainless steel	481665	481669	9634056195	9634056196	9634056196

**Accessories**

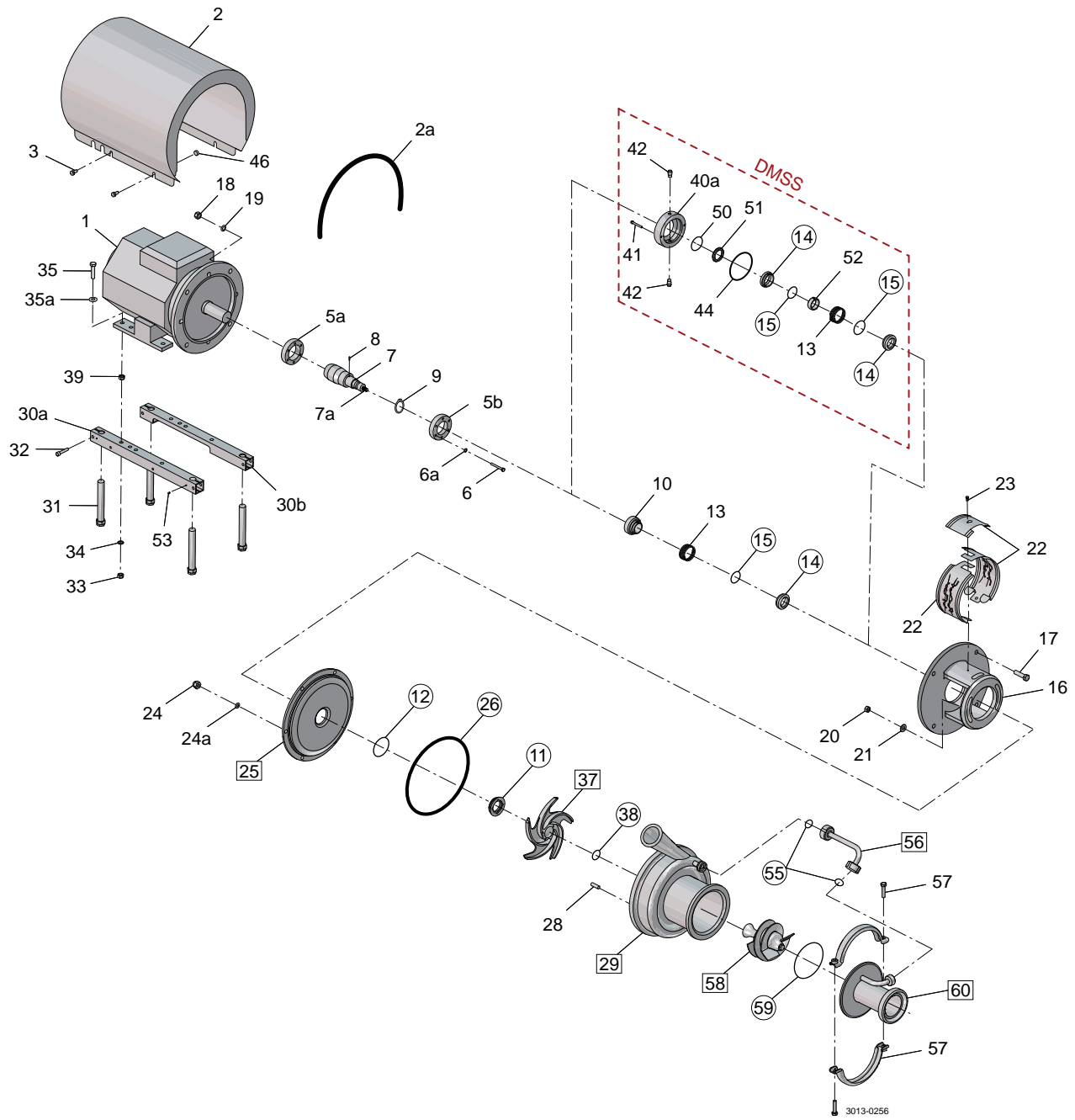
	1	Tool complete	9612903701
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Pos	Qty	Denomination	1Hp	1.5Hp	2hp	3Hp	5Hp	7.5Hp
1	1	Motor 3600rpm	143TC (1800 rpm)	143TC	145TC	182TC	184TC	213TC

Pos	Qty	Denomination	10Hp	15Hp	20Hp	25Hp	30HP	40Hp
1	1	Motor 3600rpm	215TC	254TC	256TC	284TSC	286TSC	324TSC

Pos	Qty	Denomination	50Hp	60Hp	75Hp	100Hp
1	1	Motor 3600rpm	326TSC	364TSC	365TSC	405TSC

3/60/208/230-460 - standard



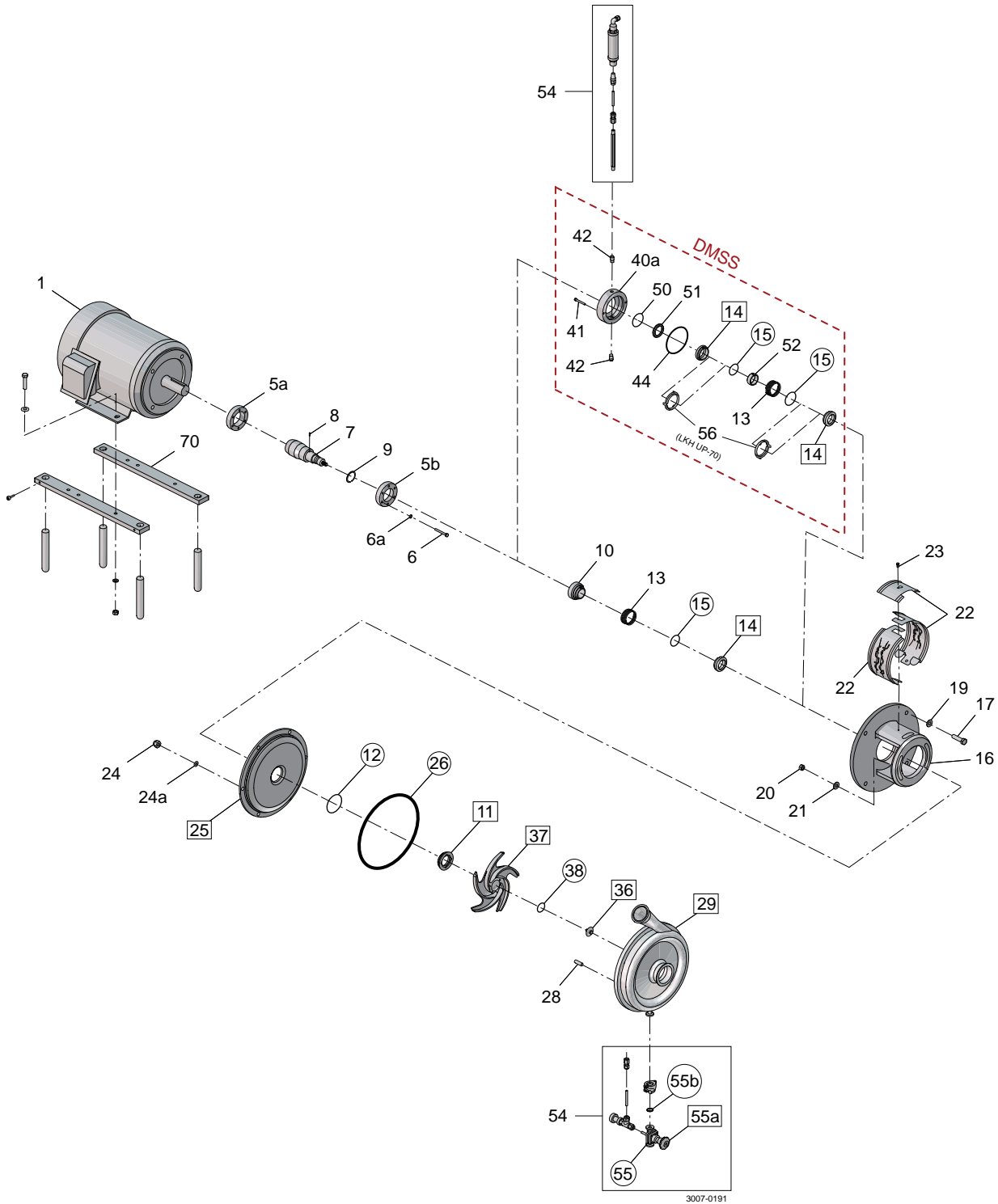
- Product wetted non-metallic parts
- Product wetted metallic parts



Pos	Qty	Denomination	EPDM	FPM	FEP
<b>Accessories</b>					
	1	Tool complete . . . . .	9612137101		
10	1	Drive ring, Single shaft seal steel . . . . .	9614206001		
<b>Parts for double mechanical shaft seal</b>					
40a	1	Seal housing . . . . .	9612133902		
41	2	Screw for seal housing . . . . .	9611990203		
42	2	Fittings . . . . .	9611992323		
<b>Single shaft seal SiC/SiC</b>					
		♦ Single shaft seal, Sic/SiC . . . . .			
11	1	Stationary seal ring, SiC . . . . .			
12	1	O-ring . . . . .			
13	1	Spring . . . . .			
14	1	Rotating seal ring, SiC . . . . .			
15	1	O-ring . . . . .			
<b>Double mechanical shaft seal SiC/SiC</b>					
		• Double mechanical shaft seal, SiC/SiC . . . . .			
11	1	Stationary seal ring, SiC, SiC . . . . .			
12	1	O-ring . . . . .			
13	1	Spring . . . . .			
14	2	Rotating seal ring, SiC . . . . .			
15	2	O-ring . . . . .			
44	1	O-ring for seal housing . . . . .			
50	1	O-ring . . . . .			
52	1	Drive ring . . . . .			

			EPDM	FPM	FEP
<b>Service kit for single shaft seal</b>					
♦		Service kit LKH Prime UltraPure 10 (incl. Q-doc) . . . . .	8010001223	8010001224	8010001225
♦		Service kit LKH Prime UltraPure 20 (incl. Q-doc) . . . . .	9611927187	9611927188	9611927191
<b>Service kit for double mechanical shaft</b>					
•		Service kit LKH Prime UltraPure 10 (incl. Q-doc) . . . . .	8010001226	8010001227	8010001228
•		Service kit LKH Prime UltraPure 20 (incl. Q-doc) . . . . .	9611927189	9611927190	9611927192

Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity.  
 Parts marked with ♦♦ are included in the service kits.  
 Conversion kit single to double mechanical shaft seal : Please order double mechanical service kit + pos. 40a + 41 + 42.  
 Recommended spare parts: Service kits.  
 (900689/4)



3007-0191

- Product wetted part
- Product wetted steel part

Pos	Qty	Denomination	LKHUP10/20/25	
			35/40/45/60	LKHUP70
10	1	Drive ring, Single shaft seal steel	9614206001	9612514901
<b>Flushing set</b>				
54	1	Complete flushing set, 1/2"	9634075242	9634075242
55	1	1/2" Diaphragm PTFE, for Diaphragm valve	9614119201	9614119201
	1	Backing for PTFE Diaphragm	9614119301	9614119301
55a	1	1/2" Diaphragm valve	9634094731	9634094731
55b	1	1/2" clamp gasket, EPDM	9615356701	9615356701
54	1	Complete flushing set 3/4"	9634075243	9634075243
55	1	3/4" Diaphragm PTFE for Diaphragm valve	9614119401	9614119401
	1	Backing for PTFE Diaphragm	9614119501	9614119501
55a	1	3/4" Diaphragm valve	9634095340	9634095340
55b	1	3/4" Clamp gasket, EPDM	9634097001	9634097001
<b>Parts for double mechanical shaft seal</b>				
40a	1	Seal housing	9612133902	9612591401
41	2	Screw for seal housing	9611990203	9611993766
42	2	Fittings	9611992323	9611992323
□		Single shaft seal, SiC/SiC		
11	1	Stationary seal ring, SiC		
12	1	O-ring		
13	1	Spring		
14	1	Rotating seal ring, SiC		
15	1	O-ring		
●		Double mechanical shaft seal, SiC/SiC		
11	1	Stationary seal ring, SiC		
12	1	O-ring		
13	1	Spring		
14	2	Rotating seal ring, SiC		
15	2	O-ring		
44	1	O-ring, for seal housing		
50	1	O-ring		
51	1	Sec. stationary seal ring		
52	1	Drive ring		
56	2	Cup		

	EPDM	FPM	FEP
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**Service kit for single shaft seal (incl. Q-doc)**

Service kit LKHUP-10	9611922339	9611922338	9611922340
Service kit LKHUP-20	9611922357	9611922356	9611922358
Service kit LKHUP-25/35/45	9611922375	9611922374	9611922376
Service kit LKHUP-40/60	9611922393	9611922392	9611922394
Service kit LKHUP-70	9611920549	9611920550	9611920551

**Service kit for double mechanical shaft (incl. Q-doc)**

Service kit LKHUP-10	9611922345	9611922344	9611922346
Service kit LKHUP-20	9611922363	9611922362	9611922364
Service kit LKHUP-25/35/45	9611922381	9611922380	9611922382
Service kit LKHUP-40/60	9611922399	9611922398	9611922400
Service kit LKHUP-70	9611920552	9611920553	9611920554

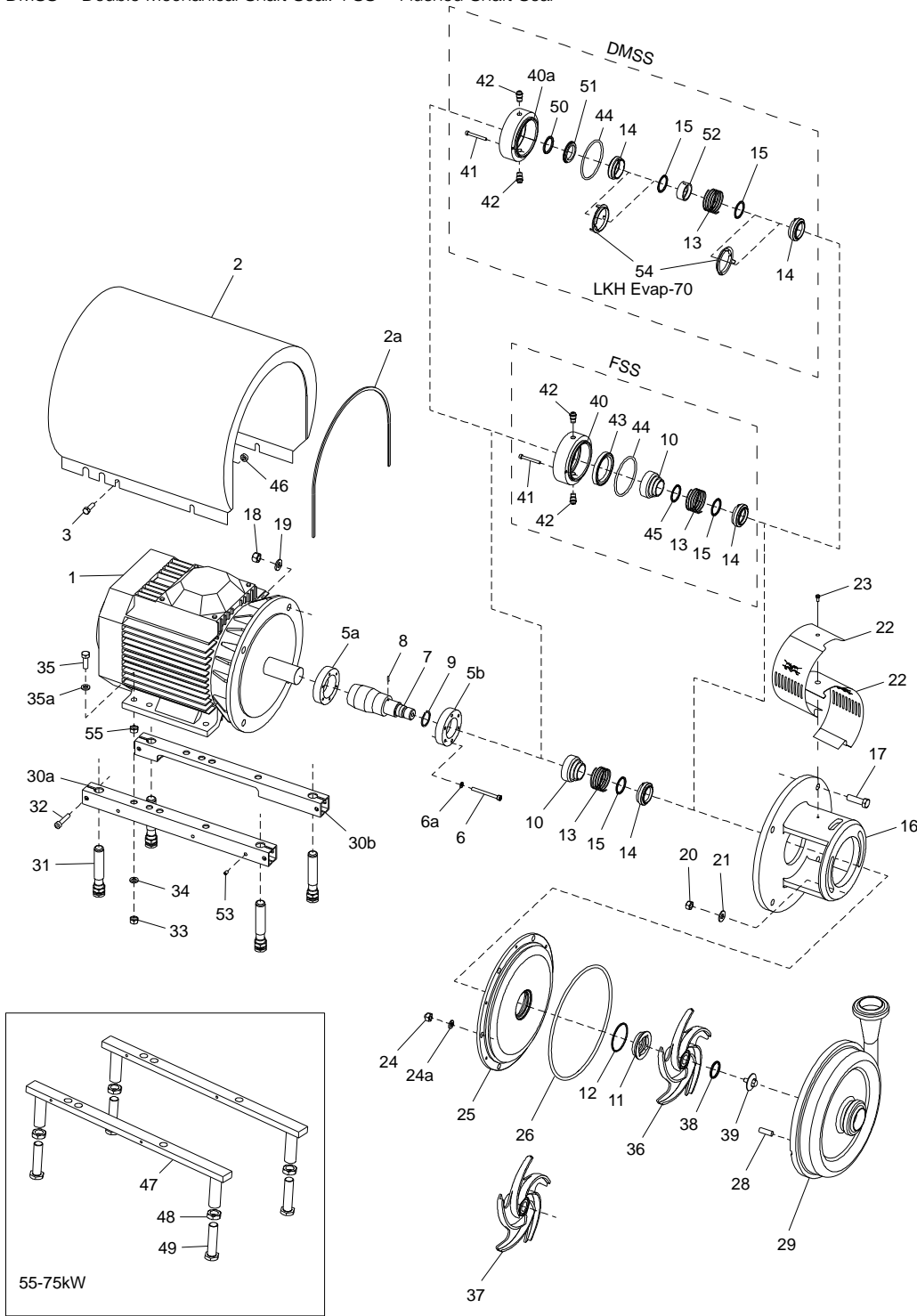
Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity.

Parts marked with □● are included in the service kits.

Recommended spare parts: Service kits.

Conversion kit single to double mechanical shaft seal : Please order Double mechanical service kit + pos. 40a + 41 + 42

DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal



Pump Casing std. blasted

Pos	Qty	Denomination	LKH Evap-10	LKH Evap-15	LKH Evap-15	LKH Evap-20	LKH Evap-25
			IEC90-IEC112	IEC100-IEC132	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160
			In-/outlet 2.5-2"	In-/outlet 3-3*	In-/outlet 4-3*	In-/outlet 2.5-2"	In-/outlet 3-2.5"
29	1	Pump casing, IDF	9612139801	9614057811	9612492401	9612139806	9612492406
	1	Pump casing, SMS	9612139802	9614057812	9612492402	9612139807	9612492407
	1	Pump casing, DIN/ISO	9612139803	9614057813	9612492403	9612139808	9612492408
	1	Pump casing, ISO (Clamp)	9612139804	9614057814	9612492404	9612139809	9612492409
	1	Pump casing, BS	9612139805	9614057815	9612492405	9612139810	9612492410
	1	Pump casing, DS	9612139826	9614057816	9612492421	9612139828	9612492422
	1	Pump casing, DIN/DIN	9612139827	9614057817	9614057802	9612139829	9614057803

Pos	Qty	Denomination	LKH Evap-35	LKH Evap-40	LKH Evap-45	LKH Evap-45	LKH Evap-50
			IEC112-IEC160	IEC132-IEC180	IEC112-IEC160	IEC112-IEC160	IEC132-IEC180
			In-/outlet 2.5-2"	In-/outlet 3-2*	In-/outlet 3-3*	In-/outlet 4-3*	In-/outlet 3-3*
29	1	Pump casing, IDF	9612492411	9612139816	9614057818	9612492416	9612139834
	1	Pump casing, SMS	9612492412	9612139817	9614057819	9612492417	9612139835
	1	Pump casing, DIN/ISO	9612492413	9612139818	9614057820	9612492418	9612139836
	1	Pump casing, ISO (Clamp)	9612492414	9612139819	9614057821	9612492419	9612139837
	1	Pump casing, BS	9612492415	9612139820	9614057822	9612492420	9612139838
	1	Pump casing, DS	9612492423	9612139830	9614057823	9612492424	9612139839
	1	Pump casing, DIN/DIN	9614057804	9612139831	9614057824	9614057805	9612139840

Pos	Qty	Denomination	LKH Evap-50	LKH Evap-60	LKH Evap-60	LKH Evap-70
			IEC132-IEC180	IEC132-IEC200	IEC132-IEC200	IEC132-IEC250
			In-/outlet 4-3*	In-/outlet 3-4*	In-/outlet 4-4*	In-/outlet 4-3*
29	1	Pump casing, IDF	9612139821	9612355421	9612355401	9612514701
	1	Pump casing, SMS	9612139822	9612355422	9612355402	9612514702
	1	Pump casing, DIN/ISO	9612139823	9612355423	9612355403	9612514703
	1	Pump casing, ISO (Clamp)	9612139824	9612355424	9612355404	9612514704
	1	Pump casing, BS	9612139825	9612355425	9612355405	9612514705
	1	Pump casing, DS	9612139832	9612355426	9612355406	9612514711
	1	Pump casing, DIN/DIN	9612139833	9612355427	9612355419	9612514732

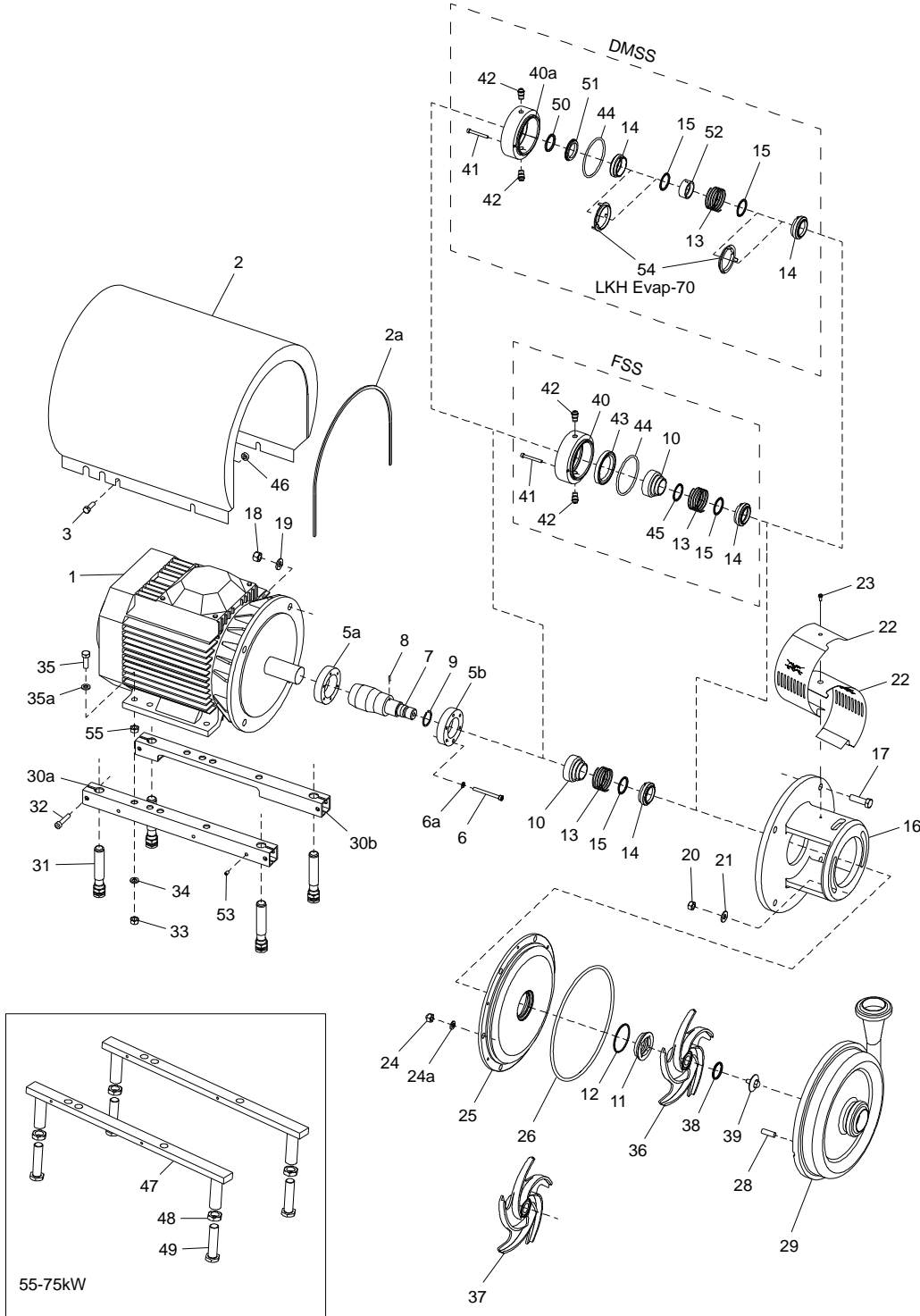
Pump Casing Mech Ra ≤ 0.8

Pos	Qty	Denomination	LKH Evap-10	LKH Evap-15	LKH Evap-15	LKH Evap-20	LKH Evap-25
			IEC90-IEC112	IEC100-IEC132	IEC100-IEC132	IEC90-IEC132	IEC112-IEC160
			In-/outlet 2.5-2"	In-/outlet 3-3*	In-/outlet 4-3*	In-/outlet 2.5-2"	In-/outlet 3-2.5"
29	1	Pump casing, IDF	9612457201	9614057825	9612492501	9612457206	9612492506
	1	Pump casing, SMS	9612457202	9614057826	9612492502	9612457207	9612492507
	1	Pump casing, DIN/ISO	9612457203	9614057827	9612492503	9612457208	9612492508
	1	Pump casing, ISO (Clamp)	9612457204	9614057828	9612492504	9612457209	9612492509
	1	Pump casing, BS	9612457205	9614057829	9612492505	9612457210	9612492510
	1	Pump casing, DS	9612457226	9614057830	9612492521	9612457228	9612492522
	1	Pump casing, DIN/DIN	9612457227	9614057831	9614057807	9612457229	9614057808

Pos	Qty	Denomination	LKH Evap-35	LKH Evap-40	LKH Evap-45	LKH Evap-45	LKH Evap-50
			IEC112-IEC160	IEC132-IEC180	IEC112-IEC160	IEC112-IEC160	IEC132-IEC180
			In-/outlet 2.5-2"	In-/outlet 3-2*	In-/outlet 3-3*	In-/outlet 4-3*	In-/outlet 3-3*
29	1	Pump casing, IDF	9612492511	9612457216	9614057832	9612492516	9612457234
	1	Pump casing, SMS	9612492512	9612457217	9614057833	9612492517	9612457235
	1	Pump casing, DIN/ISO	9612492513	9612457218	9614057834	9612492518	9612457236
	1	Pump casing, ISO (Clamp)	9612492514	9612457219	9614057835	9612492519	9612457237
	1	Pump casing, BS	9612492515	9612457220	9614057836	9612492520	9612457238
	1	Pump casing, DS	9612492523	9612457230	9614057837	9612492524	9612457239
	1	Pump casing, DIN/DIN	9614057809	9612457231	9614057838	9614057810	9612457240

Pos	Qty	Denomination	LKH Evap-50	LKH Evap-60	LKH Evap-60	LKH Evap-70
			IEC132-IEC180	IEC132-IEC200	IEC132-IEC200	IEC132-IEC250
			In-/outlet 4-3*	In-/outlet 3-4*	In-/outlet 4-4*	In-/outlet 4-3*
29	1	Pump casing, IDF	9612457221	9612355428	9612355409	9612514706
	1	Pump casing, SMS	9612457222	9612355429	9612355410	9612514707
	1	Pump casing, DIN/ISO	9612457223	9612355430	9612355411	9612514708
	1	Pump casing, ISO (Clamp)	9612457224	9612355431	9612355412	9612514709
	1	Pump casing, BS	9612457225	9612355432	9612355413	9612514710
	1	Pump casing, DS	9612457232	9612355433	9612355414	9612514712
	1	Pump casing, DIN/DIN	9612457233	9612355434	9612355420	9612514733

DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal



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Pos	Qty	Denomination	LKH Evap-10	LKH Evap-15	LKH Evap-20	LKH Evap-25	LKH Evap-35
			IEC90-IEC112	IEC100-IEC132	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160
20	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559
24	6	Cap nut	9611992592	9611992592	9611992592	9611992593	9611992593
24a	6	Washer	9611991888	9611991888	9611991888	9611991887	9611991887
25	1	Back plate, std. blasted	9612138404	9612138404	9612138405	9612138423	9612138423
	1	Back plate, Mech Ra ≤ 0.8	9612138420	9612138420	9612138421	9612138424	9612138424
26	1	O-ring, EPDM (standard)	9611992137	9611992137	9611992141	9611992983	9611992983
	1	O-ring, NBR	9611992139	9611992139	9611992143	9611992984	9611992984
	1	O-ring, FPM	9611992138	9611992138	9611992142	9611992985	9611992985
	1	O-ring, FEP	9611992140	9611992140	9611992144	9611992986	9611992986
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)					
28	6	Bolt	8010023153	8010023153	8010023154	8010023155	8010023155
36	1	Impeller, std. blasted	9611992168	9611992168	9611992168	9611992169	9611992169
	1	Impeller, Mech Ra ≤ 0.8	9612131202	9612431402	9612131402	9612425202	9612434102
	1	Impeller, ClearFlow, std. blasted	9612131228	9612431413	9612131418	9612425216	9612434116
37	1	Impeller, ClearFlow, Mech Ra ≤ 0.8	9613482001	9613482101	9614053201	9614053301	9613482201
	1	Impeller, ClearFlow, Mech Ra ≤ 0.8	9613482002	9613482102	9614053202	9614053302	9613482202
38	1	O-ring, EPDM (standard)	9611992145	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146	9611992146
	1	O-ring, FEP	9611992148	9611992148	9611992148	9611992148	9611992148
	1	Set of 5 O-rings EPDM for impellerscrew (pos 38)					
39	1	Impeller screw, std. blasted	8010023161	8010023161	8010023161	8010023161	8010023161
	1	Impeller screw, Mech Ra ≤ 0.8	9612139601	9612139601	9612139601	9612139601	9612139601
	1	Impeller screw, Mech Ra ≤ 0.8	9612139603	9612139603	9612139603	9612139603	9612139603

Pos	Qty	Denomination	LKH Evap-40	LKH Evap-45	LKH Evap-50	LKH Evap-60	LKH Evap-70
			IEC132-IEC180	IEC112-IEC160	IEC132-IEC180	IEC132-IEC200	IEC132-IEC250
20	2	Nut	9611990353	9611990353	9611990353	9611990353	
	4	Nut					9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559	
	4	Washer					9611992559
24	6	Cap nut	9611992593	9611992593	9611992593	9611992593	
	8	Cap nut, (LKH Evap-70 and -75)					9611992593
24a	6	Washer	9611991887	9611991887	9611991887	9611991887	
	8	Washer, (LKH Evap-70 and -75)					9611991887
25	1	Back plate std. blasted	9612138406	9612138423	9612138406	9612138406	9612514601
	1	Back plate, Mech Ra ≤ 0.8	9612138422	9612138424	9612138422	9612138422	9612514607
26	1	O-ring, EPDM (standard)	9611992171	9611992983	9611992171	9611992171	9611993211
	1	O-ring, NBR	9611992173	9611992984	9611992173	9611992173	9611993212
	1	O-ring, FPM	9611992172	9611992985	9611992172	9611992172	9611993213
	1	O-ring, FEP	9611992174	9611992986	9611992174	9611992174	9611993214
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)					
28	6	Bolt	8010023156	8010023155	8010023156	8010023156	8010023157
	8	Bolt, (LKH Evap-70 and -75)	9611992169	9611992169	9611992169	9611992169	
36	1	Impeller, std. blasted	9612131802	9612363002	9612132002	9612128302	9612499401
	1	Impeller, Mech Ra ≤ 0.8	9612131816	9612363013	9612132015	9612128315	9612499403
37	1	Impeller, ClearFlow, std. blasted	9613499501	9613482301	9613482401	9613482501	9614053401
	1	Impeller, ClearFlow, Mech Ra ≤ 0.8	9613499502	9613482302	9613482402	9613482502	9614053402
38	1	O-ring, EPDM (standard)	9611992145	9611992145	9611992145	9611992145	9611993215
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147	9611993216
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146	9611993217
	1	O-ring, FEP	9611992148	9611992148	9611992148	9611992148	9611993218
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)					
39	1	Impeller screw, std. blasted	8010023161	8010023161	8010023161	8010023161	8010023162
	1	Impeller screw, Mech Ra ≤ 0.8	9612139601	9612139601	9612139601	9612139601	9612927101
	1	Impeller screw, Mech Ra ≤ 0.8	9612139603	9612139603	9612139603	9612139603	9612927102





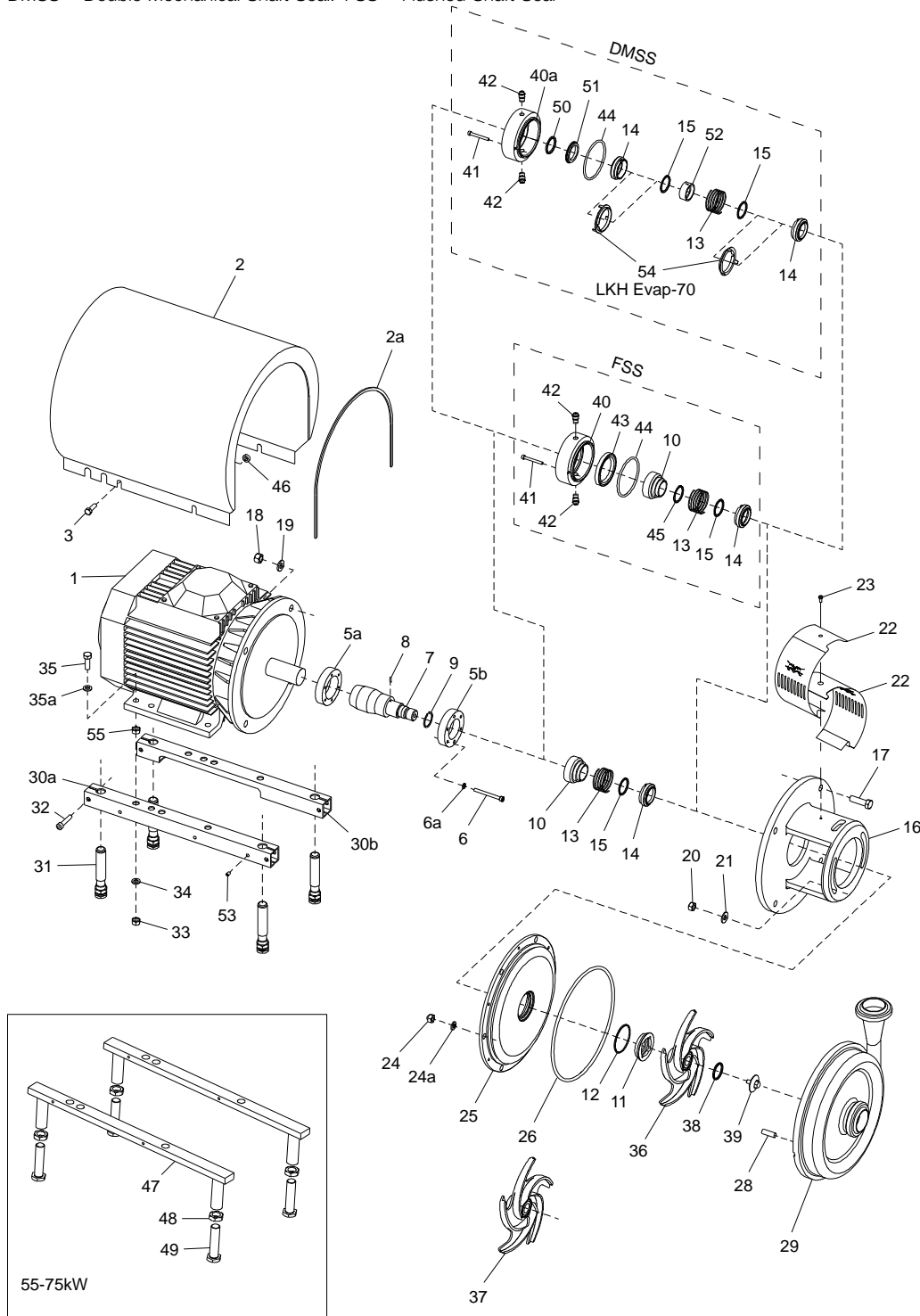
Product wetted surfaces Ra ≤ 32

Pos	Qty	Denomination	LKH Evap-10 1-15 Hp In-/outlet 2.5-2"	LKH Evap-15 2-15 Hp In-/outlet 3-3"	LKH Evap-15 2-15 Hp In-/outlet 4-3"	LKH Evap-20 2-20 Hp In-/outlet 2.5-2"	LKH Evap-25 2-30 Hp In-/outlet 3-2.5"	
29	1	Pump casing, Tri-clamp	9612128812	9612129337	9612129332	9612128921	9612129123	
Pos	Qty	Denomination	LKH Evap-35 3-30 Hp In-/outlet 2.5-2"	LKH Evap-40 3-30 Hp In-/outlet 3-2"	LKH Evap-45 3-30 Hp In-/outlet 3-3"	LKH Evap-45 3-30 Hp In-/outlet 4-3"	LKH Evap-50 3-40 Hp In-/outlet 3-3"	
29	1	Pump casing, Tri-clamp	9612128923	9612129121	9612129338	9612129334	9612129336	
Pos	Qty	Denomination	LKH Evap-50 3-40 Hp In-/outlet 4-3"	LKH Evap-60 7.5-50 Hp In-/outlet 3-4"	LKH Evap-60 7.5-50 Hp In-/outlet 4-4"	LKH Evap-70 15-100 Hp In-/outlet 4-3"	LKH Evap-75 15-50 Hp In-/outlet 4-4" 1800 rpm	
29	1	Pump casing, Tri-clamp	9612129330	9612355435	9612355418	9612514729	9612514730	
Pos	Qty	Denomination	LKH Evap-10 1-15 Hp In-/outlet 2.5-2"	LKH Evap-15 2-15 Hp In-/outlet 4-3"	LKH Evap-20 2-20 Hp In-/outlet 2.5-2"	LKH Evap-25 2-30 Hp In-/outlet 3-2.5"	LKH Evap-35 3-30 Hp In-/outlet 2.5-2"	LKH Evap-40 3-30 Hp In-/outlet 3-2"
20	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559	9611992559
24	6	Cap nut	9611992592	9611992592	9611992592	9611992593	9611992593	9611992593
24a	6	Washer	9611991888	9611991888	9611991888	9611991887	9611991887	9611991887
25	1	Back plate, polished Ra ≤ 32	9612138420	9612138420	9612138421	9612138424	9612138424	9612138422
26	1	O-ring, EPDM, (standard)	9611992137	9611992137	9611992141	9611992983	9611992983	9611992171
	1	O-ring, NBR	9611992139	9611992139	9611992143	9611992984	9611992984	9611992173
	1	O-ring, FPM	9611992138	9611992138	9611992142	9611992985	9611992985	9611992172
	1	O-ring, FEP	9611992140	9611992140	9611992144	9611992986	9611992986	9611992174
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)	8010023153	8010023153	8010023154	8010023155	8010023155	
28	6	Bolt	9611992168	9611992168	9611992168	9611992169	9611992169	9611992169
36	1	Impeller, polished Ra ≤ 32	9612131228	9612431413	9612131418	9612425216	9612434116	9612131816
37	1	Impeller, ClearFlow, polished Ra ≤ 32	9613482002	9613482102	9614053202	9614053302	9613482202	9613499502
38	1	O-ring, EPDM, (standard)	9611992145	9611992145	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146	9611992146	9611992146
	1	O-ring, FEP	9611992148	9611992148	9611992148	9611992148	9611992148	9611992148
	1	Set of 5 O-rings EPDM for impellerscrew (pos 38)	8010023161	8010023161	8010023161	8010023161	8010023161	
39	1	Impeller screw, polished Ra ≤ 32	9612139603	9612139603	9612139603	9612139603	9612139603	9612139603
Pos	Qty	Denomination	LKH Evap-45 3-30 Hp In-/outlet 4-3"	LKH Evap-50 3-40 Hp In-/outlet 4-3"	LKH Evap-60 7.5-50 Hp In-/outlet 4-4"	LKH Evap-70 15-100 Hp In-/outlet 4-3"	LKH Evap-75 15-50 Hp In-/outlet 4-4" 1800 rpm	
20	2	Nut	9611990353	9611990353	9611990353			
21	2	Washer	9611992559	9611992559	9611992559			
20	4	Nut				9611990353	9611990353	
21	4	Washer				9611992559	9611992559	
24	6	Cap nut	9611992593	9611992593	9611992593			
24a	6	Washer	9611991887	9611991887	9611991887			
24	8	Wing nut				9611416892	9611416892	
24a	8	Washer				9611991887	9611991887	
25	1	Back plate, polished Ra ≤ 32	9612138424	9612138422	9612138422	9612514607	9612514617	
26	1	O-ring, EPDM, (standard)	9611992983	9611992171	9611992171	9611993211	9611994893	
	1	O-ring, NBR	9611992984	9611992173	9611992173	9611993212	9611994894	
	1	O-ring, FPM	9611992985	9611992172	9611992172	9611993213	9611994895	
	1	O-ring, FEP	9611992986	9611992174	9611992174	9611993214		
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26)	8010023156	8010023155	8010023156	8010023156	8010023157	
28	6	Bolt	9611992169	9611992169	9611992169			
	8	Bolt				9611992169	9611992169	
36	1	Impeller, polished Ra ≤ 32	9612363013	9612132015	9612128315	9612499403	9613456301	
37	1	Impeller, ClearFlow, polished Ra ≤ 32	9613482302	9613482402	9613482502	9614053402	9613499401	
38	1	O-ring, EPDM, (standard)	9611992145	9611992145	9611992145	9611993215	9611993215	
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611993216	9611993216	
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611993217	9611993217	

	1	O-ring, FEP	9611992148	9611992148	9611992148	9611993218	
	1	Set of 5 O-rings EPDM for impellerscrew (pos 38)	8010023161	8010023161	8010023161	8010023161	8010023162
39	1	Impeller screw, polished Ra ≤ 32	9612139603	9612139603	9612139603	9612927102	9612927105



DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal



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Pos	Qty	Denomination	1.5 kW IEC90	2.2 kW IEC90	3 kW IEC100	4 kW IEC112	5.5 kW IEC132
1	1	Motor ABB, 3000rpm	9614303003	9614303004	9614303005	9614303006	9614303007
	1	Motor ABB, 1500rpm					9614303023

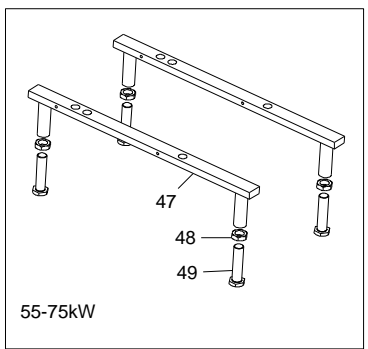
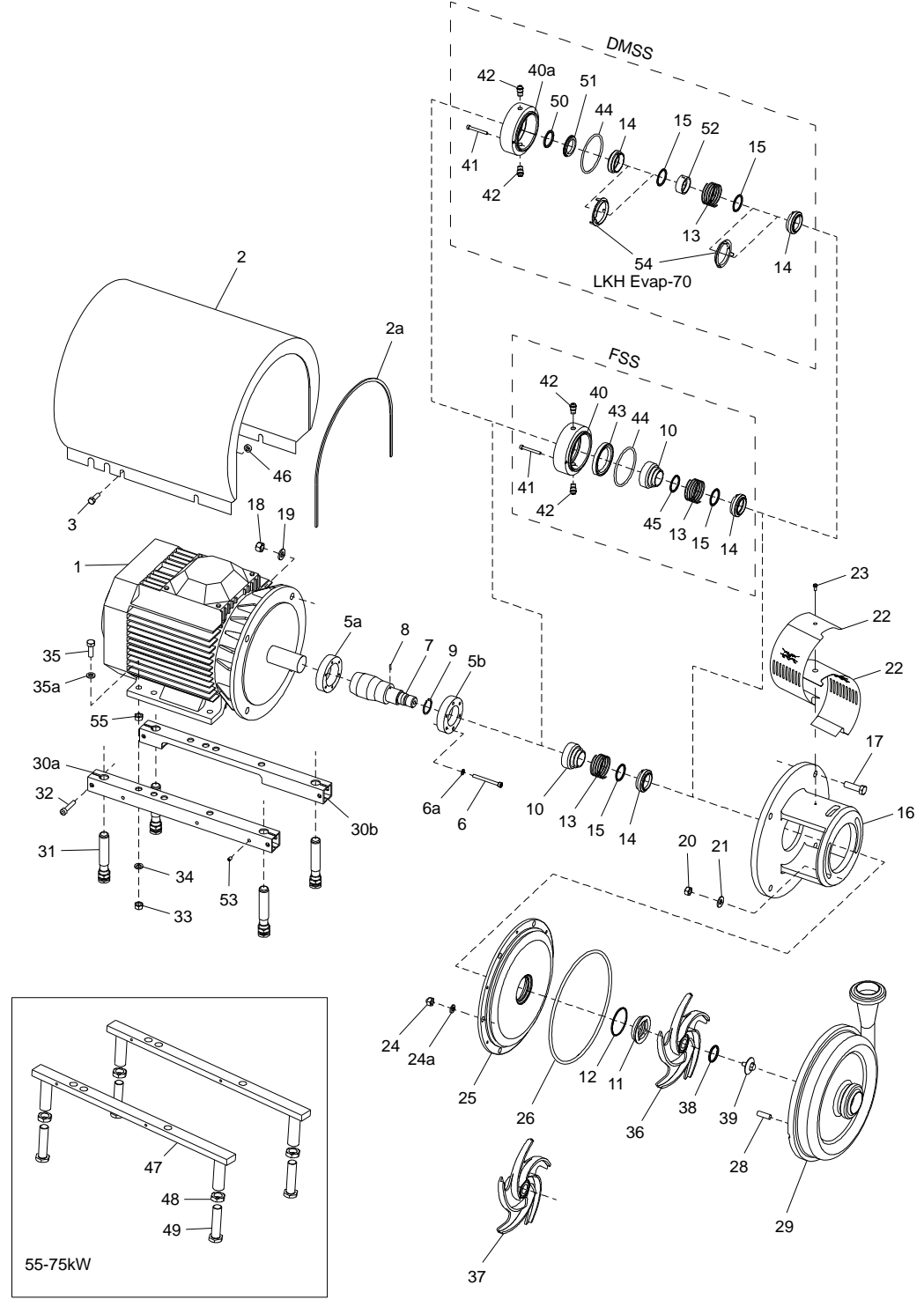
Pos	Qty	Denomination	7.5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor ABB, 3000rpm	9614303008	96143033009	9614303010	9614303011	9614303012
	1	Motor ABB, 1500rpm	9614303024				

Pos	Qty	Denomination	30 kW IEC200	37 kW IEC200	45 kW IEC200	55 kW IEC250	75 kW IEC250
1	1	Motor ABB, 3000rpm	9614303013	9614303014	9614303015	9614303016	9614303017

3 ~, 50 Hz, 230VD400-415VY, - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW  
 3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW

Pos	Qty	Denomination	LKH Evap 10-60 IEC90	LKH Evap 10-60 IEC100	LKH Evap 10-60 IEC112	LKH Evap 10-60 IEC132	LKH Evap 10-60 IEC160	LKH Evap 10-60 IEC180
2	1	Shroud	9612139001	9614192203	9612139003	9612139008	9612139005	9612139006
2a	1	Edge list (Included in pos. 2)						
3	4	Screw	9611993240	9611993240	9611993240	9611993240	9611993241	9611993243
5a	1	Compression ring with thread	9612133601	9612133602	9612133602	9612133605	9612133603	9612133604
5b	1	Compression ring without thread	9612133701	9612133702	9612133702	9612133705	9612133703	9612133704
6	6	Screw	9611993196	9611993196	9611993196	9611993197	9611993198	9611993198
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)		9612132502	9612132502	9612132602	9612132702	9612132802
	1	Shaft incl. pin and retaining ring, (pos.8+9)	9612132402					
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring	9611992307					
16	1	Adaptor	9612342301	9612342401	9612342401	9612342501	9612342601	9612342601
17	4	Screw for adaptor	9611992161	9611991834	9611991834	9611992162	9611992163	9611992164
18	4	Nut for adaptor	9611990353	9611990587	9611990587	9611990587	9611992160	9611992160
19	4	Washer for adaptor	9611991887	9611990676	9611990676	9611990676	9611991886	9611991886
22	1	Safety guard set	9614077401	9614077402	9614077402	9614077403	9614077404	9614077404
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612132201	9612132205	9612132205	9612132206	9612132203	9612132204
30b	1	Support bar, left	9612132301	9612132305	9612132305	9612132306	9612132303	9612132304
31	4	Leg	9612396701	9612396701	9612396701	9612396701	9612396701	9612396701
32	4	Screw	9611991126	9611991126	9611991126	9611991126	9611991126	9611991126
33	4	Nut	9611990360	9611990353	9611990353	9611990353	9611990587	9611990587
34	4	Spring washer	9611991888	9611991887	9611991887	9611991887	9611990676	9611990676
35	4	Screw	9611993241	9611991911	9611991911	9611991911	9611991834	9611991834
35a	4	Washer		9611990786	9611990786	9611990786	9611990706	9611990706
46	4	Distance sleeve		9611992737		9611992737	3143803902	3143803901
55	4	Nut		9611990587				

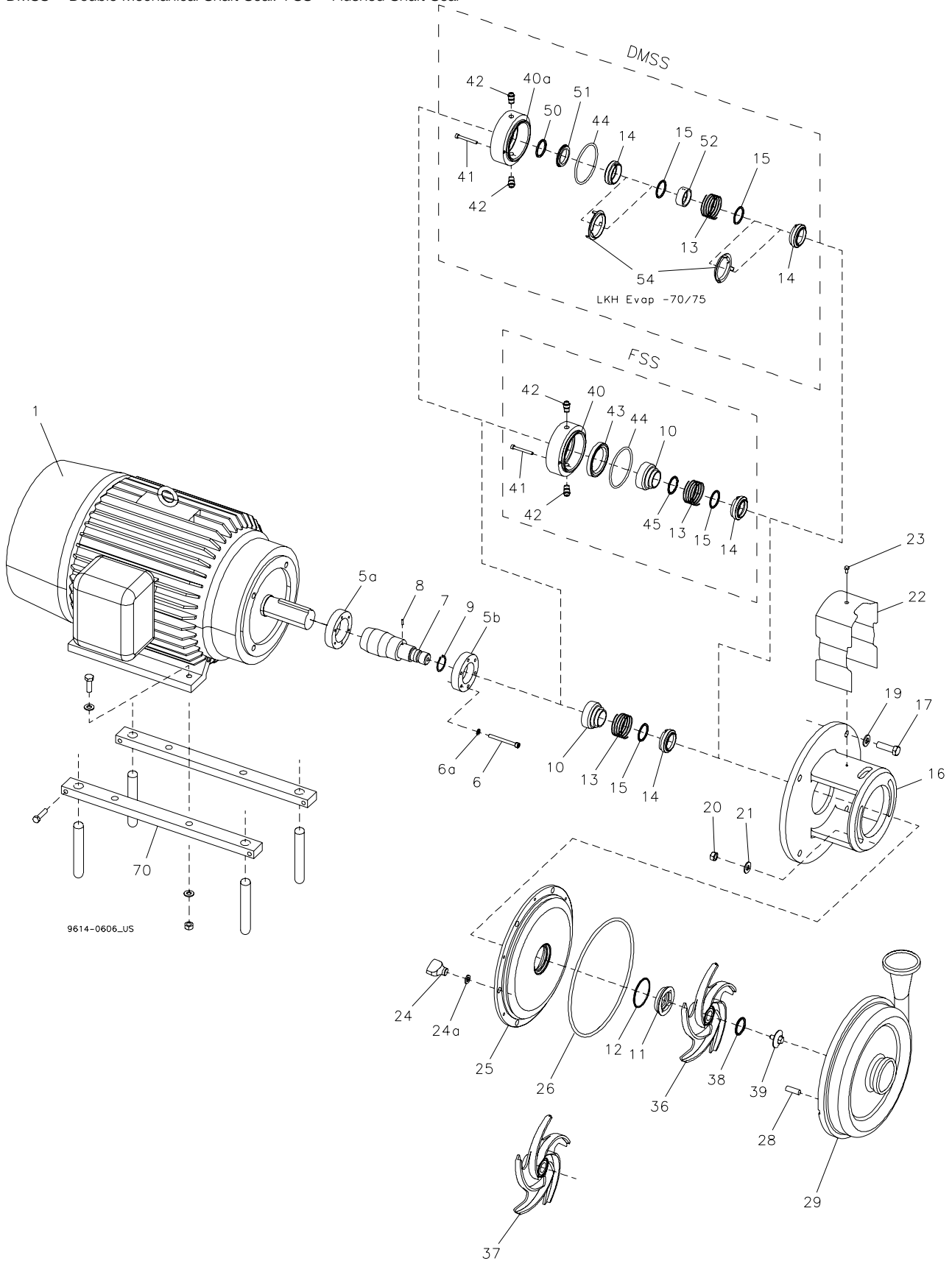
DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal



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Pos	Qty	Denomination	LKH Evap	LKH Evap 70	LKH Evap 70	LKH Evap 70	LKH Evap 70	
			10-60 IEC200	IEC132 1500rpm	IEC160	IEC180	IEC200	IEC250
2	1	Shroud	9612593801	9612139008	9612139005	9612139006	9612593801	9612593804
2a	1	Edge list, (Included in pos. 2)						
3	4	Screw	9611993243	9611993240	9611993241	9611993243	9611993243	9611993243
5a	1	Compression ring with thread	9612133607	9612133605	9612133603	9612133604	9612133607	9612133608
5b	1	Compression ring without thread	9612133707	9612133705	9612133703	9612133704	9612133707	9612133708
6	6	Screw	9611993198	9611993197	9611993198	9611993198	9611993198	9611993266
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)	9612232902		9612512603	9612512303	9612512203	9612501003
	1	Shaft incl. pin and retaining ring, (pos.8+9)		9612614703				
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring	9611993812					
16	1	Adaptor	9612342701	9612614601	9612511901	9612511901	9612511801	9612500801
17	4	Screw for adaptor	9611992164	9611992162	9611992163	9611992164	9611992164	9611992200
18	4	Nut for adaptor	9611992160	9611990587	9611992160	9611992160	9611992160	9611992160
19	4	Washer for adaptor	9611991886	9611990676	9611991886	9611991886	9611991886	9611991886
22	1	Safety guard set	9614077404	9614077406	9614077407	9614077407	9614077407	9614077408
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239	9611993239
30a	1	Support bar, right	9612342201	9612132206	9612132203	9612132204	9612342201	
30b	1	Support bar, left	9612342201	9612132306	9612132303	9612132304	9612342201	
31	4	Leg	9612396701	9612396701	9612396701	9612396701	9612396701	
32	4	Screw	9611991907	9611991126	9611991126	9611991126	9611991907	
33	4	Nut	9611992160	9611990353	9611990587	9611990587	9611990587	9611990935
34	4	Spring washer	9611991886	9611991887	9611990676	9611990676	9611990676	9611993267
35	4	Screw	9611993680	9611991911	9611991834	9611991834	9611993680	9611993268
35a	4	Washer	9611990703	9611990786	9611990706	9611990706	9611990703	9611993269
46	4	Distance sleeve	3143803903	9611992737	3143803902	3143803901	3143803903	3143803901
47	2	Leg bracket						9612518401
48	4	Nut for leg						9611993260
49	4	Screw for leg						9612518501
53	4	Pivot screw	9611991763				9611991763	

DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal





Pos	Qty	Denomination	1 Hp	1.5 Hp	2 Hp	3 Hp	5 Hp
1	1	Motor	143TC (1800 rpm)	143TC	145TC	182TC	184TC

Pos	Qty	Denomination	7.5 Hp	10 Hp	15 Hp	20 Hp	25 Hp
1	1	Motor	213TC	215TC	254TC	256TC	284TSC

Pos	Qty	Denomination	30 Hp	40 Hp	50 Hp	60 Hp	70 Hp	100 Hp
1	1	Motor	286TSC	324TSC	326TSC	364TSC	365TSC	405TSC

Pos	Qty	Denomination	1-2 Hp	3-5 Hp	7.5-10 Hp	15-20 Hp	25-30 Hp	40-50 Hp
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**LKH Evap -10/60**

5a	1	Compression ring with thread	9612133601	9612133602	9612133606	9612133603	9612133603	9612133604
5b	1	Compression ring without thread	9612133701	9612133702	9612133706	9612133703	9612133703	9612133704
6	6	Screw	9611993196	9611993196	9611993197	9611993198	9611993198	9611993198
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft and pin, (pos.8)		9612133102	9612133202	9612133302	9612133302	9612133402
	1	Shaft, pin (pos.8) and retaining (pos.9)	9612133002					
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622	9611990622
9	1	Retaining ring	9611992307					
16	1	Adaptor	9612342801	9612342901	9612343001	9612343101	9612343102	9612342602
17	4	Screw for adaptor	9611994411	9611994412	9611994413	9611994414	9611994414	9611994415
19	4	Washer for adaptor	9611994416	9611994417	9611994417	9611994417	9611994417	9611994418
22	1	Safety guard set	9614077413	9614077405	9614077412	9614077409	9614077409	9614077409
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239	9611993239

**Legs**

70	1	Leg bracket	481656	481661	481663	481665	481669	9634056195
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Pos	Qty	Denomination	15-20 Hp	25-30 Hp	40-50 Hp	60-75 Hp	100 Hp
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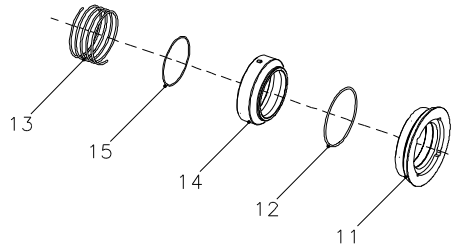
**LKH Evap -70/75**

5a	1	Compression ring with thread	9612133603	9612133603	9612133604	9612133604	9612133607
5b	1	Compression ring without thread	9612133703	9612133703	9612133704	9612133704	9612133707
6	6	Screw	9611993198	9611993198	9611993198	9611993198	9611993266
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft and pin (pos.8)	9612512403	9612512403	9612512503	9612512503	9612554003
8	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622
16	1	Adaptor	9612512001	9612512002	9612511902	9612511902	9612511902
17	4	Screw for adaptor	9611994414	9611994414	9611994415	9611994415	9611994415
19	4	Washer for adaptor	9611994417	9611994417	9611994418	9611994418	9611994418
22	1	Safety guard set	9614077410	9614077410	9614077410	9614077410	9614077410
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239

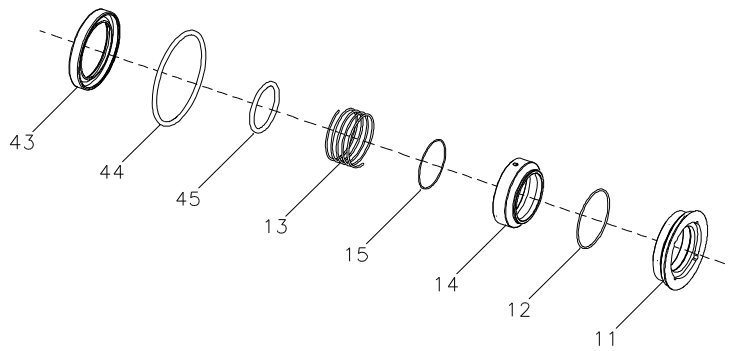
**Legs**

70	1	Leg bracket	481665	481669	9634056195	9634056196	9634056196
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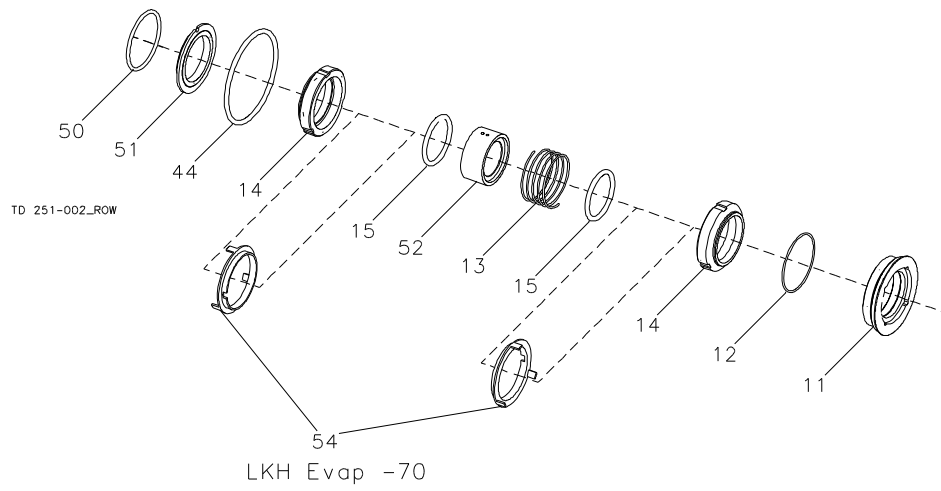
Single Shaft Seal



Flushed Shaft Seal



Double Mechanical Shaft Seal

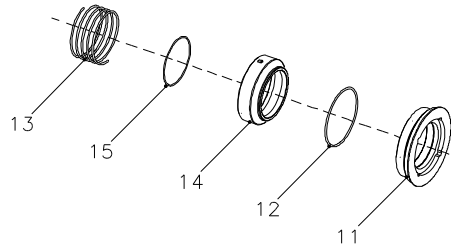


Pos	Qty	Denomination	LKH Evap	
			10-60	LKH Evap 70
<b>Accessories</b>				
	1	Tool complete	9612903601	9612903701
<b>Parts for flushed shaft seal</b>				
40	1	Seal housing	9612133901	9612514401
41	2	Screw for seal housing	9611990203	9611993232
42	2	Fittings	9911992323	9611992323
<b>Parts for double mechanical shaft seal</b>				
40a	1	Seal housing	9612133902	9612591401
41	2	Screw for seal housing	9611990203	9611993766
42	2	Fittings	9611992323	9611992323
<b>Drive ring</b>				
10	1	Drive ring, Single shaft seal steel	9614206001	9612514901
	1	Drive ring, Flushed shaft seal	9612139701	

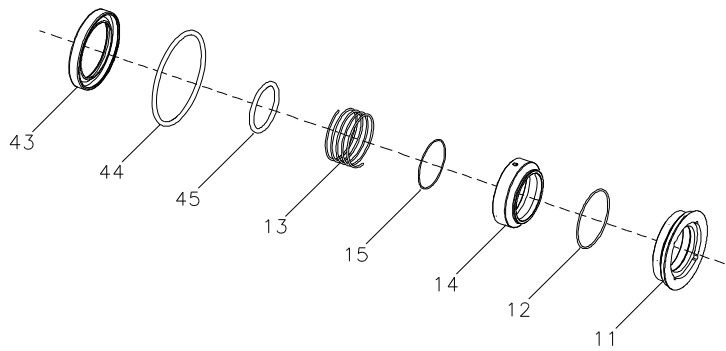
**Shaft seals for LKH Evap 10-60**

Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
□		Complete shaft seal, C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
<b>Alternatives for single shaft seal</b>						
★		Complete shaft seal, SiC/SiC	9612129605	9612129606	9612129607	9612129608
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
<b>Flushed shaft seal (Standard)</b>						
♦		Complete shaft seal, C/SiC	9612129625	9612129626	9612129627	9612129628
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
△		Complete shaft seal, SiC/SiC	9612129629	9612129630	9612129631	9612129632
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				
<b>Double mechanical shaft seal (Standard)</b>						
○		Complete shaft seal, C/SiC	9612129613	9612129614	9612129615	9612129616
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				

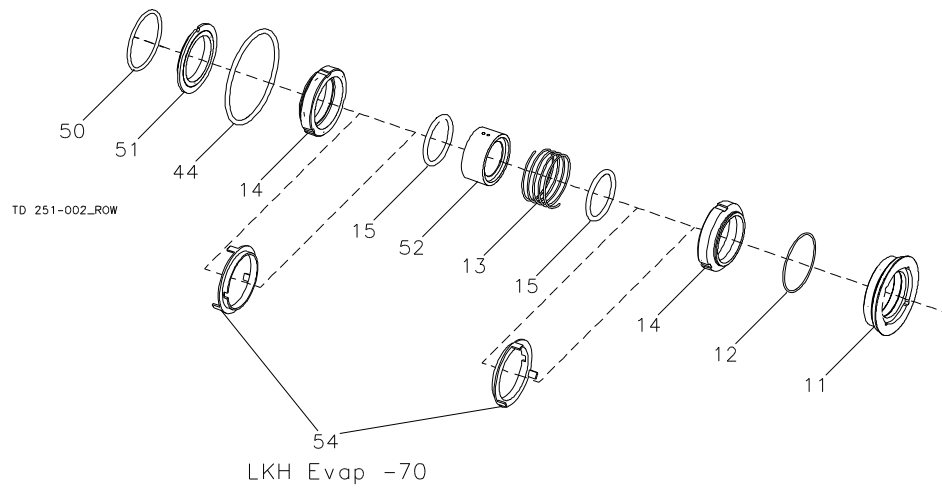
Single Shaft Seal



Flushed Shaft Seal



Double Mechanical Shaft Seal



Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Alternatives for double mechanical shaft seal</b>						
▲		Complete shaft seal, SiC/SiC	9612129617	9612129618	9612129619	9612129620
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				

**Shaft seals for LKH Evap 70**

Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Single shaft seal (Standard)</b>						
□		Complete shaft seal, C/SiC	9612515101	9612515102	9612515103	9612515104
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				

**Alternatives for single shaft seal**

★		Complete shaft seal, SiC/SiC	9612515105	9612515106	9612515107	9612515108
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				

**Flushed shaft seal (Standard)**

◆		Complete shaft seal, C/SiC	9612515109	9612515110	9612515111	9612515112
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				

**Alternatives for flushed shaft seal**

△		Complete shaft seal, SiC/SiC	9612515113	9612515114	9612515115	9612515116
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				

**Double mechanical shaft seal (Standard)**

○		Complete shaft seal, C/SiC	9612515117	9612515118	9612515119	9612515120
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, (Double mechanical shaft seal) carbon				
15	2	O-ring, (Double mechanical shaft seal)				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
54	2	Cup				

**Alternatives for double mechanical shaft seal**

▲		Complete shaft seal, SiC/SiC	9612515121	9612515122	9612515123	9612515124
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
54	2	Cup				

		EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal C/SiC</b>					
♦	Service kit, C/SiC (LKH Evap-10/15) . . . . .	9611922114	9611922115	9611922116	9611922117
♦	Service kit, C/SiC (LKH Evap-20) . . . . .	9611922122	9611922123	9611922124	9611922125
♦	Service kit, C/SiC (LKH Evap-25/35/45) . . . . .	9611922182	9611922183	9611922184	9611922185
♦	Service kit, C/SiC (LKH Evap-40/50/60) . . . . .	9611922130	9611922131	9611922132	9611922133
♦	Service kit, C/SiC (LKH Evap-70) . . . . .	9611922238	9611922239	9611922240	9611922241
<b>Service kit for single shaft seal SiC/SiC</b>					
◇	Service kit, SiC/SiC (LKH Evap-10/15) . . . . .	9611922550	9611922551	9611922552	9611922553
◇	Service kit, SiC/SiC (LKH Evap-20) . . . . .	9611922574	9611922575	9611922576	9611922577
◇	Service kit, SiC/SiC (LKH Evap-25/35/45) . . . . .	9611922598	9611922599	9611922600	9611922601
◇	Service kit, SiC/SiC (LKH Evap-40/50/60) . . . . .	9611922623	9611922624	9611922625	9611922626
◇	Service kit, SiC/SiC (LKH Evap-70) . . . . .	9611922643	9611922644	9611922645	9611922646
<b>Service kit for flushed shaft seal C/SiC</b>					
*	Service kit, C/SiC (LKH Evap-10/15) . . . . .	9611922118	9611922119	9611922120	9611922121
*	Service kit, C/SiC (LKH Evap-20) . . . . .	9611922126	9611922127	9611922128	9611922129
*	Service kit, C/SiC (LKH Evap-25/35/45) . . . . .	9611922190	9611922191	9611922192	9611922193
*	Service kit, C/SiC (LKH Evap-40/50/60) . . . . .	9611922134	9611922135	9611922136	9611922137
*	Service kit, C/SiC (LKH Evap-70) . . . . .	9611922242	9611922243	9611922244	9611922245
<b>Service kit for flushed shaft seal SiC/SiC</b>					
⊛	Service kit, SiC/SiC (LKH Evap-10/15) . . . . .	9611922558	9611922559	9611922560	9611922561
⊛	Service kit, SiC/SiC (LKH Evap-20) . . . . .	9611922582	9611922583	9611922584	9611922585
⊛	Service kit, SiC/SiC (LKH Evap-25/35/45) . . . . .	9611922606	9611922607	9611922608	9611922609
⊛	Service kit, SiC/SiC (LKH Evap-40/50/60) . . . . .	9611922631	9611922632	9611922633	9611922634
⊛	Service kit, SiC/SiC (LKH Evap-70) . . . . .	9611922647	9611922648	9611922649	9611922650
<b>Service kit for double mechanical shaft seal C/SiC</b>					
△	Service kit, C/SiC (LKH Evap-10/15) . . . . .	9611922210	9611922211	9611922212	9611922213
△	Service kit, C/SiC (LKH Evap-20) . . . . .	9611922218	9611922219	9611922220	9611922221
△	Service kit, C/SiC (LKH Evap-25/35/45) . . . . .	9611922226	9611922227	9611922228	9611922229
△	Service kit, C/SiC (LKH Evap-40/50/60) . . . . .	9611922234	9611922235	9611922236	9611922237
△	Service kit, C/SiC (LKH Evap-70) . . . . .	9611922416	9611922417	9611922418	9611922419
<b>Service kit for double mechanical shaft seal SiC/SiC</b>					
•	Service kit, SiC/SiC (LKH Evap-10/15) . . . . .	9611922566	9611922567	9611922568	9611922569
•	Service kit, SiC/SiC (LKH Evap-20) . . . . .	9611922590	9611922591	9611922592	9611922593
•	Service kit, SiC/SiC (LKH Evap-25/35/45) . . . . .	9611922614	9611922615	9611922616	9611922617
•	Service kit, SiC/SiC (LKH Evap-40/50/60) . . . . .	9611922639	9611922640	9611922641	9611922642
•	Service kit, SiC/SiC (LKH Evap-70) . . . . .	9611922651	9611922652	9611922653	9611922654

Parts marked with □♦○★△▲ are included in the service kits.

Recommended spare parts: Service kits.

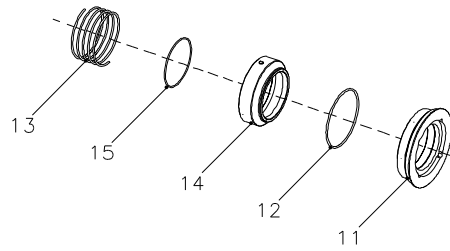
Conversion single to flushed shaft seal : Please order flushed service kit + pos. 40 + 41 + 42 (LKH Evap10-60 + pos. 10)

Conversion single or Flushed to double mechanical shaft seal : Please order Double mechanical service kit + pos. 40a + 41 + 42 (900589/8)

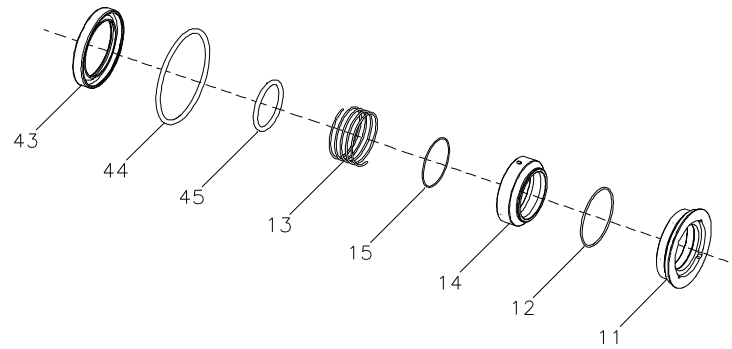


DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal

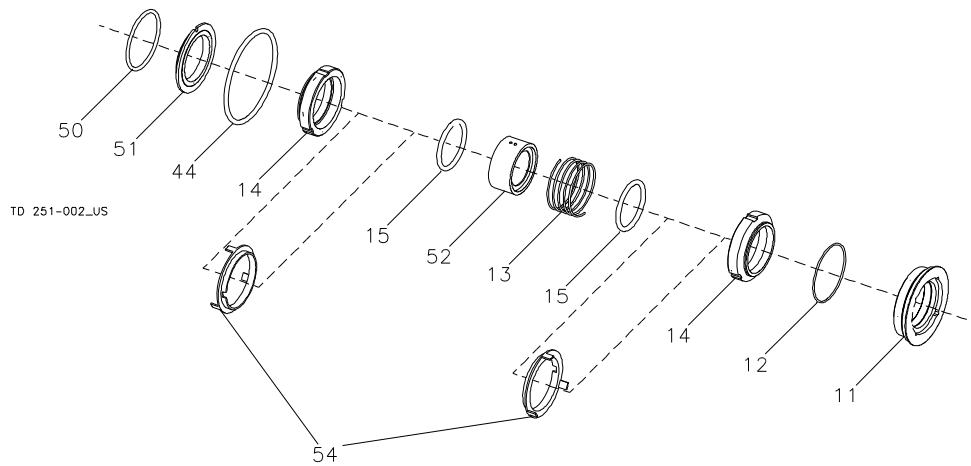
Single Shaft Seal



Flushed Shaft Seal



Mechanical Shaft Seal



LKH Evap -70/75



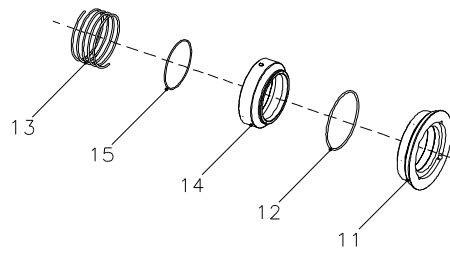
Pos	Qty	Denomination	LKH Evap 10-20	LKH Evap 25-60	LKH Evap 70-75
<b>Accessories</b>					
	1	Tool complete	9612903601	9612903601	9612903701
<b>Parts for Flushed Shaft Seal</b>					
40	1	Seal housing (period -12. 2014)	9612133901	9612133901	9612514401
	1	Seal housing (period 12. 2014-)	9612133903	9612133903	9612514403
41	2	Screw for seal housing	9611990203	9611990203	9611993232
42	2	Fittings (period -04 2014)	9611992323	9611992323	9611992323
	2	Tube (period 04 2014-)	9612358916	9612358918	9612358917
<b>Parts for Double Mechanical Shaft Seal</b>					
40a	1	Seal housing (period -12. 2014)	9612133902	9612133902	9612591401
	1	Seal housing (period 12. 2014-)	9612133904	9612133904	9612591402
41	2	Screw for seal housing	9611990203	9611990203	9611993766
42	2	Fittings (period -12. 2014)	9611992323	9611992323	9611992323
	2	Tube (period 12. 2014-)	9612358916	9612358918	9612358917
<b>Drive ring</b>					
10	1	Drive ring, Single shaft seal steel	9614206001	9614206001	9612514901
	1	Drive ring, Flushed shaft seal	9612139701	9612139701	

LKH Evap 10-60

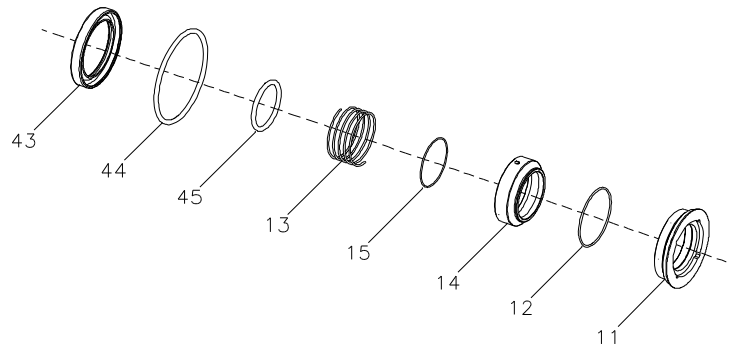
Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Single shaft seal (standard)</b>						
□		Complete shaft seal C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
<b>Alternatives for single shaft seal</b>						
♦		Complete shaft seal SiC/SiC	9612129605	9612129606	9612129607	9612129608
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
<b>Flushed shaft seal (standard)</b>						
○		Complete shaft seal C/SiC	9612129625	9612129626	9612129627	9612129628
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
*		Complete shaft seal SiC/SiC	9612129629	9612129630	9612129631	9612129632
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				
<b>Double mechanical shaft seal (standard)</b>						
△		Complete seal C/SiC	9612129613	9612129614	9612129615	9612129616
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				

DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal

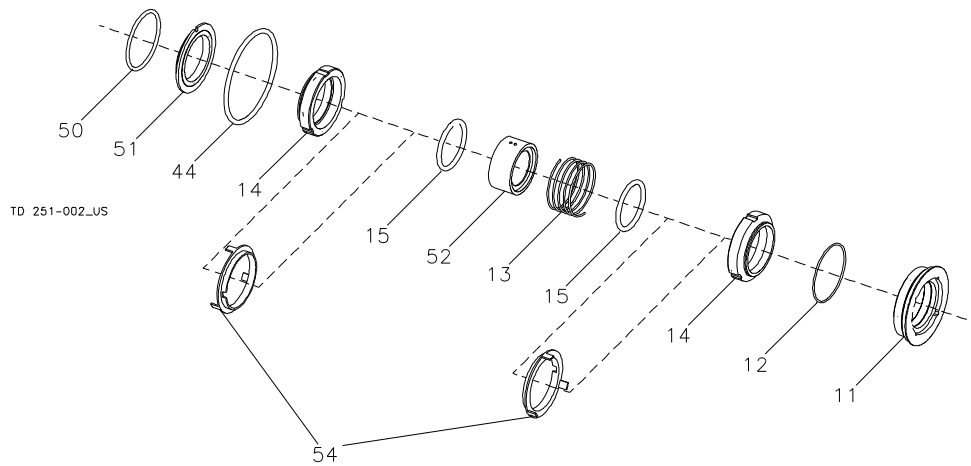
Single Shaft Seal



Flushed Shaft Seal



Mechanical Shaft Seal



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LKH Evap -70/75

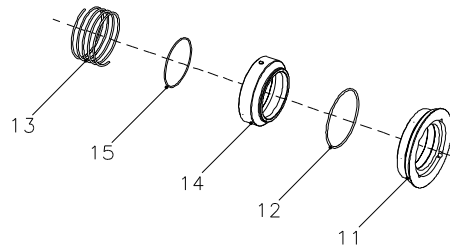
Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Alternatives for Double Mechanical shaft seal</b>						
▲		Complete shaft seal SiC/SiC	9612129617	9612129618	9612129619	9612129620
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				

**LKH Evap 70-75**

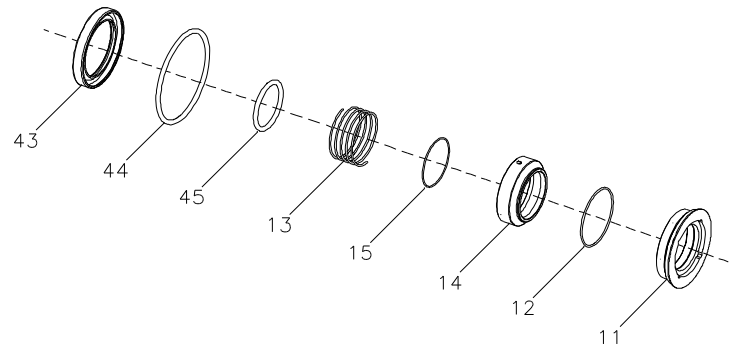
Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Single shaft seal (standard)</b>						
□		Complete shaft seal C/SiC	9612515101	9612515102	9612515103	9612515104
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
<b>Alternatives for single shaft seal</b>						
♦		Complete shaft seal SiC/SiC	9612515105	9612515106	9612515107	9612515108
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
<b>Flushed shaft seal (standard)</b>						
○		Complete shaft seal C/SiC	9612515109	9612515110	9612515111	9612515112
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
*		Complete shaft seal SiC/SiC	9612515113	9612515114	9612515115	9612515116
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				
<b>Double mechanical shaft seal (standard)</b>						
Δ		Complete seal C/SiC	9612515117	9612515118	9612515119	9612515120
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
54	2	Cup				

DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal

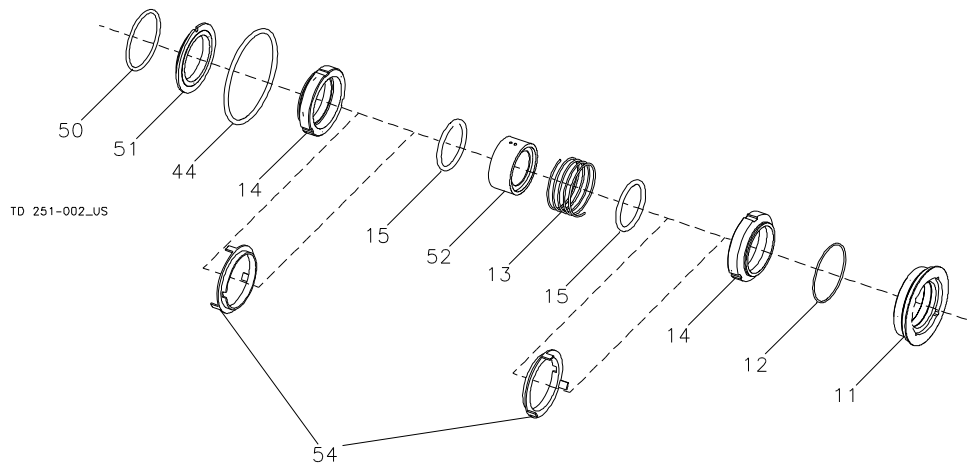
Single Shaft Seal



Flushed Shaft Seal



Mechanical Shaft Seal



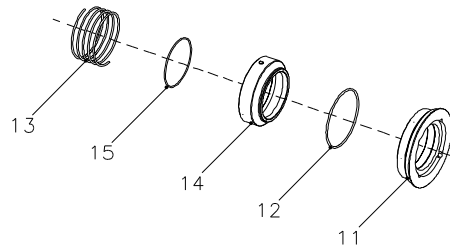
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LKH Evap -70/75

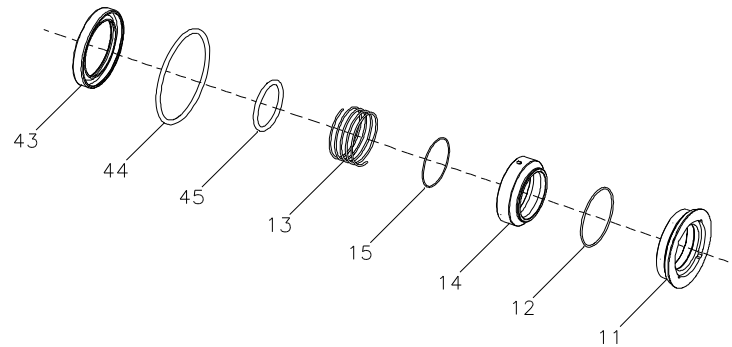
Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Alternatives for Double Mechanical shaft seal</b>						
▲		Complete shaft seal SiC/SiC .....	9612515121	9612515122	9612515123	9612515124
11	1	Stationary seal ring, SiC .....				
12	1	O-ring .....				
13	1	Spring .....				
14	2	Rotating seal ring, SiC .....				
15	2	O-ring .....				
44	1	O-ring for seal housing EPDM .....				
50	1	O-ring, EPDM .....				
51	1	Sec. stationary seal ring .....				
52	1	Drive ring .....				
54	2	Cup .....				
			EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal C/SiC</b>						
□		Service kit, C/SiC (LKH Evap-10/15) .....	9611922114	9611922115	9611922116	9611922117
□		Service kit, C/SiC (LKH Evap-20) .....	9611922122	9611922123	9611922124	9611922125
□		Service kit, C/SiC (LKH Evap-25/35/45) .....	9611922182	9611922183	9611922184	9611922185
□		Service kit, C/SiC (LKH Evap-40/50/60) .....	9611922130	9611922131	9611922132	9611922133
□		Service kit, C/SiC (LKH Evap-70) .....	9611922238	9611922239	9611922240	9611922241
□		Service kit, C/SiC (LKH Evap-75) .....	9611922976	9611922977	9611922978	
<b>Service kit for single shaft seal SiC/SiC</b>						
♦		Service kit, SiC/SiC (LKH Evap-10/15) .....	9611922550	9611922551	9611922552	9611922553
♦		Service kit, SiC/SiC (LKH Evap-20) .....	9611922574	9611922575	9611922576	9611922577
♦		Service kit, SiC/SiC (LKH Evap-25/35/45) .....	9611922598	9611922599	9611922600	9611922601
♦		Service kit, SiC/SiC (LKH Evap-40/50/60) .....	9611922623	9611922624	9611922625	9611922626
♦		Service kit, SiC/SiC (LKH Evap-70) .....	9611922643	9611922644	9611922645	9611922646
♦		Service kit, SiC/SiC (LKH Evap-75) .....	9611922985	9611922986	9611922987	
<b>Service kit for flushed shaft seal C/SiC</b>						
○		Service kit, C/SiC (LKH Evap-10/15) .....	9611922118	9611922119	9611922120	9611922121
○		Service kit, C/SiC (LKH Evap-20) .....	9611922126	9611922127	9611922128	9611922129
○		Service kit, C/SiC (LKH Evap-25/35/45) .....	9611922190	9611922191	9611922192	9611922193
○		Service kit, C/SiC (LKH Evap-40/50/60) .....	9611922134	9611922135	9611922136	9611922137
○		Service kit, C/SiC (LKH Evap-70) .....	9611922242	9611922243	9611922244	9611922245
○		Service kit, C/SiC (LKH Evap-75) .....	9611922979	9611922980	9611922981	
<b>Service kit for flushed shaft seal SiC/SiC</b>						
*		Service kit, SiC/SiC (LKH Evap-10/15) .....	9611922558	9611922559	9611922560	9611922561
*		Service kit, SiC/SiC (LKH Evap-20) .....	9611922582	9611922583	9611922584	9611922585
*		Service kit, SiC/SiC (LKH Evap-25/35/45) .....	9611922606	9611922607	9611922608	9611922609
*		Service kit, SiC/SiC (LKH Evap-40/50/60) .....	9611922631	9611922632	9611922633	9611922634
*		Service kit, SiC/SiC (LKH Evap-70) .....	9611922647	9611922648	9611922649	9611922650
*		Service kit, SiC/SiC (LKH Evap-75) .....	9611922988	9611922989	9611922990	
<b>Service kit for double mechanical shaft seal C/SiC</b>						
Δ		Service kit, C/SiC (LKH Evap-10/15) .....	9611922210	9611922211	9611922212	9611922213
Δ		Service kit, C/SiC (LKH Evap-20) .....	9611922218	9611922219	9611922220	9611922221
Δ		Service kit, C/SiC (LKH Evap-25/35/45) .....	9611922226	9611922227	9611922228	9611922229
Δ		Service kit, C/SiC (LKH Evap-40/50/60) .....	9611922234	9611922235	9611922236	9611922237
Δ		Service kit, C/SiC (LKH Evap-70) .....	9611922416	9611922417	9611922418	9611922419
Δ		Service kit, C/SiC (LKH Evap-75) .....	9611922982	9611922983	9611922984	

DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal

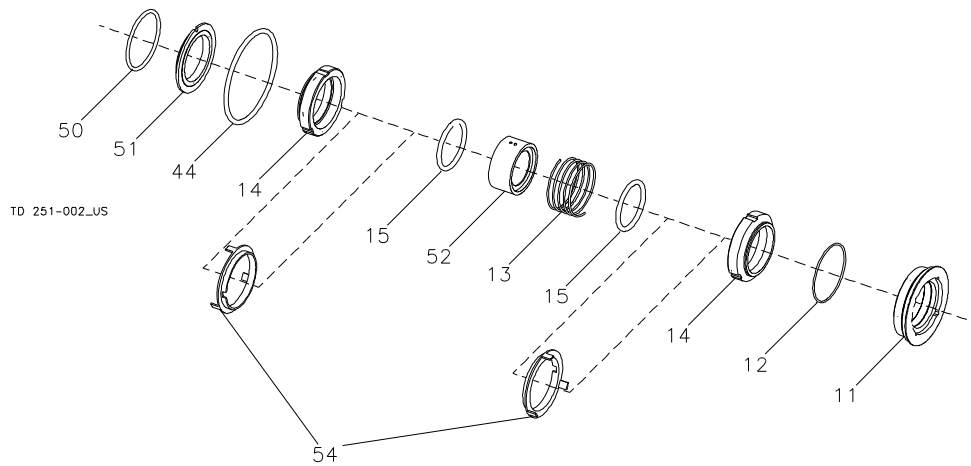
Single Shaft Seal



Flushed Shaft Seal



Mechanical Shaft Seal



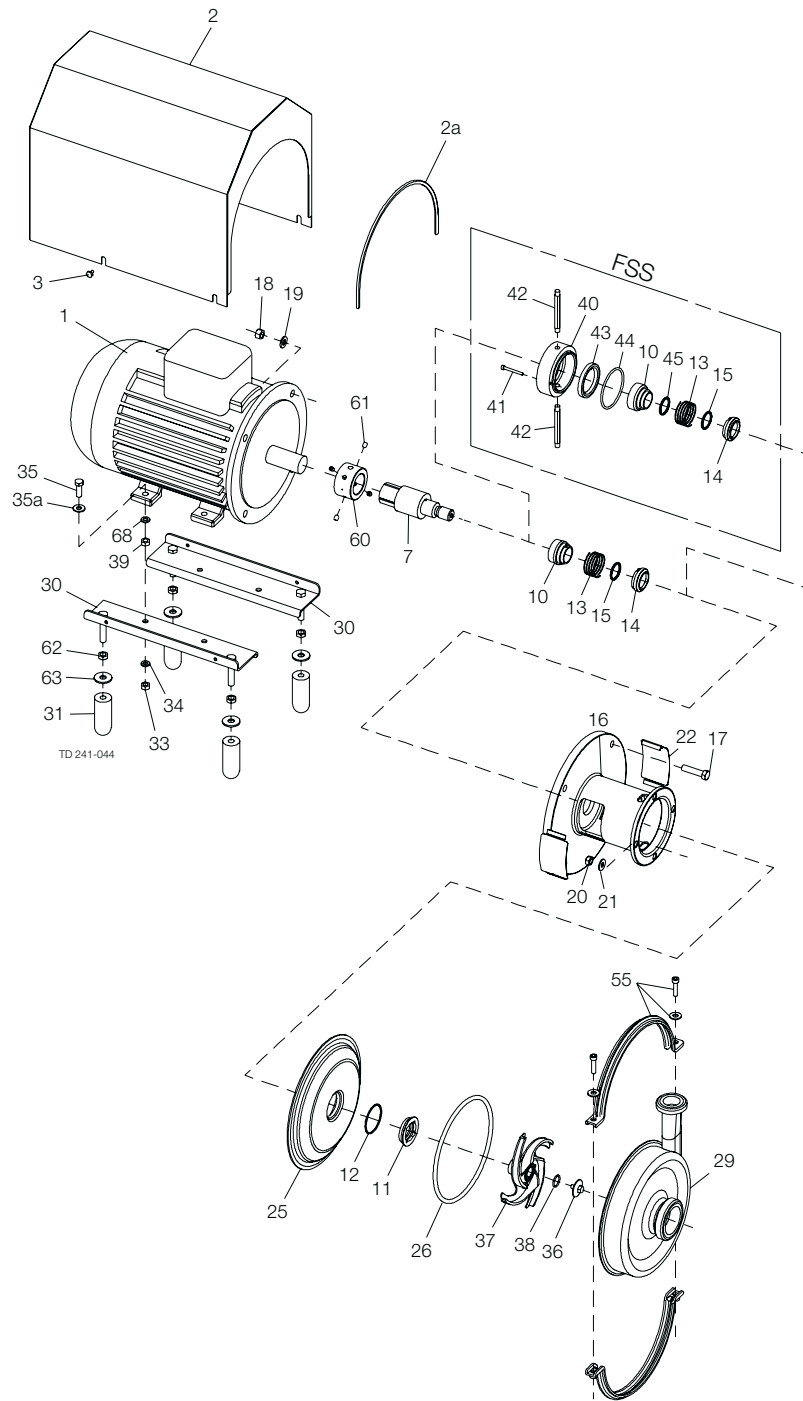
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LKH Evap -70/75

		EPDM	NBR	FPM	FEP
<b>Service kit for double mechanical shaft seal SiC/SiC</b>					
▲	Service kit, SiC/SiC (LKH Evap-10/15) . . . . .	9611922566	9611922567	9611922568	9611922569
▲	Service kit, SiC/SiC (LKH Evap-20) . . . . .	9611922590	9611922591	9611922592	9611922593
▲	Service kit, SiC/SiC (LKH Evap-25/35/45) . . . . .	9611922614	9611922615	9611922616	9611922617
▲	Service kit, SiC/SiC (LKH Evap-40/50/60) . . . . .	9611922639	9611922640	9611922641	9611922642
▲	Service kit, SiC/SiC (LKH Evap-70) . . . . .	9611922651	9611922652	9611922653	9611922654
▲	Service kit, SiC/SiC (LKH Evap-75) . . . . .	9611922991	9611922992	9611922993	

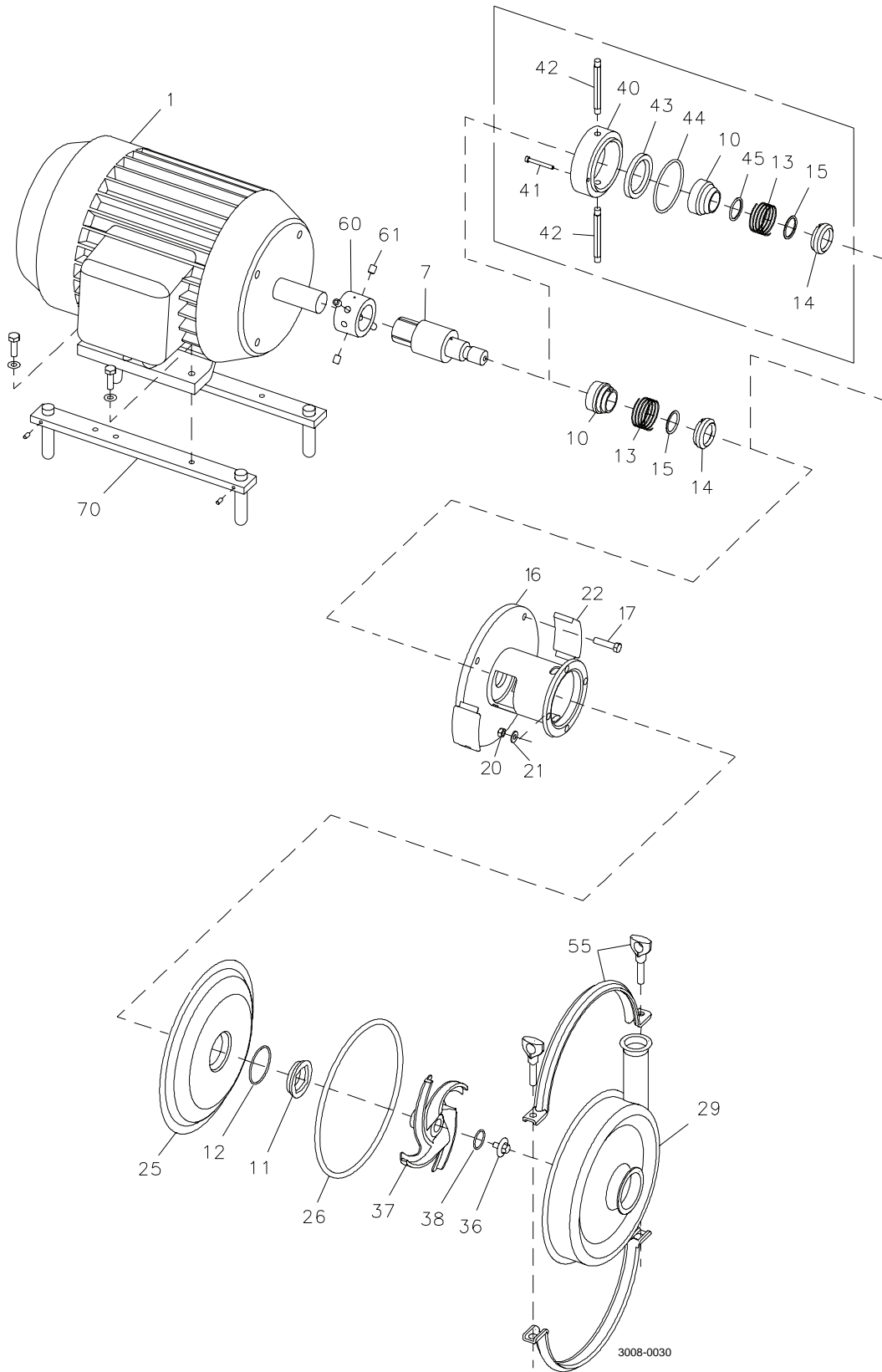
Parts marked with ◻♦○★▲ are included in the service kits  
 Recommended spare parts: Service kits.

Shaft seal: See end of spare part  
 Conversion single to flushed shaft seal : Please order flushed service kit + pos. 40 + 41 + 42 (LKH Evap10-60 + pos. 10)  
 Conversion single or Flushed to double mechanical shaft seal : Please order Double mechanical service kit + pos. 40a + 41 + 42  
 (900590/8)

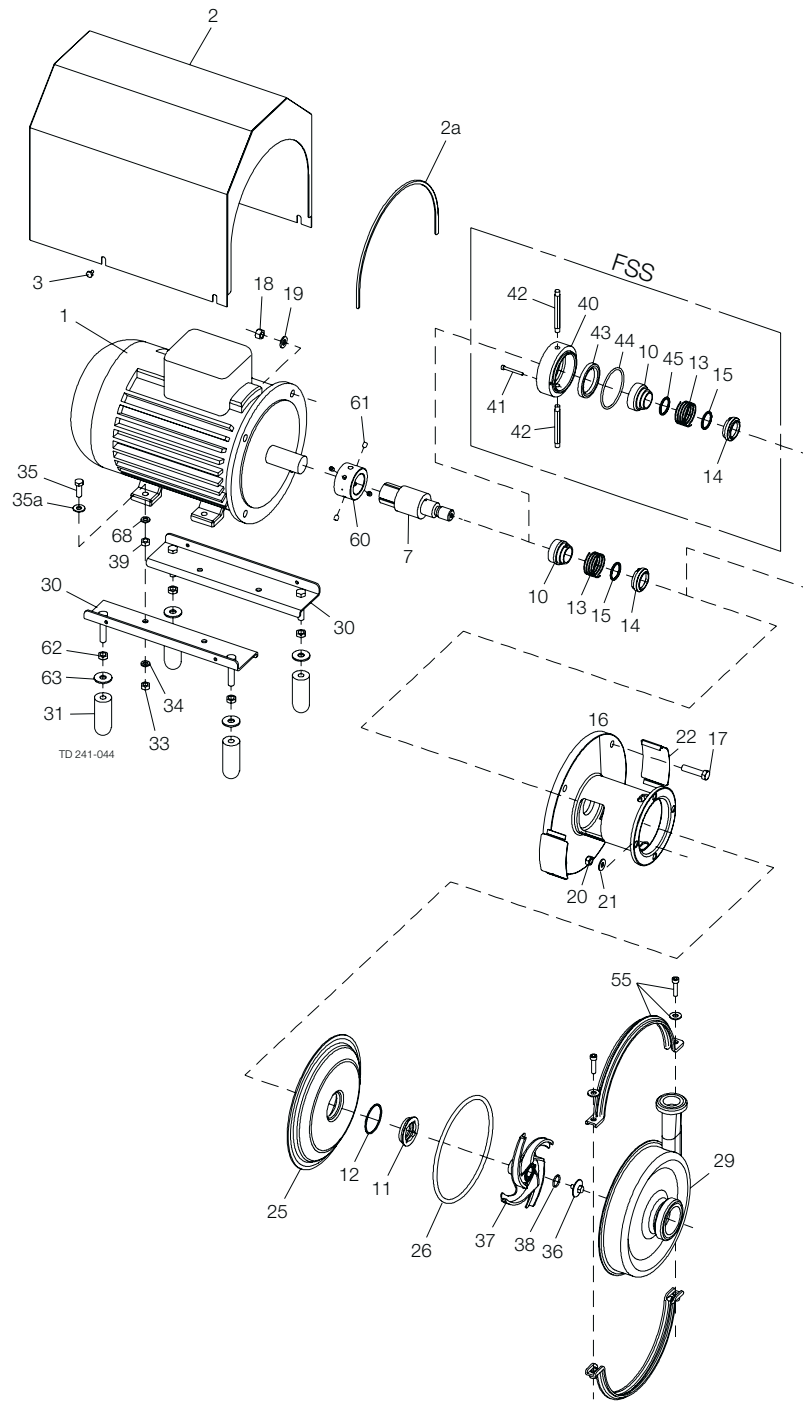




Pos	Qty	Denomination	Solid C1	Solid C2	Solid C3	Solid C4
			IEC90-IEC112	IEC100-IEC160	IEC132-IEC160	IEC132-IEC160
<b>Pump casing std. blasted</b>						
29	1	Pump casing, IDF	9612910101	9612910108		9612910122
		Pump casing, SMS	9612910102	9612910109	9612910116	9612910123
		Pump casing, DIN	9612910103	9612910110	9612910117	9612910124
		Pump casing, ISO	9612910104	9612910111	9612910118	9612910125
		Pump casing, BS	9612910105	9612910112	9612910119	9612910126
		Pump casing, DS	9612910106	9612910113	9612910120	9612910127
		Pump casing, sanitary flanges	9612910107	9612910114	9612910121	9612910128
	1	Pump casing, flange DN50/DN40	9612913001			
	1	Pump casing, flange DN65/DN40		9612913002		
	1	Pump casing, flange DN80/DN40			9612913003	
	1	Pump casing, flange DN80/DN50				9612913004
<b>Pump casing Mech Ra ≤ 0.8</b>						
29	1	Pump casing, IDF	9612910301	9612910308	9612910315	9612910322
	1	Pump casing, SMS	9612910302	9612910309	9612910316	9612910323
	1	Pump casing, DIN	9612910303	9612910310	9612910317	9612910324
	1	Pump casing, ISO	9612910304	9612910311	9612910318	9612910325
	1	Pump casing, BS	9612910305	9612910312	9612910319	9612910326
	1	Pump casing, DS	9612910306	9612910313	9612910320	9612910327
	1	Pump casing, sanitary flanges	9612910307	9612910314	9612910321	9612910328
26	□◆○■	O-ring for casing, EPDM (standard)	9611994241	9611994245	9611994249	9611994253
	1	O-ring for casing, NBR	9611994242	9611994246	9611994250	9611994254
	1	O-ring for casing, FPM	9611994243	9611994247	9611994251	9611994255
	1	O-ring for casing, FEP	9611994244	9611994248	9611994252	9611994256
55	1	Clamp set	9612915401	9612915402	9612915403	9612915404
37	1	Impeller, std. blasted	9612911502	9612911802	9612912102	9612912402
	1	Impeller, Mech Ra ≤ 0.8	9612911506	9612911806	9612912106	9612912406
36	1	Impeller screw, std. blasted Ra ≤ 1.6	9612362701	9612362701	9612362701	9612362701
	1	Impeller screw, Mech Ra ≤ 0.8	9612362703	9612362703	9612362703	9612362703
38	□◆○■	O-ring for impeller screw, EPDM (standard)	9611992750	9611992750	9611992750	9611992750
	1	O-ring for impeller screw, NBR	9611992751	9611992751	9611992751	9611992751
	1	O-ring for impeller screw, FPM	9611992752	9611992752	9611992752	9611992752
	1	O-ring for impeller screw, FEP	9611993539	9611993539	9611993539	9611993539
25	1	Back plate, std. blasted	9612911405	9612911406	9612911407	9612911408
	1	Back plate, Mech Ra ≤ 0.8	9612911409	9612911410	9612911411	9612911412
20	4	Nut	9611990353	9611990353	9611990353	9611990353
21	4	Washer	9611990786	9611990786	9611990786	9611990786



Pos	Qty	Denomination	Solid C1 1.5 - 2Hp	Solid C2 3 - 20Hp	Solid C3 5 - 30Hp	Solid C4 10 - 30HP
<b>Wed end</b>						
29	1	Pump Casing , polished Ra ≤ 32	9612910201	9612910202	9612910203	9612910204
26	1	□♦○■ O-ring for casing, EPDM (standard)	9611994241	9611994245	9611994249	9611994253
	1	O-ring for casing, NBR	9611994242	9611994246	9611994250	9611994254
	1	O-ring for casing, FPM	9611994243	9611994247	9611994251	9611994255
	1	O-ring for casing, FEP	9611994244	9611994248	9611994252	9611994256
55	1	Clamp set	9612915405	9612915406	9612915407	9612915408
36	1	Impeller screw , polished Ra ≤ 32	9612362703	9612362703	9612362703	9612362703
37	1	Impeller , polished Ra ≤ 32	9612911506	9612911806	9612912106	9612912406
38	1	□♦○■ O-ring for impeller screw, EPDM (standard)	9611992750	9611992750	9611992750	9611992750
	1	O-ring for impeller screw, NBR	9611992751	9611992751	9611992751	9611992751
	1	O-ring for impeller screw, FPM	9611992752	9611992752	9611992752	9611992752
	1	O-ring for impeller screw, FEP	9611993539	9611993539	9611993539	9611993539
25	1	Back plate, polished Ra ≤ 32	9612911409	9612911410	9612911411	9612911412
20	4	Nut for backplate	9611990353	9611990353	9611990353	9611990353
21	4	Washer for backplate	9611990786	9611990786	9611990786	9611990786

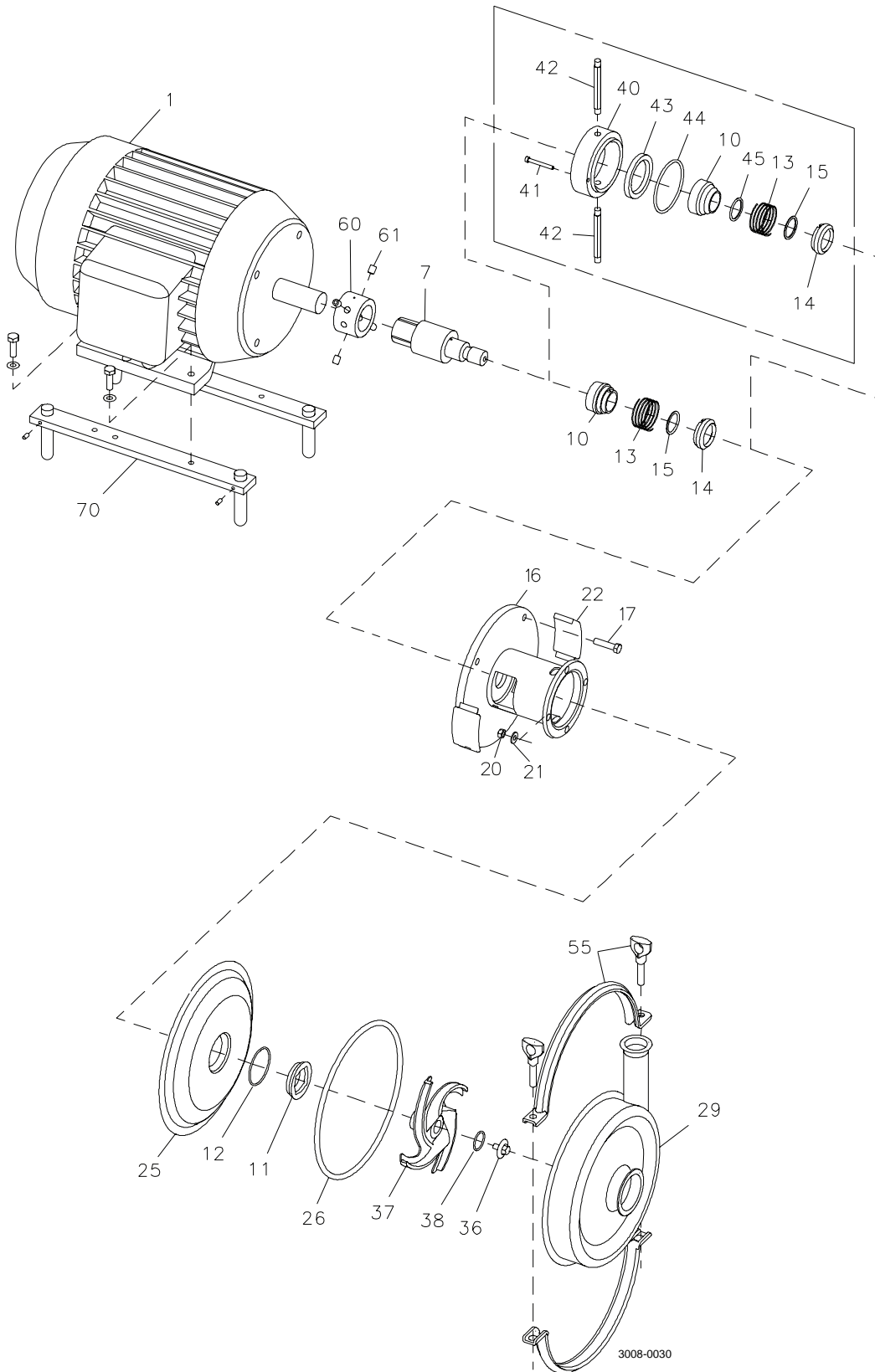


Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160	IEC160
<b>Motor dependent parts</b>								
2	1	Shroud	9612919101	9612919105	9612919102	9612919103	9612919104	9612919104
2a	1	Edge list for shroud, (included in pos. "shroud")						
3	4	Screw for shroud	9611993240	9611993240	9611993240	9611993240	9611993240	9611993240
7	1	Shaft	9612913201	9612913301	9612913301	9612913401	9612913501	9612913501
16	1	Adaptor	9613459301	9613459302	9613459302	9613459303	9613459304	9613459304
17	4	Screw for adaptor	9611991374	9611992162	9611992162	9611992162	9611992164	9611992164
18	4	Nut for adaptor	9611990353	9611990587	9611990587	9611990587	9611992160	9611992160
19	4	Washer for adaptor	9611991887	9611990676	9611990676	9611990676	9611991886	9611991886
22	2	Covers	9612916801	9612916801	9612916801	9612916801	9612916801	9612916801
60	1	Comp. ring	9612914201	9612914202	9612914202	9612914203	9612914401	9612914401
61	4	Screw for comp. ring	9611994258	9611994258	9611994258	9611994259	9611994259	9611994259
30	2	Bracket	9612917401	9612917402	9612917403	9612917404	9612917405	9612917406
31	4	Legs	3146012481	3146012481	3146012481	3146012481	3146012481	3146012481
33	4	Nut for legs	9611990360	9611990353	9611990353	9611990353	9611990587	9611990587
34	4	Spring washer for legs	9611991888	9611991887	9611991887	9611991887	9611990676	9611990676
35	4	Screw for legs	9611993241	9611991911	9611991911	9611991911	9611992162	9611992162
35a	4	Washer for legs		9611990786	9611990786	9611990786	9611990706	9611990706
62	4	Nut for legs	9611991829	9611991829	9611991829	9611991829	9611991829	9611991829
63	4	Washer for legs	3146001041	3146001041	3146001041	3146001041	3146001041	3146001041
39	4	Spacer for legs		9615309301				
68	4	Washer for legs		3146001041				

Pos	Qty	Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW
			IEC90	IEC90	IEC100	IEC112	IEC132
1	1	Motor WEG 3000rpm	9614303101	9614303102	9614303103	9614303104	9614303105

Pos	Qty	Denomination	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
			IEC132	IEC160	IEC160	IEC160	IEC160
1	1	Motor WEG, 3000rpm	9614303106	9614303107	9614303108	9614303109	9614303110

3 ~, 50 Hz, 220-240VD/380-415VY - Standard ≤ 22 kW  
 3 ~, 60 Hz, 460VY - Standard ≤ 22 kW



Pos	Qty	Denomination	1.5 - 2Hp	3 - 5Hp	7.5 - 10Hp	15 - 20Hp	25 - 30Hp
<b>Motor dependent parts</b>							
7	1	Shaft . . . . .	9612913701	9612913801	9612913901	9612914001	9612914001
16	1	Adaptor . . . . .	9613459305	9613459306	9613459307	9613459308	9613459309
22	2	Safety guard . . . . .	9612915301	9612915301	9612915301	9612915301	9612915301
60	1	Comp. Ring . . . . .	9612914204	9612914202	9612914205	9612914401	9612914401
61	4	Screw for comp. Ring . . . . .	9611994258	9611994258	9611994259	9611994259	9611994259
64	1	Motorflange . . . . .					
71	4	Spring washer for motorflange . . . . .	9611994416	9611994417	9611994417	9611994417	9611994417
17	4	Screw for motorflange . . . . .	9611994411	9611994412	9611994413	9611994414	9611994414
70	2	Bracket set stainless steel . . . . .	481656	481661	481663	481665	481669
	2	Bracket set carbon steel (standard) . . . . .	481655	481658	481662	481664	481668

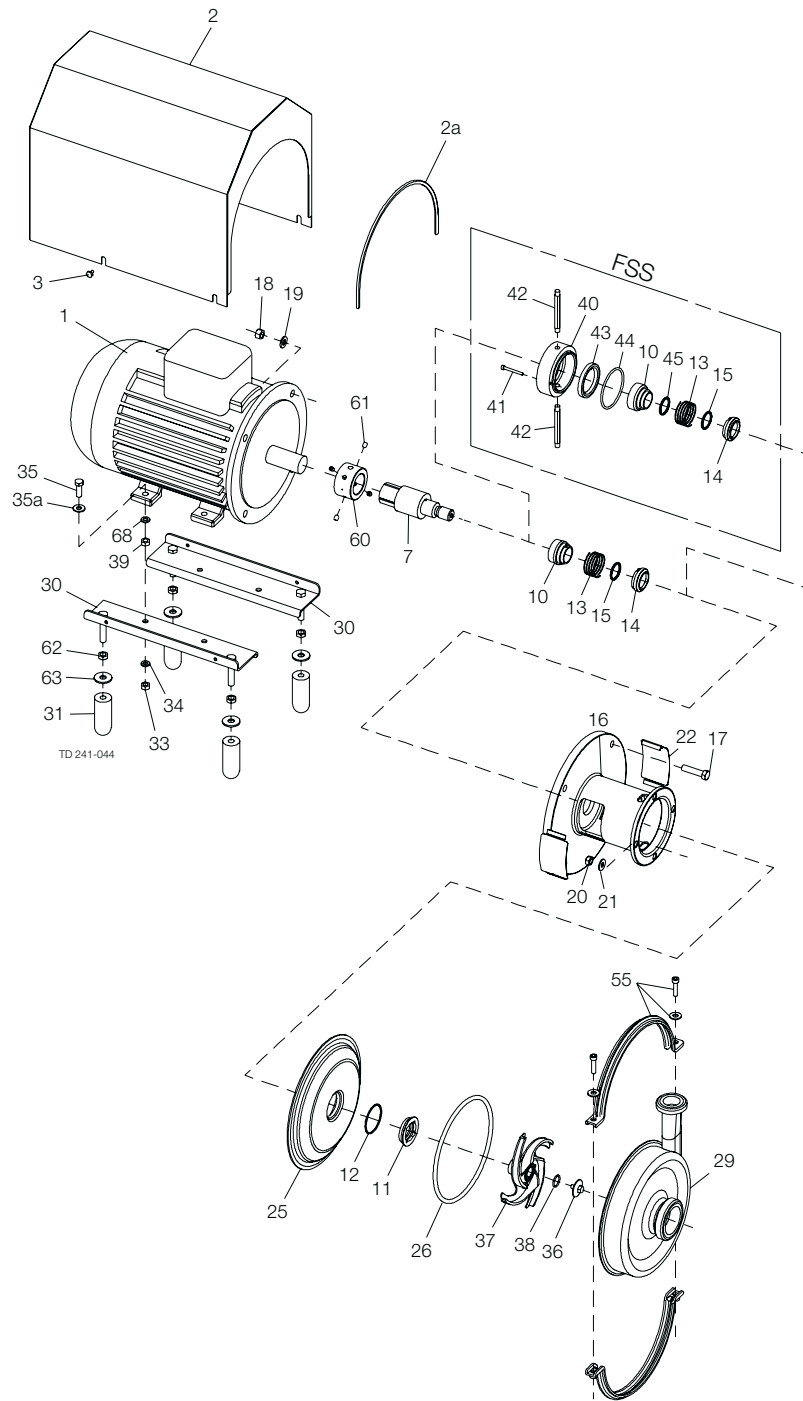
Pos	Qty	Denomination	1.5Hp	2Hp	3Hp	5Hp	7.5Hp
1	1	Motor 3600rpm . . . . .	9613601623	9613601624	9613601625	9613601626	9613601627

Pos	Qty	Denomination	10Hp	15Hp	20Hp	25Hp	30Hp
1	1	Motor 3600rpm . . . . .	9613601628	9613601629	9613601630	9613601631	9613601632

Pos	Qty	Denomination	1Hp	1.5Hp	2Hp	3Hp	5Hp
1	1	Motor 1800rpm . . . . .	9613601687	9613601688	9613601689	9613601690	9613601691

Pos	Qty	Denomination	7.5Hp	10Hp
1	1	Motor 1800rpm . . . . .	9613601692	9613601693

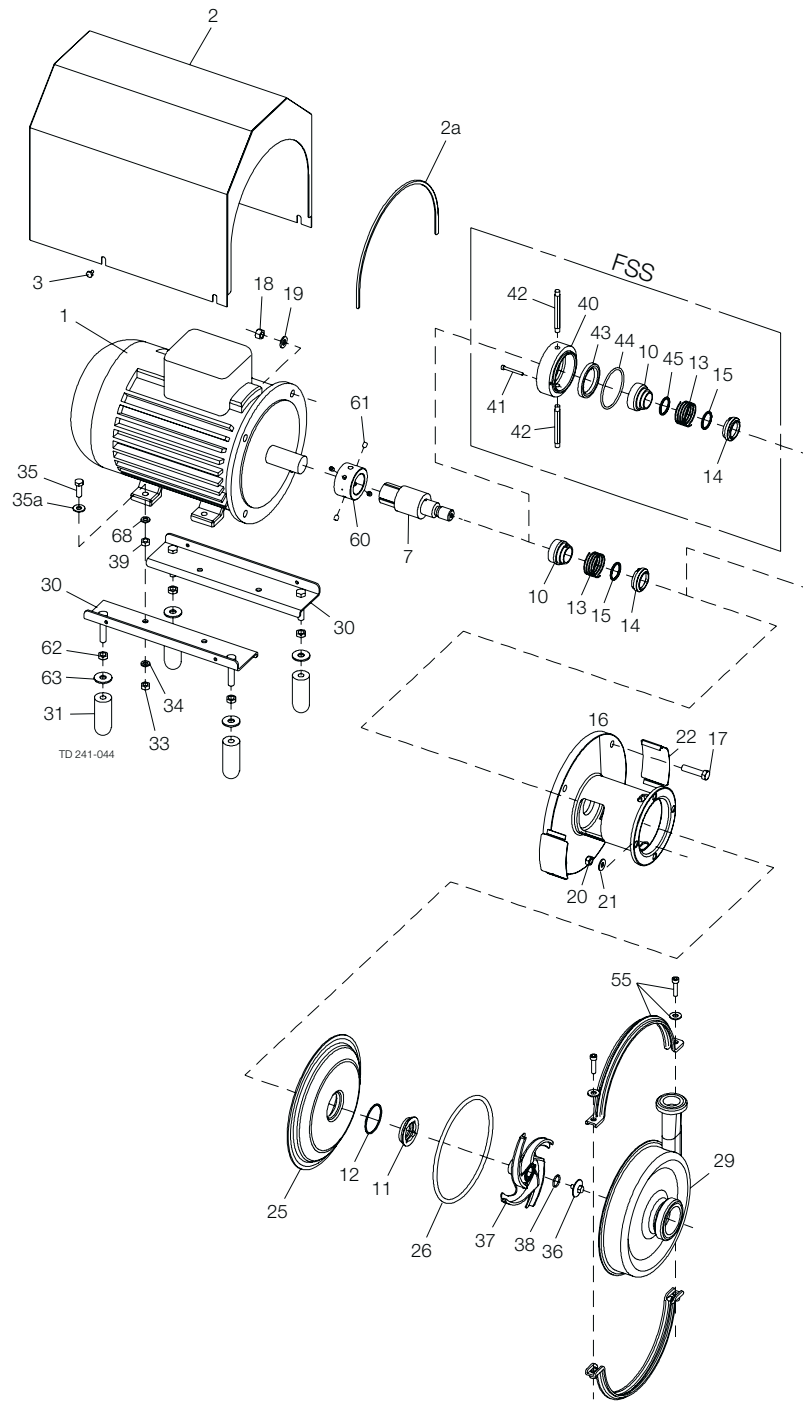
3/60/208/230-460 - Standard





Pos	Qty	Denomination	SolidC 1 - 4
<b>Accessories</b>			
1	1	Tool for seal	9612903601
	1	Impeller gauge	9612912801
<b>Parts for flushed shaft seal</b>			
40	1	Seal housing	9612133901
41	2	Screw for seal housing	9611990203
42	2	Tube	9612358914
<b>Drive ring</b>			
10	1	Drive ring, Single shaft seal	9614206001
	1	Drive ring, Flushed shaft seal	9612926801

Pos	Qty	Denomination	SolidC 1-4 EPDM	SolidC 1-4 NBR	SolidC 1-4 FPM	SolidC 1-4 FEP
<b>Single shaft seal (standard)</b>						
□		Complete shaft seal, C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, Carbon				
15	1	O-ring, EPDM				
<b>Alternatives for single shaft seal</b>						
○		Complete shaft seal, SiC/SiC	9612129605	9612129606	9612129607	9612129608
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring, EPDM				
<b>Flushed shaft seal (standard)</b>						
♦		Complete shaft seal, C/SiC	9612919301	9612919302	9612919303	9612919304
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, Carbon				
15	1	O-ring, EPDM				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
★		Complete shaft seal, SiC/SiC	9612919305	9612919306	9612919307	9612919308
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring, EPDM				
43	1	Lip seal				
44	1	O-ring for seal housing, EPDM				
45	1	O-ring for drive ring				

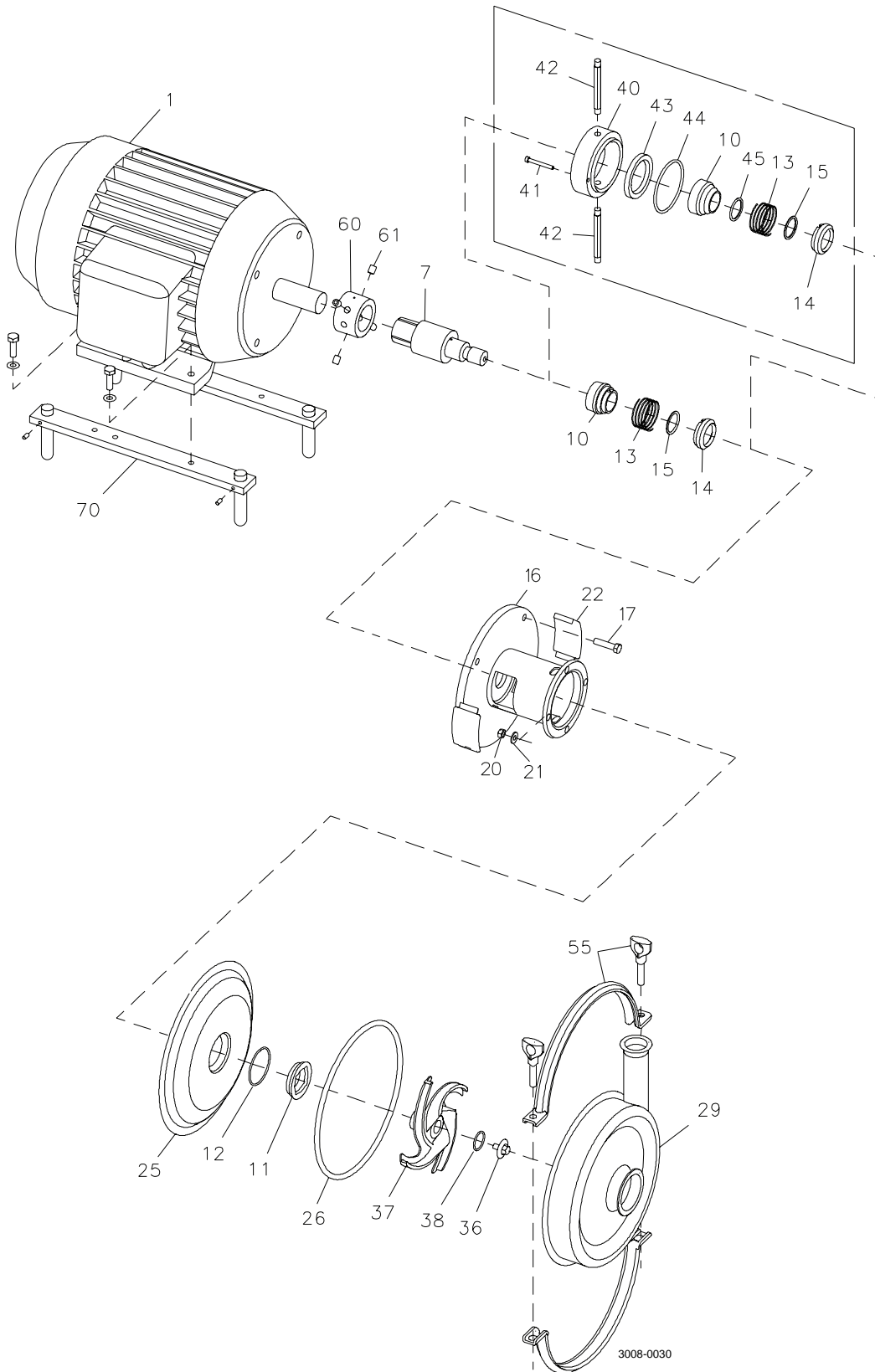


		EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal C/SiC</b>					
□	Service kit, C/SiC (SolidC-1) . . . . .	9611922454	9611922455	9611922456	9611922457
□	Service kit, C/SiC (SolidC-2) . . . . .	9611922471	9611922472	9611922473	9611922474
□	Service kit, C/SiC (SolidC-3) . . . . .	9611922487	9611922488	9611922489	9611922490
□	Service kit, C/SiC (SolidC-4) . . . . .	9611922503	9611922504	9611922505	9611922506
<b>Service kit for single shaft seal SiC/SiC</b>					
○	Service kit, SiC/SiC (SolidC-1) . . . . .	9611922811	9611922812	9611922813	9611922814
○	Service kit, SiC/SiC (SolidC-2) . . . . .	9611922819	9611922820	9611922821	9611922822
○	Service kit, SiC/SiC (SolidC-3) . . . . .	9611922827	9611922828	9611922829	9611922830
○	Service kit, SiC/SiC (SolidC-4) . . . . .	9611922835	9611922836	9611922837	9611922838
<b>Service kit for flushed shaft seal C/SiC</b>					
◆	Service kit, C/SiC (SolidC-1) . . . . .	9611922462	9611922463	9611922464	9611922465
◆	Service kit, C/SiC (SolidC-2) . . . . .	9611922479	9611922480	9611922481	9611922482
◆	Service kit, C/SiC (SolidC-3) . . . . .	9611922495	9611922496	9611922497	9611922498
◆	Service kit, C/SiC (SolidC-4) . . . . .	9611922511	9611922512	9611922513	9611922514
<b>Service kit for flushed shaft seal SiC/SiC</b>					
*	Service kit, SiC/SiC (SolidC-1) . . . . .	9611922815	9611922816	9611922817	9611922818
*	Service kit, SiC/SiC (SolidC-2) . . . . .	9611922823	9611922824	9611922825	9611922826
*	Service kit, SiC/SiC (SolidC-3) . . . . .	9611922831	9611922832	9611922833	9611922834
*	Service kit, SiC/SiC (SolidC-4) . . . . .	9611922839	9611922840	9611922841	9611922842

Parts marked with □◆○★❖◇◆■ are included in the service kits.

Recommended spare parts: Service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 10 + 40 + 41 + 42  
(900624/6)



Pos	Qty	Denomination	Solid C1 - 4 1.5 -30Hp
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**Accessories**

1	1	Tool for seal	9612903601
	1	Impeller gauge	9613601680

**Parts for flushed shaft seal**

40	1	Seal housing (Period -12. 2014)	9612133901
	1	Seal housing (period 12. 2014-)	9612133903
41	2	Screw for seal housing	9611990203
42	2	Tube (period -12.2014)	9612358915
	2	Tube (period 12.2014-)	9612358920

**Drive ring**

10	1	Drive ring, Single shaft seal	9614206001
	1	Drive ring, Flushed shaft seal	9612926801

Pos	Qty	Denomination	Solid C1-4 EPDM	Solid C1-4 NBR	Solid C1-4 FPM	Solid C1-4 FEP
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**Single shaft seal (standard)**

□✦		Complete shaft seal C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, Carbon				
15	1	O-ring, EPDM				

**Alternatives for single shaft seal**

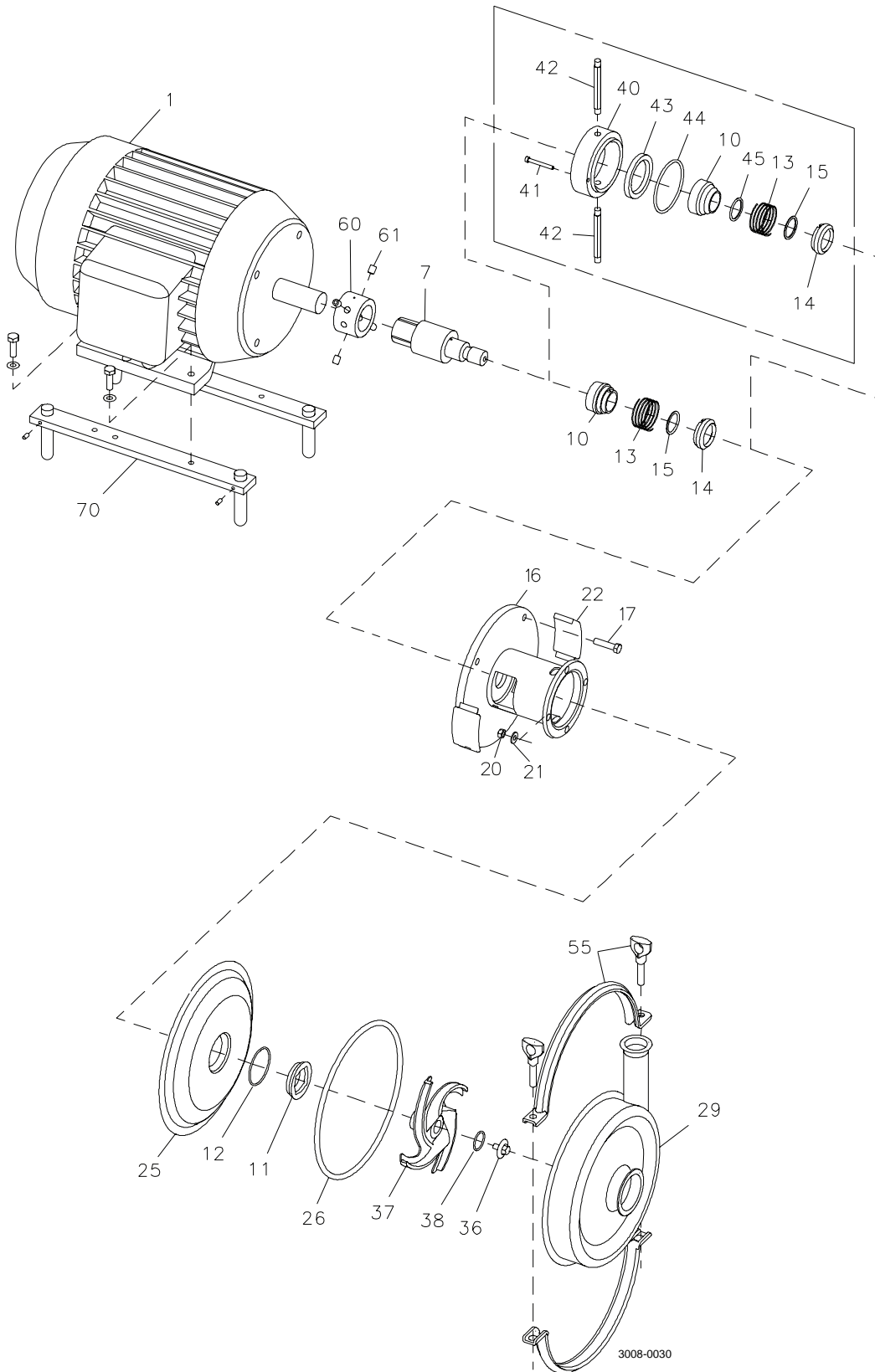
◆✦		Complete shaft seal, SiC/SiC	9612129605	9612129606	9612129607	9612129608
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring, EPDM				

**Flushed shaft seal (standard)**

○■		Complete shaft seal, C/SiC	9612919301	9612919302	9612919303	9612919304
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, Carbon				
15	1	O-ring, EPDM				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				

**Alternatives for flushed shaft seal**

★⊕		Complete shaft seal, SiC/SiC	9612919305	9612919306	9612919307	9612919308
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring, EPDM				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				

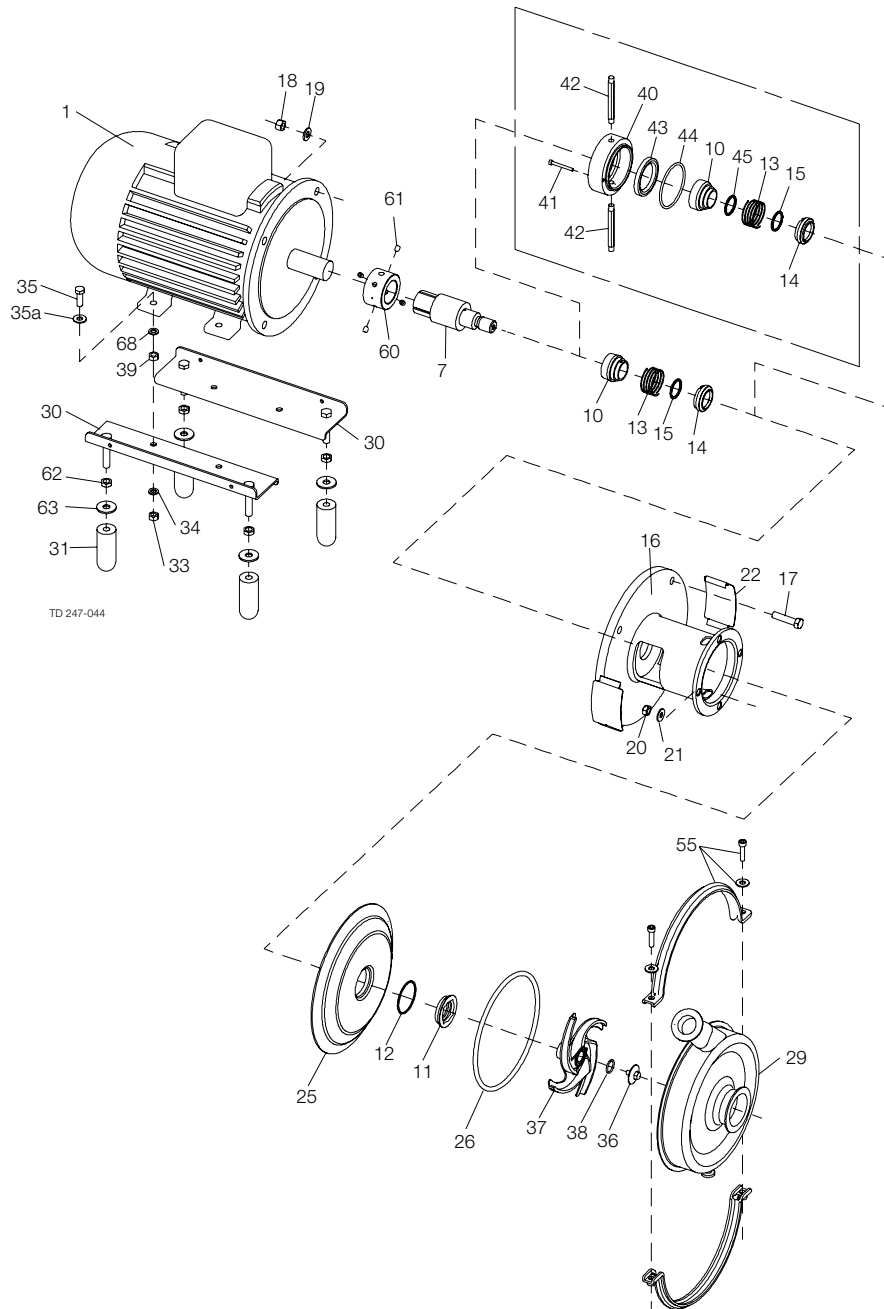


		EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal C/SiC</b>					
□	Service kit, C/SiC (SolidC-1) . . . . .	9611922454	9611922455	9611922456	9611922457
□	Service kit, C/SiC (SolidC-2) . . . . .	9611922471	9611922472	9611922473	9611922474
□	Service kit, C/SiC (SolidC-3) . . . . .	9611922487	9611922488	9611922489	9611922490
□	Service kit, C/SiC (SolidC-4) . . . . .	9611922503	9611922504	9611922505	9611922506
<b>Service kit for single shaft seal SiC/SiC</b>					
○	Service kit, SiC/SiC (Solid C1) . . . . .	9611922811	9611922812	9611922813	9611922814
○	Service kit, SiC/SiC (Solid C2) . . . . .	9611922819	9611922820	9611922821	9611922822
○	Service kit, SiC/SiC (Solid C3) . . . . .	9611922827	9611922828	9611922829	9611922830
○	Service kit, SiC/SiC (Solid C4) . . . . .	9611922835	9611922836	9611922837	9611922838
<b>Service kit for flushed shaft seal C/SiC</b>					
◆	Service kit, C/SiC (Solid C1) . . . . .	9611922462	9611922463	9611922464	9611922465
◆	Service kit, C/SiC (Solid C2) . . . . .	9611922479	9611922480	9611922481	9611922482
◆	Service kit, C/SiC (Solid C3) . . . . .	9611922495	9611922496	9611922497	9611922498
◆	Service kit, C/SiC (Solid C4) . . . . .	9611922511	9611922512	9611922513	9611922514
<b>Service kit for flushed shaft seal SiC/SiC</b>					
*	Service kit, SiC/SiC (Solid C1) . . . . .	9611922815	9611922816	9611922817	9611922818
*	Service kit, SiC/SiC (Solid C2) . . . . .	9611922823	9611922824	9611922825	9611922826
*	Service kit, SiC/SiC (Solid C3) . . . . .	9611922831	9611922832	9611922833	9611922834
*	Service kit, SiC/SiC (Solid C4) . . . . .	9611922839	9611922840	9611922841	9611922842

Parts marked with □◆○★❖◆■⊕ are included in the service kits.

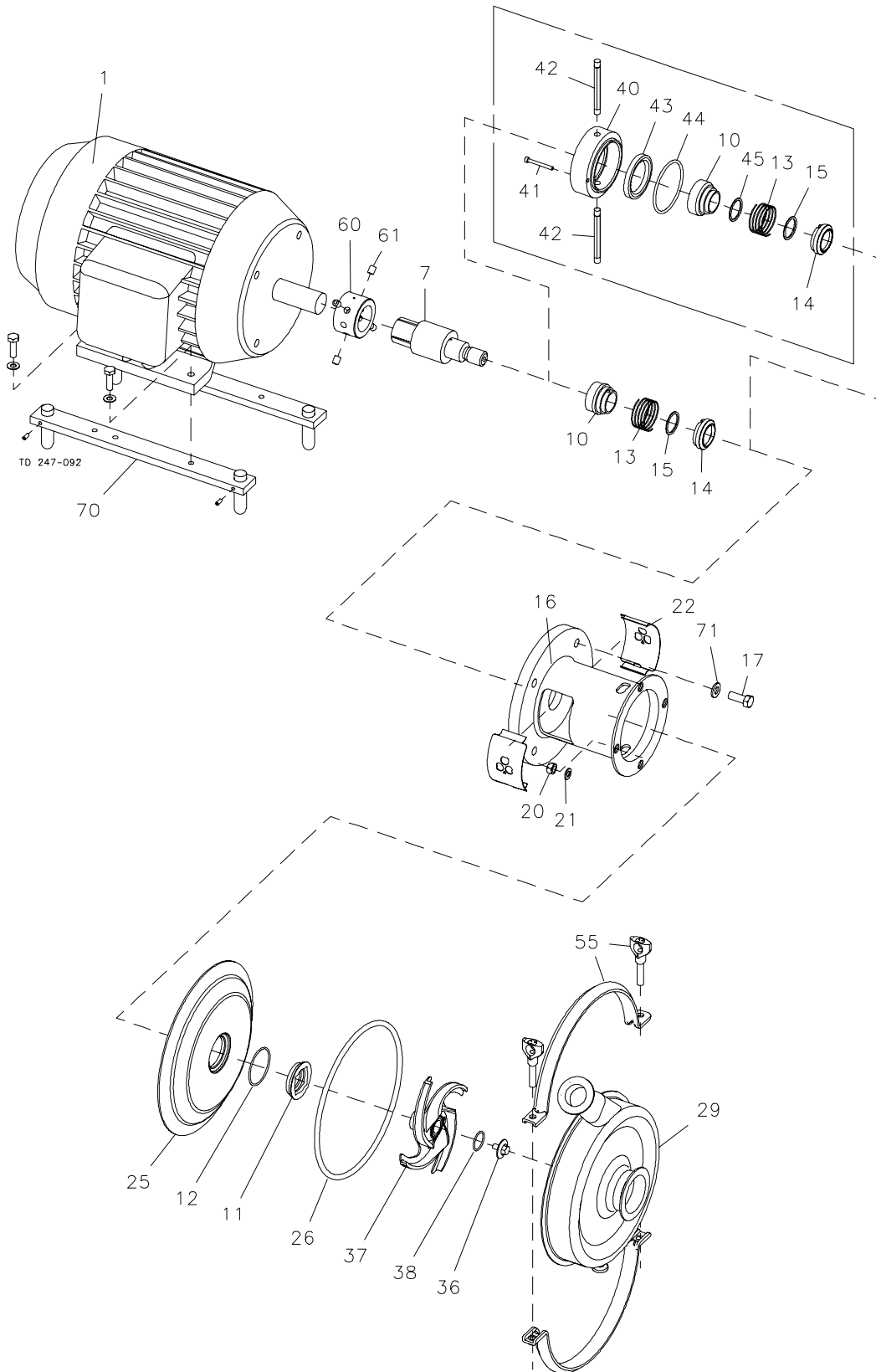
Recommended spare parts: Service kits.

Conversion single to flushed shaft seal : Please order Flushed service kit + pos. 10 + 40 + 41 + 42 (900625/4)

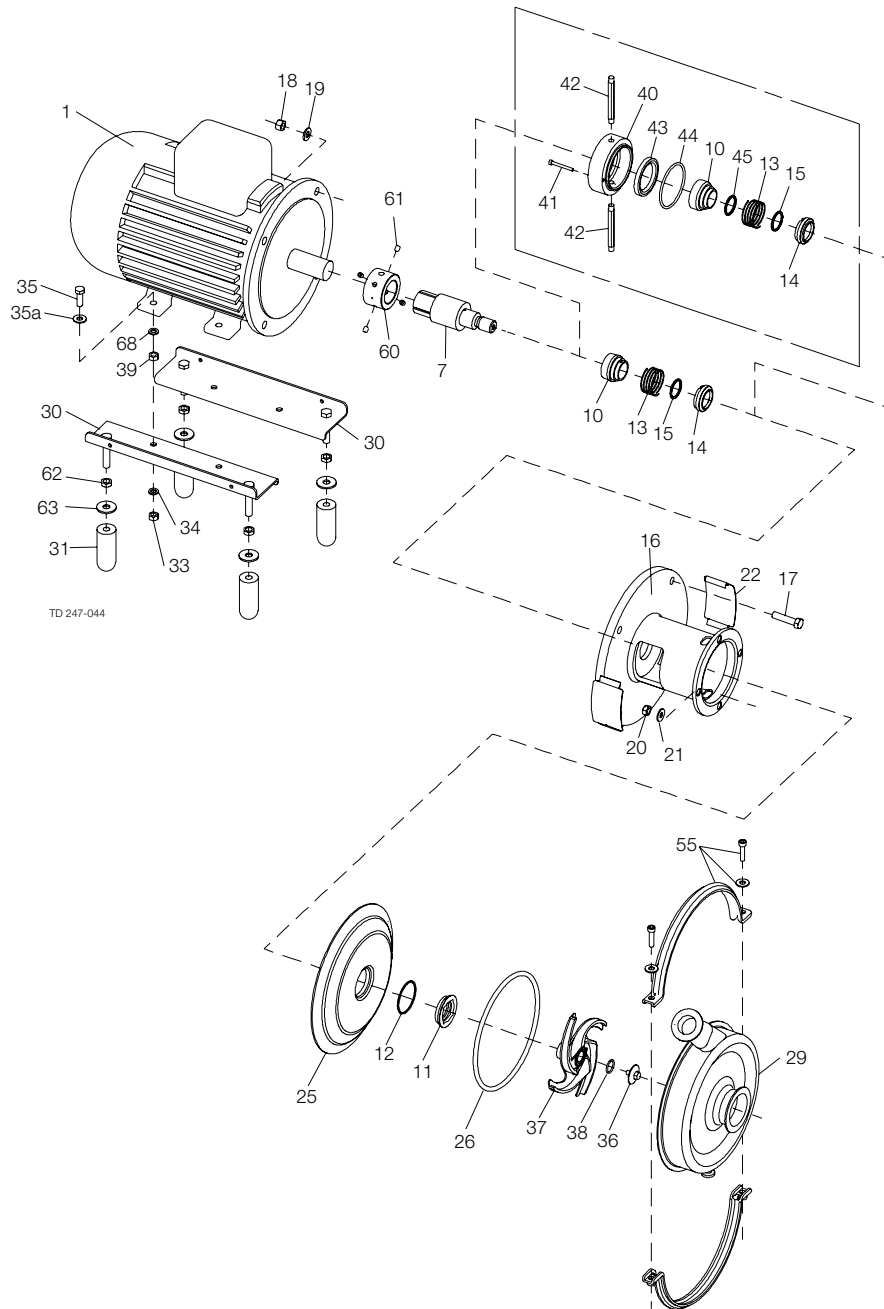




Pos	Qty	Denomination	SolidC-1 UP IEC90- IEC112	SolidC-2 UP IEC100- IEC160	SolidC-3 UP IEC132- IEC160	SolidC-4 UP IEC132- IEC160
<b>Casing Mech Ra ≤ 0.5</b>						
29	1	Casing, Tri-clamp 45 deg with 1/2" drain	9613465125	9613465126	9613465127	9613465128
<b>Casing Mech Ra ≤ 0.8</b>						
	1	Casing, Tri-clamp 45 deg with 1/2" drain	9613465133	9613465134	9613465135	9613465136
<b>Casing EP Ra ≤ 0.4</b>						
	1	Casing, Tri-clamp 45 deg with 1/2" drain	9613465141	9613465142	9613465143	9613465144
Note: For article numbers on casing specifications not listed above. Please contact your local Alfa Laval partner.						
Note: Heat certificates can be downloaded from <a href="http://www.alfalaval.com/certificates">www.alfalaval.com/certificates</a>						
26	◆■	1 O-ring for casing, EPDM				
		1 O-ring for casing, FPM				
		1 O-ring for casing, FEP				
55		1 Clamp set	9612915401	9612915402	9612915403	9612915404
37		1 Impeller, Mech Ra ≤ 0.5	9612911509	9612911809	9612912109	9612912409
		1 Impeller, Mech Ra ≤ 0.8	9612911508	9612911808	9612912108	9612912408
		1 Impeller, EP Ra ≤ 0.4	9612911510	9612911810	9612912110	9612912410
36		1 Impeller screw, Mech Ra ≤ 0.5	9612362709	9612362709	9612362709	9612362709
		1 Impeller screw, Mech Ra ≤ 0.8	9612362708	9612362708	9612362708	9612362708
		1 Impeller screw, EP Ra ≤ 0.4	9612362710	9612362710	9612362710	9612362710
38	◆■	1 O-ring for impeller screw, EPDM				
		1 O-ring for impeller screw, FPM				
		1 O-ring for impeller screw, FEP				
25		1 Backplate compl., Mech Ra ≤ 0.5	9612911413	9612911414	9612911415	9612911416
		1 Backplate compl., Mech Ra ≤ 0.8	9612911417	9612911418	9612911419	9612911420
		1 Backplate compl., EP Ra ≤ 0.4	9612911421	9612911422	9612911423	9612911424
20		4 Nut, for backplate	9611990353	9611990353	9611990353	9611990353
21		4 Washer, for backplate	9611990786	9611990786	9611990786	9611990786



Pos	Qty	Denomination	SolidC-1 UP 1.5-10 Hp	SolidC-2 UP 3-20 Hp	SolidC-3 UP 5-30 Hp	SolidC-4 UP 10-30 Hp
<b>Pump casing Ra ≤ 0.5 µm</b>						
29	1	Pump casing, Tri-clamp 45 deg with drain	9613465125	9613465126	9613465127	9613465128
	1	Pump casing, Tri-clamp 0 deg with drain	9613455129	9613455130	9613455131	9613455132
	1	Pump casing, Tri-clamp without drain	9613466313	9613466314	9613466315	9613466316
<b>Pump casing Ra 0.8 ≤ 0.8 µm</b>						
29	1	Cump casing, Tri-clamp 45 deg with drain	9613465133	9613465134	9613465135	9613465136
	1	Pump casing, Tri-clamp 0 deg. with drain	9613455137	9613455138	9613455139	9613455140
	1	Pump casing, Tri-clamp without drain	9613466317	9613466318	9613466319	9613466320
<b>Pump casing Ra ≤ 0.4 µm</b>						
29	1	Pump casing, Tri-clamp 45 deg with drain	9613465141	9613465142	9613465143	9613465144
	1	Pump casing, Tri-clamp 0 deg with drain	9613455145	9613455146	9613455147	9613455148
	1	Pump casing, Tri-clamp without drain	9613466321	9613466322	9613466323	9613466324
26	▲■	1 O-ring for casing, EPDM (standard)	9611994900	9611994901	9611994902	9611994903
		1 O-ring for casing, FPM	9611994243	9611994247	9611994251	9611994255
		1 O-ring for casing, FEP	9611994244	9611994248	9611994252	9611994256
55		1 Clamp set	9612915405	9612915406	9612915407	9612915408
37		1 Impeller Ra ≤ 0.5 µm	9612911509	9612911809	9612912109	9612912409
		1 Impeller Ra ≤ 0.8 µm	9612911508	9612911808	9612912108	9612912408
		1 Impeller Ra ≤ 0.4 µm	9612911510	9612911810	9612912110	9612912410
36		1 Impeller Screw Ra ≤ 0.5 µm	9612362709	9612362709	9612362709	9612362709
		1 Impeller Screw Ra ≤ 0.8 µm	9612362708	9612362708	9612362708	9612362708
		1 Impeller Screw Ra ≤ 0.4 µm	9612362710	9612362710	9612362710	9612362710
38	▲■	1 O-ring for impeller screw, EPDM (standard)	9611994904	9611994904	9611994904	9611994904
		1 O-ring for impeller screw, FPM	9611992752	9611992752	9611992752	9611992752
		1 O-ring for impeller screw, FEP	9611993539	9611993539	9611993539	9611993539
25		1 Backplate Ra ≤ 0.5 µm	9612911413	9612911406	9612911415	9612911416
		1 Backplate Ra ≤ 0.8 µm	9612911417	9612911418	9612911419	9612911420
		1 Backplate Ra ≤ 0.4 µm	9612911421	9612911422	9612911423	9612911424
20		4 Nut for backplate	9611990353	9611990353	9611990353	9611990353
21		4 Washer for backplate	9611990786	9611990786	9611990786	9611990786



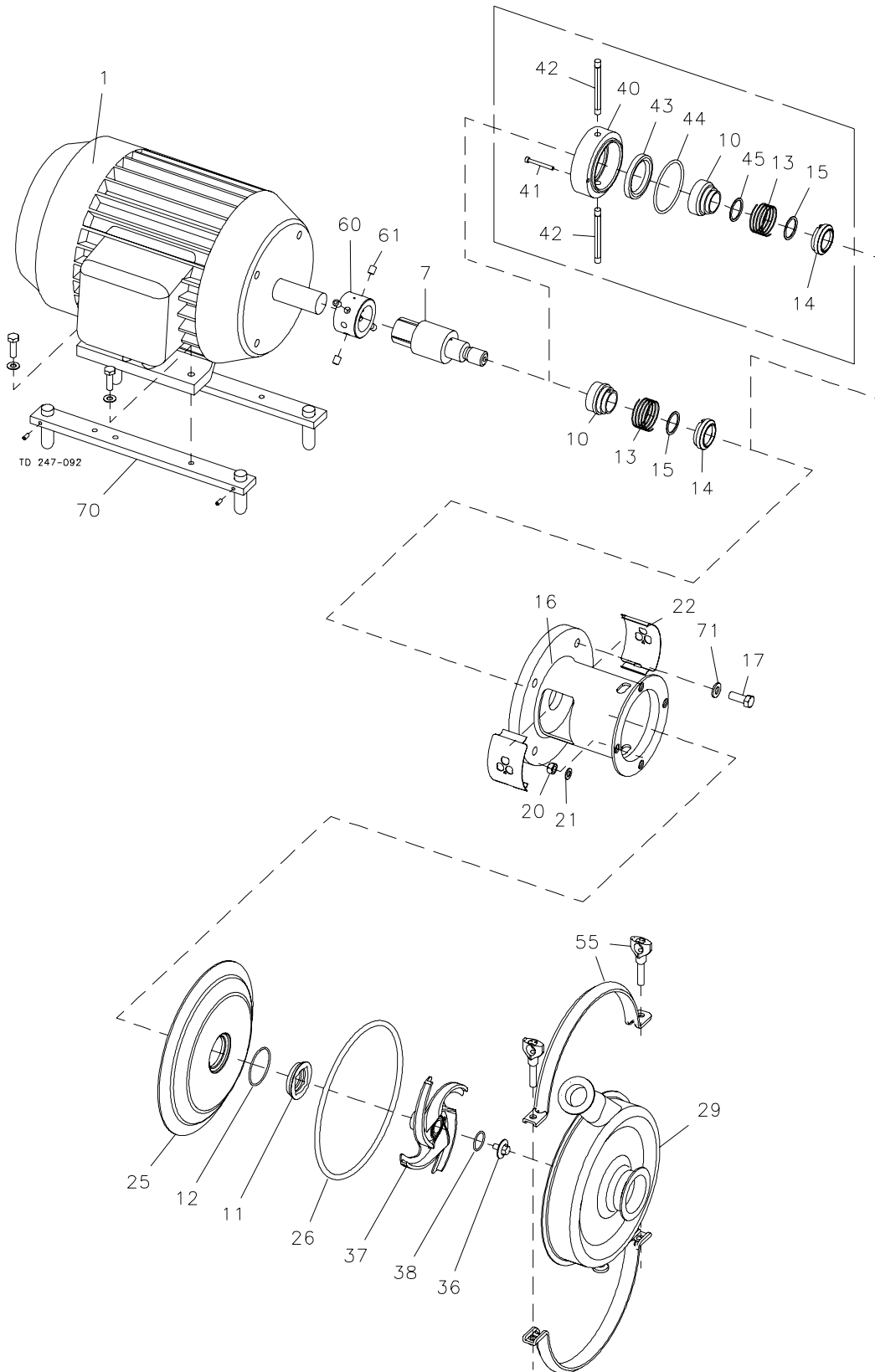
Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160	IEC160
7	1	Shaft	9612913201	9612913301	9612913301	9612913401	9612913501	9612913501
16	1	Adaptor	9613459301	9613459302	9613459302	9613459303	9613459304	9613459304
17	4	Screw, for motorflange	9611991374	9611992162	9611992162	9611992162	9611992164	9611992164
18	4	Nut, for motorflange	9611990353	9611990587	9611990587	9611990587	9611992160	9611992160
19	4	Washer, for motorflange	9611991887	9611990676	9611990676	9611990676	9611991886	9611991886
22	2	Safety guard	9612916801	9612916801	9612916801	9612916801	9612916801	9612916801
60	1	Comp. ring	9612914201	9612914202	9612914202	9612914203	9612914401	9612914401
61	4	Screw, for comp. ring	9611994258	9611994258	9611994258	9611994259	9611994259	9611994259
35	4	Screw, for legs	9611993241	9611991911	9611991911	9611991911	9611992162	9611992162
35a	4	Washer, for legs		9611990786	9611990786	9611990786	9611990706	9611990706
34	4	Spring washer, for legs	9611991888	9611991887	9611991887	9611991887	9611990676	9611990676
33	4	Nut, for legs	9611990360	9611990353	9611990353	9611990353	9611990587	9611990587
30	2	Bracket	9612917401	9612917402	9612917403	9612917404	9612917405	9612917406
31	4	Legs	3146012481	3146012481	3146012481	3146012481	3146012481	3146012481
62	4	Nut, for legs	9611991829	9611991829	9611991829	9611991829	9611991829	9611991829
63	4	Washer, for legs	3146001041	3146001041	3146001041	3146001041	3146001041	3146001041
39	4	Spacer, for leg		9615309301				
68	4	Washer, for legs		3146001041				

Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160	IEC160
2	1	Shroud	9612919101	9612919105	9612919102	9612919103	9612919104	9612919104
2a	1	Edge list for shroud, (included in pos. "shroud")						
3	4	Screw for shroud	9611993240	9611993240	9611993240	9611993240	9611993240	9611993240

Pos	Qty	Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW
			IEC90	IEC90	IEC100	IEC112	IEC132
1	1	Motor WEG, 3000rpm	9614303101	9614303102	9614303103	9614303104	9614303105

Pos	Qty	Denomination	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
			IEC132	IEC160	IEC160	IEC160	IEC160
1	1	Motor WEG, 3000rpm	9614303106	9614303107	9614303108	9614303109	9614303110

3 ~, 50 Hz, 220-240VD/380-415VY - Standard ≤ 22 kW  
 3 ~, 60 Hz, 460VY - Standard ≤ 22 kW



Pos	Qty	Denomination	1.5-2.2 Hp	3-5 Hp	7.5-10 Hp	15-20 Hp	25-30 Hp
7	1	Shaft	9612913701	9612913801	9612913901	9612914001	9612914001
16	1	Adaptor	9613459305	9613459306	9613459307	9613459308	9613459309
17	4	Screw for motorflange	9611994411	9611994412	9611994413	9611994414	9611994414
71	4	Spring washer for motorflange	9611994416	9611994417	9611994417	9611994417	9611994417
22	2	Safety guard	9612915301	9612915301	9612915301	9612915301	9612915301
60	1	Comp. ring	9612914204	9612914202	9612914205	9612914401	9612914401
61	4	Screw for comp. ring	9611994258	9611994258	9611994259	9611994259	9611994259
64	1	Motor flange	9612916014	9612916015	9612916016		
70	1	Bracket set stainless steel (standard)	481656	481661	481663	481665	481669
	1	Bracket set carbon steel	481655	481658	481662	481664	481668

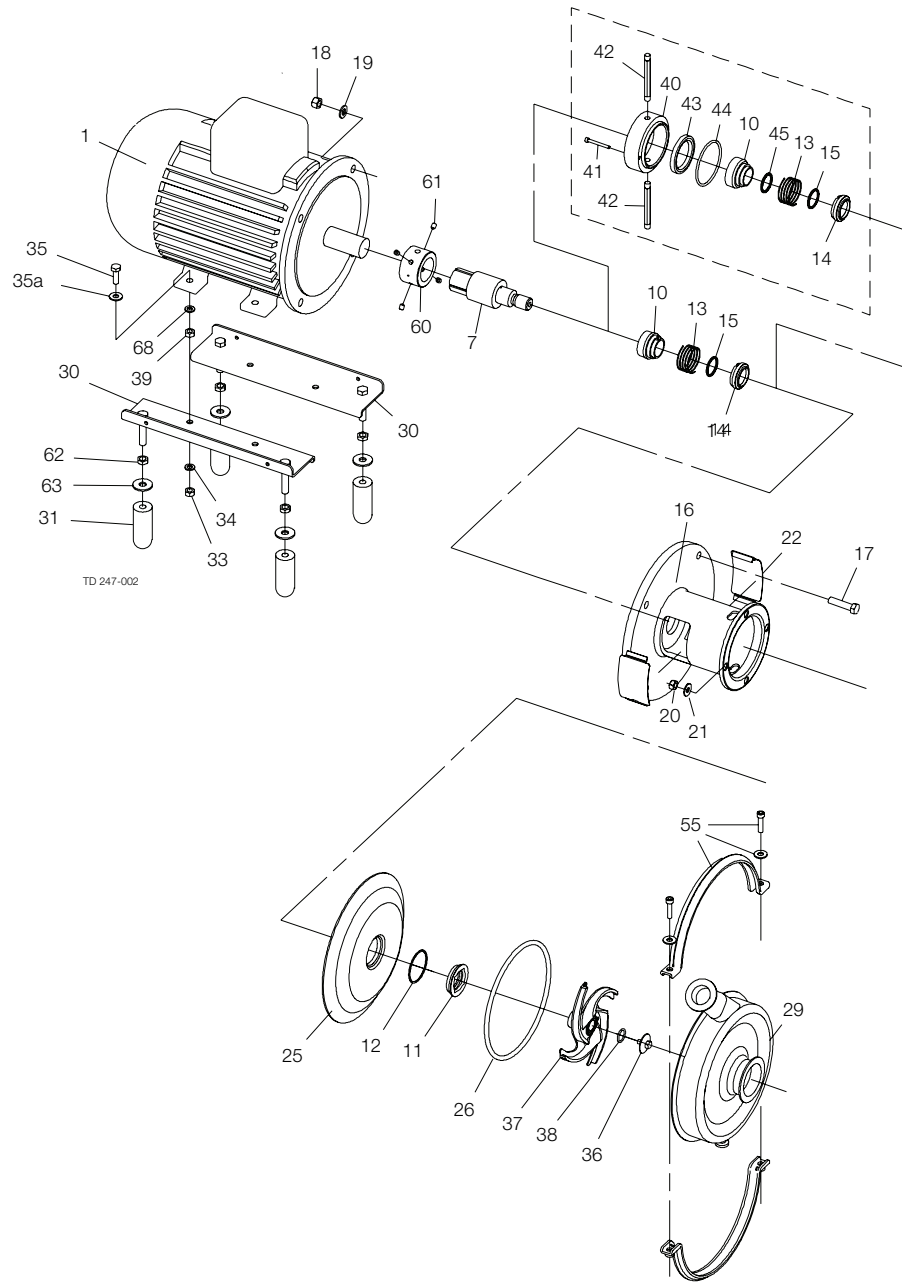
Pos	Qty	Denomination	1.5 Hp	2 Hp	3 Hp	5 Hp	7.5 Hp
1	1	Motor 3600 rpm	9613601623	9613601624	9613601625	9613601626	9613601627

Pos	Qty	Denomination	10 Hp	15 Hp	20 Hp	25 Hp	30 Hp
1	1	Motor 3600 rpm	9613601628	9613601629	9613601630	9613601631	9613601632

Pos	Qty	Denomination	1 Hp	1.5 Hp	2 Hp	3 Hp	5 Hp
1	1	Motor 1800 rpm	9613601687	9613601688	9613601689	9613601690	9613601691

Pos	Qty	Denomination	7.5 Hp	10 Hp
1	1	Motor 1800 rpm	9613601692	9613601693

3/60/208/230-460 - Standard





Pos	Qty	Denomination			
<b>Accessories</b>					
1	1	Tool for seal	9612903601		
	1	Impeller gauge	9612912801		
<b>Parts for flushed shaft seal</b>					
40	1	Seal housing	9612133901		
42	2	Tube	9612358914		
41	2	Screw for seal housing	9611990203		
<b>Drive ring</b>					
10	1	Drive ring, Single shaft seal	9614206001		
	1	Drive ring, Flushed shaft seal	9612926801		

Pos	Qty	Denomination	EPDM	FPM	FEP
<b>Single shaft seal</b>					
		■ Complete shaft seal, (standard)			
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	1	Rotating seal ring, SiC			
15	1	O-ring			
<b>Flushed shaft seal</b>					
		◆ Complete shaft seal			
11	1	Stationary seal ring, SiC			
12	1	O-ring			
13	1	Spring			
14	1	Rotating seal ring, SiC			
15	1	O-ring			
44	1	O-ring for seal housing, EPDM			
45	1	O-ring for drive ring			
43	1	Lip seal			

Alfa Laval Q-doc service-kit

	EPDM	FPM	FEP
<b>Service kit for single shaft seal SiC/SiC</b>			
Service kit, SiC/SiC (Solid C-1 UP)	9611927001	9611927002	9611927003
Service kit, SiC/SiC (Solid C-2 UP)	9611927007	9611927008	9611927009
Service kit, SiC/SiC (Solid C-3 UP)	9611927013	9611927014	9611927015
Service kit, SiC/SiC (Solid C-4 UP)	9611927019	9611927020	9611927021
	EPDM	FPM	FEP

<b>Service kit for flushed shaft seal SiC/SiC</b>			
Service kit, SiC/SiC (Solid C-1 UP)	9611927004	9611927005	9611927006
Service kit, SiC/SiC (Solid C-2 UP)	9611927010	9611927011	9611927012
Service kit, SiC/SiC (Solid C-3 UP)	9611927016	9611927017	9611927018
Service kit, SiC/SiC (Solid C-4 UP)	9611927022	9611927023	9611927024

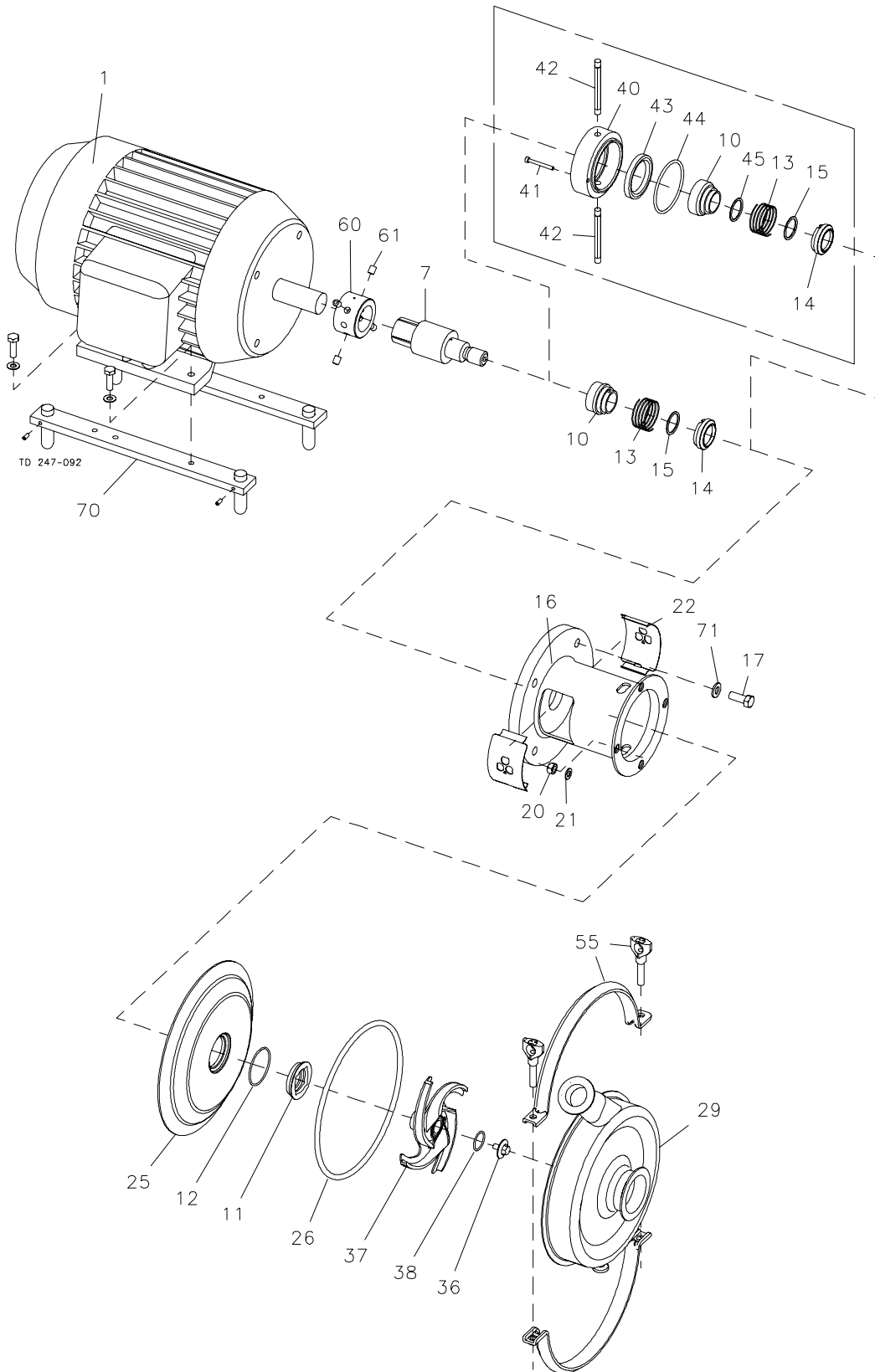
Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity.

Parts marked with ◆■ are included in the service kits.

Recommended spare parts: service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 10 + 40 + 41 + 42

(900626/8)



Pos	Qty	Denomination	1.5-30 Hp		
<b>Accessories</b>					
1	1	Tool for seal	9612903601		
	1	Impeller gauge	9613601680		
<b>Parts for flushed shaft seal</b>					
40	1	Seal housing	9612133901		
42	2	Tube	9612358915		
41	2	Screw for seal housing	9611990203		
<b>Drive ring</b>					
10	1	Drive ring, Single shaft seal	9614206001		
	1	Drive ring, Flushed shaft seal	9612926801		

Pos	Qty	Denomination	EPDM	FPM	FEP
<b>Single shaft seal with heat marking</b>					
■		Complete shaft seal (standard)			
11	1	Stationary seal ring, SiC			
12	1	O-ring, EPDM			
13	1	Spring			
14	1	Rotating seal ring, SiC			
15	1	O-ring, EPDM			
<b>Flushed shaft seal with heat marking</b>					
▲		Complete shaft seal			
11	1	Stationary seal ring, SiC			
12	1	O-ring, EPDM			
13	1	Spring			
14	1	Rotating seal ring, SiC			
15	1	O-ring, EPDM			
44	1	O-ring for seal housing, EPDM			
45	1	O-ring for drive ring			
43	1	Lip seal			
			EPDM	FPM	FEP

<b>Service kit for single shaft seal SiC/SiC</b>					
■		Service kit, SiC/SiC (Solid C-1 UP US)	9611927001	9611927002	9611927003
		Service kit, SiC/SiC (Solid C-2 UP US)	9611927007	9611927008	9611927009
		Service kit, SiC/SiC (Solid C-3 UP US)	9611927013	9611927014	9611927015
		Service kit, SiC/SiC (Solid C-4 UP US)	9611927019	9611927020	9611927021
			EPDM	FPM	FEP

<b>Service kit for flushed shaft seal SiC/SiC</b>					
▲		Service kit, SiC/SiC (Solid C-1 UP US)	9611927004	9611927005	9611927006
		Service kit, SiC/SiC (Solid C-2 UP US)	9611927010	9611927011	9611927012
		Service kit, SiC/SiC (Solid C-3 UP US)	9611927016	9611927017	9611927018
		Service kit, SiC/SiC (Solid C-4 UP US)	9611927022	9611927023	9611927024

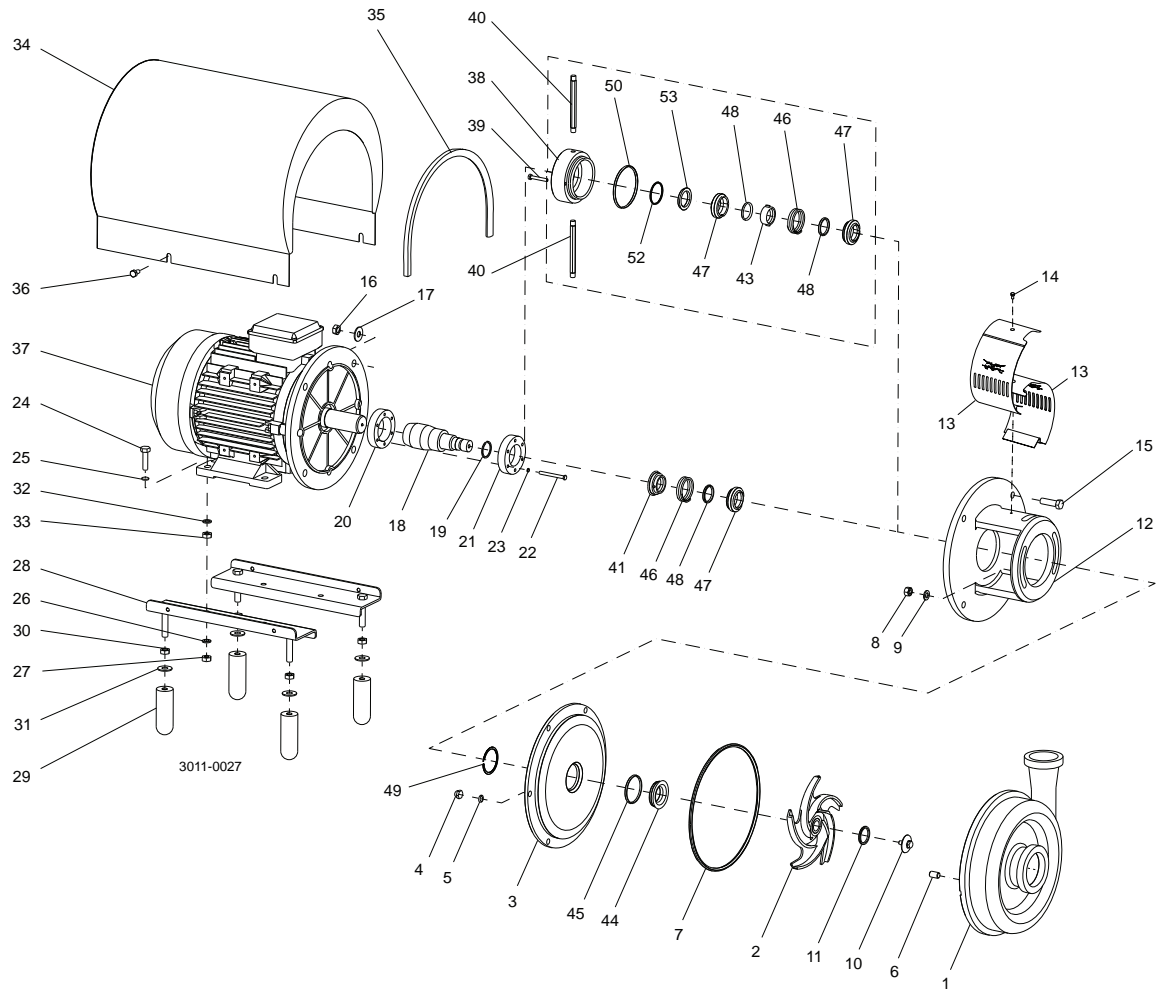
Parts marked with ▲■ are included in the service kits.

Recommended spare parts: Service kits.

Conversion single to flushed shaft seal : Please order Flushed service kit + pos. 10 + 40 + 41 + 42

(900627/4)

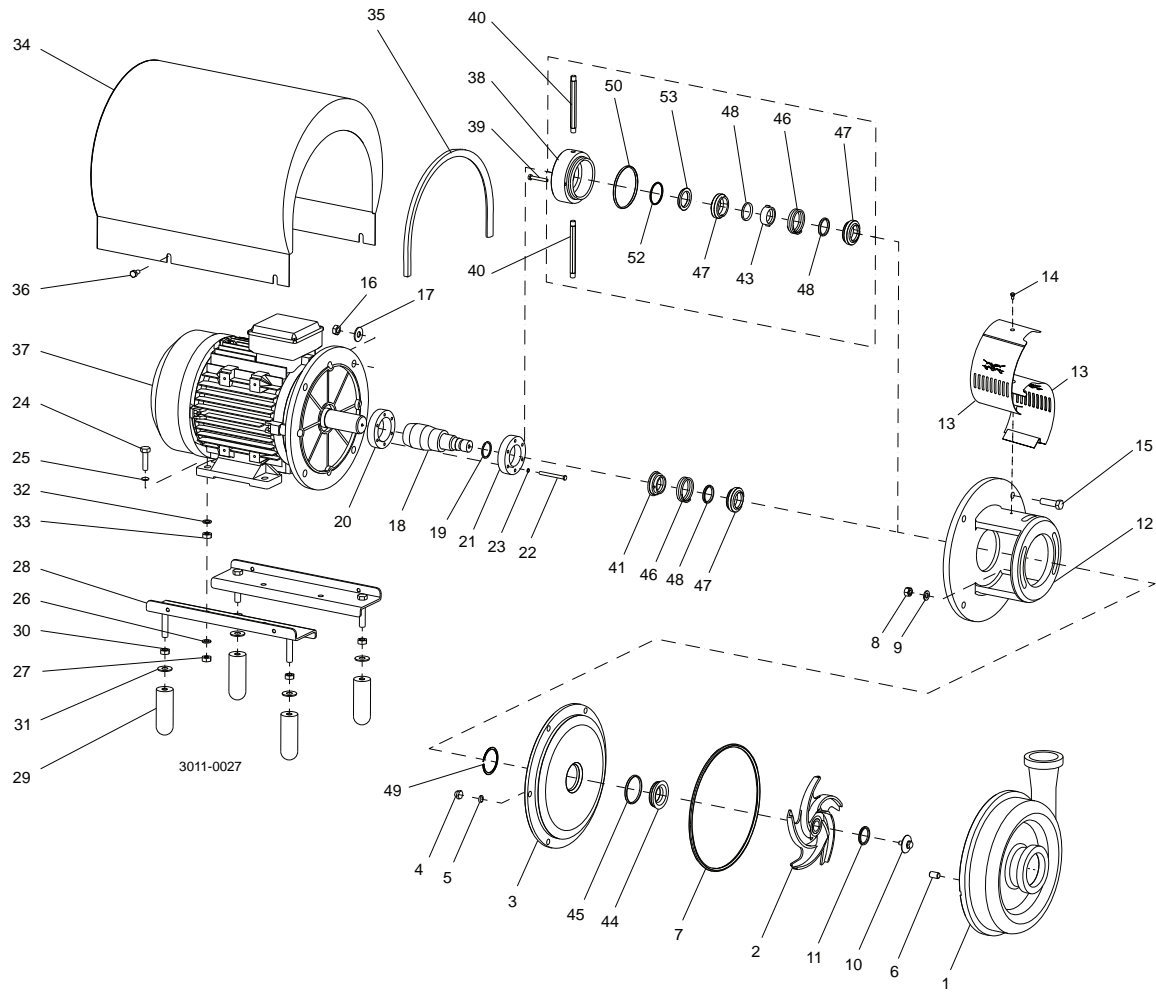
DMSS = Double Mechanical Shaft Seal



Wet end

Pos	Qty	Denomination	i-CP2010 1.5-4kW	i-CP2020 1.5-7.5kW	i-CP2025 4-15kW	i-CP2035 4-15kW	i-CP2040 7.5-22kW	i-CP2050 5.5-22kW
<b>Shot blasted Ra ≤1.6 µm</b>								
1	1	Pump casing connection . . .						
	1	SMS . . . . .	9613477601	9613477605	9613477609	9613477613	9613477617	9613477621
	1	Clamp ISO 2037 . . . . .	9613477602	9613477606	9613477610	9613477614	9613477618	9613477622
	1	DIN . . . . .	9613477603	9613477607	9613477611	9613477615	9613477619	9613477623
	1	Union ISO (IDF) . . . . .	9613477604	9613477608	9613477612	9613477616	9613477620	9613477624
<b>Shot blasted Ra ≤ 1.6 µm 45 outlet 1/2" drain</b>								
	1	Pump casing connection . . .						
	1	SMS . . . . .	9613480801	9613480805	9613480809	9613480813	9613480817	9613480821
	1	Clamp ISO 2037 . . . . .	9613480802	9613480806	9613480810	9613480814	9613480818	9613480822
	1	DIN . . . . .	9613480803	9613480807	9613480811	9613480815	9613480819	9613480823
	1	Union ISO (IDF) . . . . .	9613480804	9613480808	9613480812	9613480816	9613480820	9613480824
<b>Shot blasted Ra ≤ 1.6 µm</b>								
2	1	Impeller shot blasted Ra £ 1.6 mm . . . . .	9612131202	9612131402	9612425202	9612434102	8010023075	9612132002
	1	Impeller polished Ra £ 0.8 mm . . . . .	9612131206	9612131406	9612425206	9612434106	8010023076	9612132006
3	1	Backplate . . . . .	9613479601	9613479602	9613479603	9613479603	9613479604	9613479604
10	1	Impeller screw . . . . .	9612139601	9612139601	9612139601	9612139601	9612139601	9612139601
<b>Polished Ra ≤ 0.8 µm</b>								
1	1	Pump casing connection . . .						
	1	SMS . . . . .	9613477625	9613477629	9613477633	9613477637	9613477641	9613477645
	1	Clamp ISO 2037 . . . . .	9613477626	9613477630	9613477634	9613477638	9613477642	9613477646
	1	DIN . . . . .	9613477627	9613477631	9613477635	9613477639	9613477643	9613477647
	1	Union ISO (IDF) . . . . .	9613477628	9613477632	9613477636	9613477640	9613477644	9613477648
<b>Polished Ra ≤ 0.8 µm 45 outlet 1/2" drain</b>								
	1	Pump casing connection . . .						
	1	SMS . . . . .	9613480825	9613480829	9613480833	9613480837	9613480841	9613480845
	1	Clamp ISO 2037 . . . . .	9613480826	9613480830	9613480834	9613480838	9613480842	9613480846
	1	DIN . . . . .	9613480827	9613480831	9613480835	9613480839	9613480843	9613480847
	1	Union ISO (IDF) . . . . .	9613480828	9613480832	9613480836	9613480840	9613480844	9613480848
<b>Polished Ra ≤ 0.8 µm</b>								
2	1	Impeller . . . . .	9612131206	9612131406	9612425206	9612434106	9612131806	9612132006
3	1	Backplate . . . . .	9613479605	9613479606	9613479607	9613479607	9613479608	9613479608
10	1	Impeller screw . . . . .	9612139603	9612139603	9612139603	9612139603	9612139603	9612139603
4	6	Cap nut . . . . .	9611992592	9611992592	9611992593	9611992593	9611992593	9611992593
5	6	Washer . . . . .	9611992302	9611991888	9611991887	9611991887	9611991887	9611991887
6	6	Bolt . . . . .	9611992168	9611992168	9611992169	9611992169	9611992169	9611992169
7	□♦○★	O-ring pump casing, EPDM . . .						
	1	O-ring pump casing, NBR . . .						
	1	O-ring pump casing, FPM . . .						
	1	O-ring pump casing, FEP . . .						
	1	Set of 5 O-rings EPDM for pumpcasing (pos 26) . . . . .	8010023153	8010023154	8010023155	8010023155	8010023156	8010023156
8	2	Nut . . . . .	9611990353	9611990353	9611990353	9611990353	9611990353	9611990353
9	2	Washer . . . . .	9611992559	9611992559	9611992559	9611992559	9611992559	9611992559
11	□♦○★	O-ring impeller screw, EPDM . . . . .						
	1	O-ring impeller screw, NBR . . .						
	1	O-ring impeller screw, FPM . . .						
	1	O-ring impeller screw, FEP . . .						
	1	Set of 5 O-rings EPDM for impellerscrew (pos 38) . . . . .	8010023161	8010023161	8010023161	8010023161	8010023161	8010023161

DMSS = Double mechanical shaft seal



## Motor depended parts

Pos	Qty	Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW
37	1	Motor, (3000 rpm) . . . . .	9615212801	9615212802	9615212803	9615212804	9615212805

Pos	Qty	Denomination	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
37	1	Motor, (3000 rpm) . . . . .	9615212806	9615212807	9615212808	9615212809	9615212810

Pos	Qty	Denomination	1.5-2.2 kW	3 kW	4 kW	5.5-7.5 kW
12	1	Adaptor . . . . .	9613479001	9613479002	9613479002	9613479003
13	1	Safety guard set . . . . .	9614077401	9614077402	9614077402	9614077403
14	1	Screw for safety guard . . . . .	9611993239	9611993239	9611993239	9611993239
15	4	Screw for adaptor . . . . .	9611992161	9611991834	9611991834	9611992162
16	4	Nut for adaptor . . . . .	9611990353	9611990587	9611990587	9611990587
17	4	Washer for adaptor . . . . .	9611991887	9611990676	9611990676	9611990676
18	1	Shaft . . . . .	9613481401	9613481501	9613481501	9613481601
19	1	Seeger circlip . . . . .	9611992307			
20	1	Compression ring with thread . . . . .	9612133601	9612133602	9612133602	9612133605
21	1	Compression ring without thread . . . . .	9612133701	9612133702	9612133702	9612133705
22	6	Screw . . . . .	9611993196	9611993196	9611993196	9611993197
23	6	Washer . . . . .	9611993199	9611993199	9611993199	9611993199

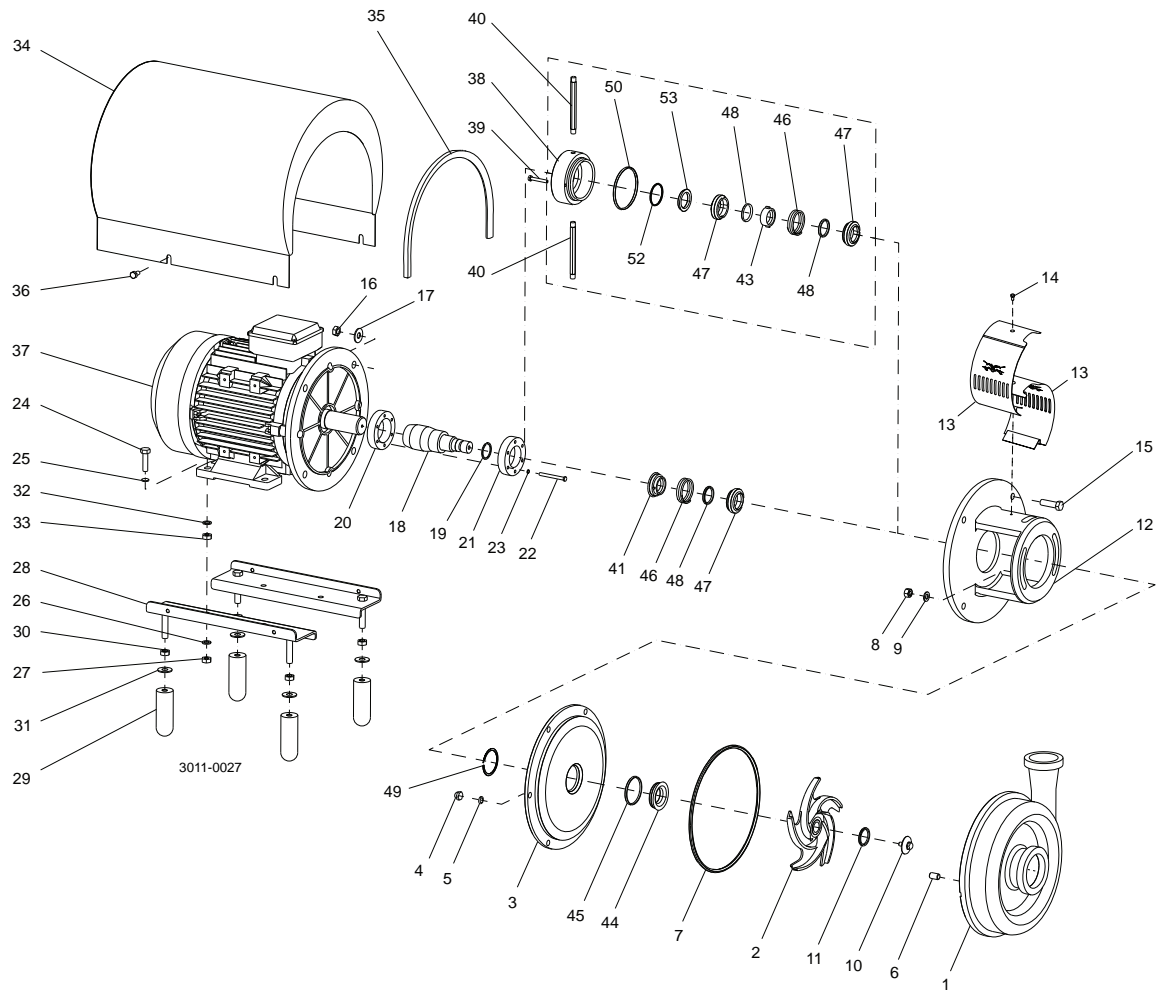
## Legs

24	4	Screw for legs . . . . .	9611993241	9611991374	9611991374	9611991911
25	4	Washer for legs . . . . .		9611990786	9611990786	9611990786
26	4	Spring washer, legs . . . . .	9611991888	9611991887	9611991887	9611991887
27	4	Nut for legs . . . . .	9611990360	9611990353	9611990353	9611990353
28	2	Bracket . . . . .	9612917401	9612917402	9612917403	9612917404
29	4	Legs . . . . .	3146012481	3146012481	3146012481	3146012481
30	4	Nut for legs . . . . .	9611991829	9611991829	9611991829	9611991829
31	4	Washer for legs . . . . .	3146001041	3146001041	3146001041	3146001041
32	4	Nut . . . . .		9611990587		
33	4	Washer for legs . . . . .		3146001041		
34	1	Shroud compl . . . . .	9613478401	9613478402	9613478403	9613478404
35	1	Edgelist (Incl.in pos.2) . . . . .	9612133810	9612133811	9612133812	9612133813
36	4	Screw . . . . .	9611993240	9611993240	9611993240	9611993240

Pos	Qty	Denomination	11-15 kW	18.5 kW	22 kW
12	1	Adaptor . . . . .	9613479004	9613479004	9613479004
13	1	Safety guard set . . . . .	9614077404	9614077404	9614077404
14	1	Screw for safety guard . . . . .	9611993239	9611993239	9611993239
15	4	Screw for adaptor . . . . .	9611992163	9611992163	9611992164
16	4	Nut for adaptor . . . . .	9611992160	9611992160	9611992160
17	4	Washer for adaptor . . . . .	9611991886	9611991886	9611991886
18	1	Shaft . . . . .	9613481701	9613481701	9613481801
20	1	Compression ring with thread . . . . .	9612133603	9612133603	9612133604
21	1	Compression ring without thread . . . . .	9612133703	9612133703	9612133704
22	6	Screw . . . . .	9611993198	9611993198	9611993198
23	6	Washer . . . . .	9611993199	9611993199	9611993199

## Legs

24	4	Screw for legs . . . . .	9611991834	9611991834	9611991834
25	4	Washer for legs . . . . .	9611990706	9611990706	9611990706
26	4	Spring washer, legs . . . . .	9611990676	9611990676	9611990676
27	4	Nut for legs . . . . .	9611990587	9611990587	9611990587
28	2	Bracket . . . . .	9612917405	9612917406	9612917413
29	4	Legs . . . . .	3146012481	3146012481	3146012481
30	4	Nut for legs . . . . .	9611991829	9611991829	9611991829
31	4	Washer for legs . . . . .	3146001041	3146001041	3146001041
34	1	Shroud compl . . . . .	9613478405	9613478405	9613478406
35	1	Edgelist (Incl.in pos.2) . . . . .	9612133814	9612133814	9612133815
36	4	Screw . . . . .	9611993241	9611993241	9611993243





**Shaft seal**

Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
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**Single complete shaft seal**

□		Single shaft seal, SiC				
44	1	Stationary seal ring, SiC				
45	1	O-ring				
46	1	Spring				
47	1	Rotating seal ring, carbon				
48	1	O-ring				
49	1	Cir-clip				

**Single complete shaft seal**

♦		Single complete shaft seal				
44	1	Stationary seal ring, SiC				
45	1	O-ring				
46	1	Spring				
47	1	Rotating seal ring, SiC				
48	1	O-ring				
49	1	Cir-clip				

**Double mechanical shaft seal**

○		Double mechanical shaft seal				
44	1	Stationary seal ring, SiC				
45	1	O-ring				
46	1	Spring				
47	2	Rotating seal ring, carbon				
48	2	O-ring				
49	1	Cir-clip				
50	1	O-ring for seal housing, EPDM				
52	1	O-ring for secondary stat. seal ring, EPDM				
53	1	Sec. stationary seal ring				

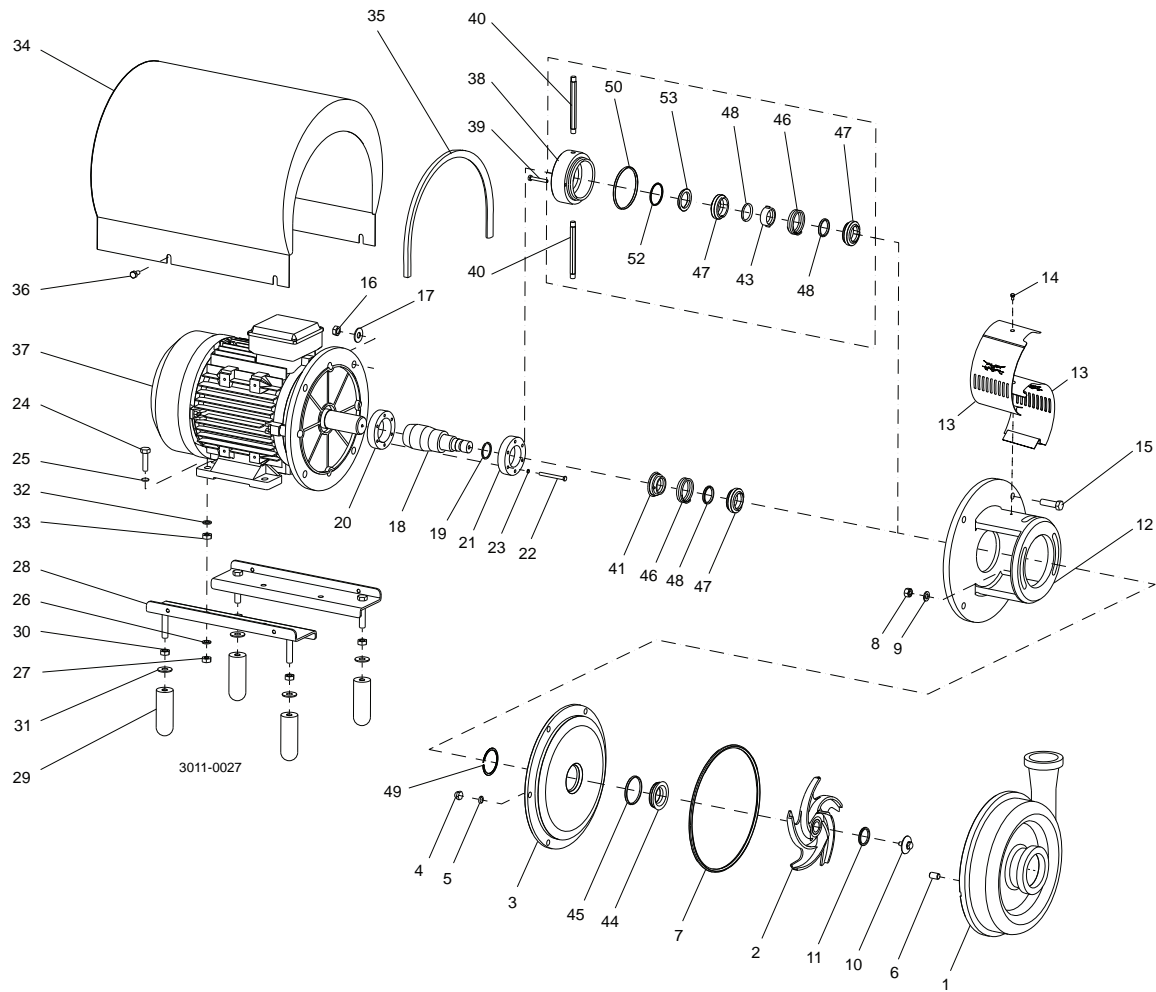
★		Double mechanical shaft seal				
44	1	Stationary seal ring, SiC				
45	1	O-ring				
46	1	Spring				
47	2	Rotating seal ring, SiC				
48	2	O-ring				
49	1	Cir-clip				
50	1	O-ring for seal housing, EPDM				
52	1	O-ring for secondary stat. seal ring, EPDM				
53	1	Sec. stationary seal ring				

**Seal housing parts for double mechanical shaft seal**

38	1	Seal housing	9613480901	9613480901	9613480901
39	2	Screw for seal housing	9611990203	9611990203	9611990203
40	2	Flush connections	9612358901	9612358901	9612358901

**Drive rings**

41	1	Drive ring single/flushed	9613481001	9613481001	9613481001
43	1	Drive ring double mech.	9613481201	9613481201	9613481201



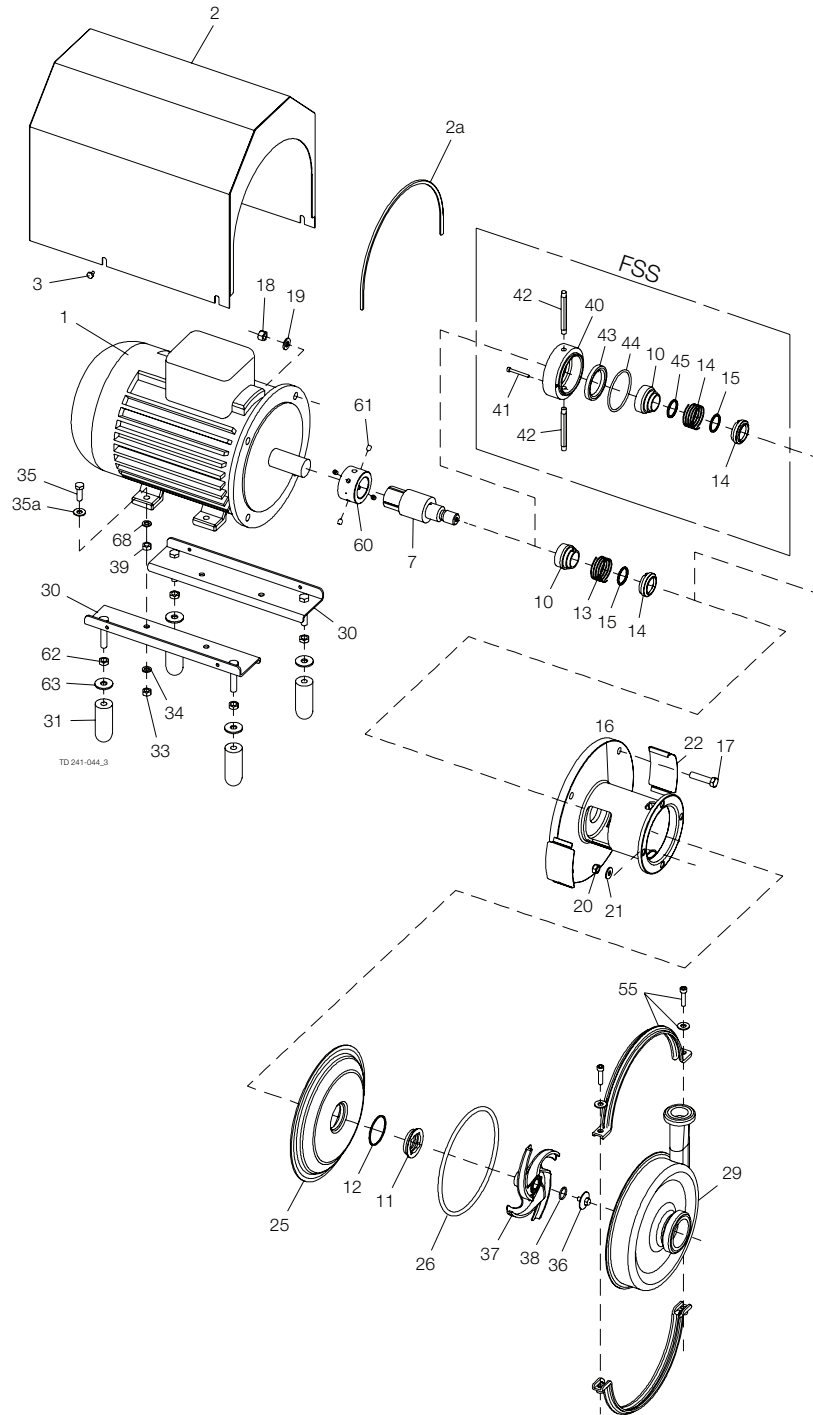
		EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal C/SIC</b>					
□	Service kit, C/SIC (i-CP2010) . . . . .	9611927033	9611927034	9611927035	9611927194
□	Service kit, C/SIC (i-CP2020) . . . . .	9611927061	9611927062	9611927063	9611927195
□	Service kit, C/SIC (i-CP2025/2035) . . . . .	9611927067	9611927068	9611927069	9611927196
□	Service kit, C/SIC (i-CP2040/2050) . . . . .	9611927073	9611927074	9611927075	9611927197
<b>Service kit for single shaft seal SIC/SIC</b>					
♦	Service kit, SIC/SIC (i-CP2010) . . . . .	9611927037	9611927038	9611927039	9611927198
♦	Service kit, SIC/SIC (i-CP2020) . . . . .	9611927064	9611927065	9611927066	9611927199
♦	Service kit, SIC/SIC (i-CP2025/2035) . . . . .	9611927070	9611927071	9611927072	9611927200
♦	Service kit, SIC/SIC (i-CP2040/2050) . . . . .	9611927076	9611927077	9611927078	9611927201
<b>Service kit for double mechanical shaft seal C/SIC</b>					
○	Service kit, C/SIC (i-CP2010) . . . . .	9611927049	9611927050	9611927051	9611927202
○	Service kit, C/SIC (i-CP2020) . . . . .	9611927079	9611927080	9611927081	9611927203
○	Service kit, C/SIC (i-CP2025/2035) . . . . .	9611927085	9611927086	9611927087	9611927204
○	Service kit, C/SIC (i-CP2040/2050) . . . . .	9611927091	9611927092	9611927093	9611927205
<b>Service kit for double mechanical shaft seal SIC/SIC</b>					
*	Service kit, SIC/SIC (i-CP2010) . . . . .	9611927053	9611927054	9611927055	9611927206
*	Service kit, SIC/SIC (i-CP2020) . . . . .	9611927082	9611927083	9611927084	9611927207
*	Service kit, SIC/SIC (i-CP2025/2035) . . . . .	9611927088	9611927089	9611927090	9611927208
*	Service kit, SIC/SIC (i-CP2040/2050) . . . . .	9611927094	9611927095	9611927096	9611927209

Parts marked with □♦○\* are included in the service kits.

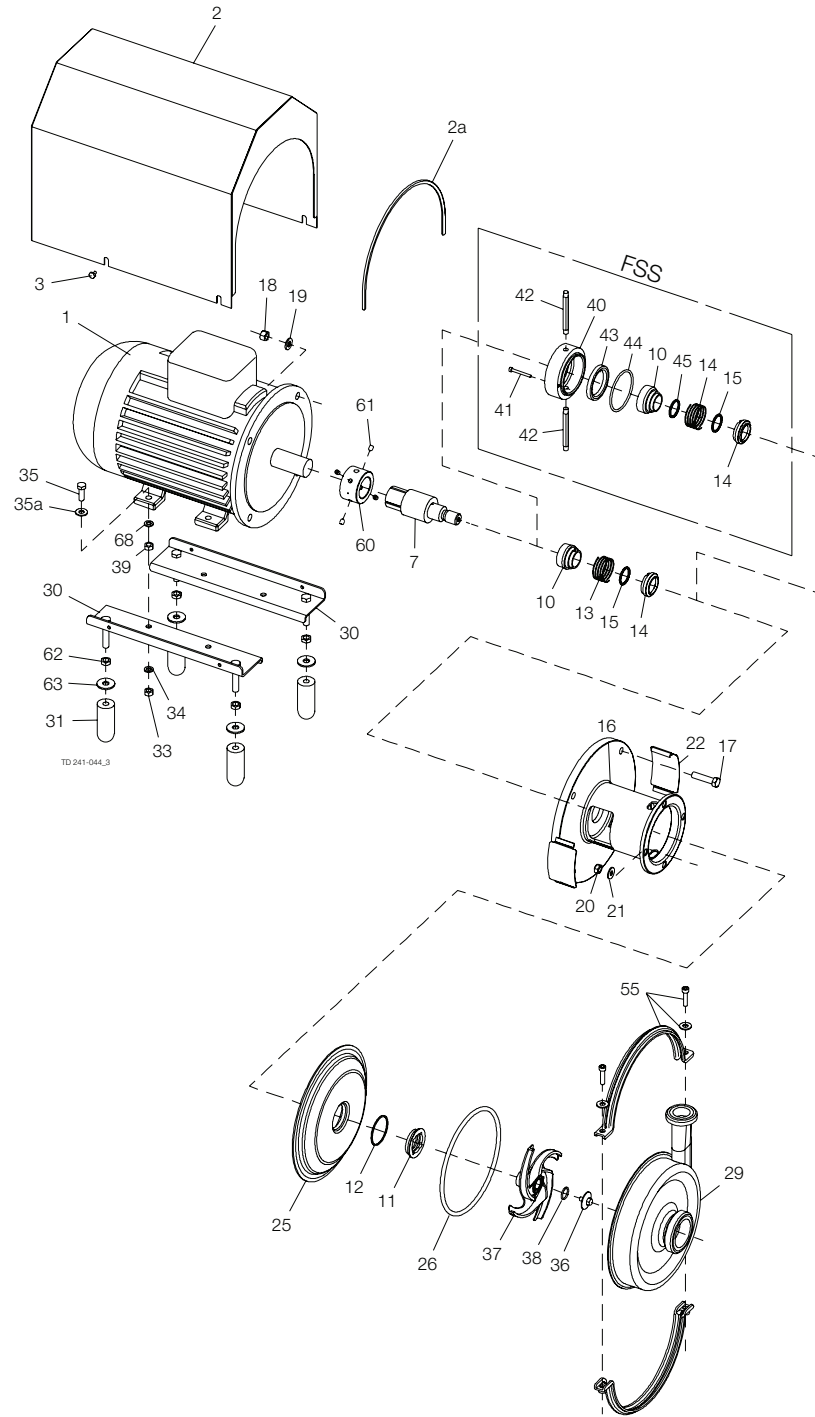
Recommended spare parts: service kits.

Conversion kit single to double mechanical shaft seal : Please order Double mechanical service kit + pos. 43 + 38+ 39 + 40

(900561/6)

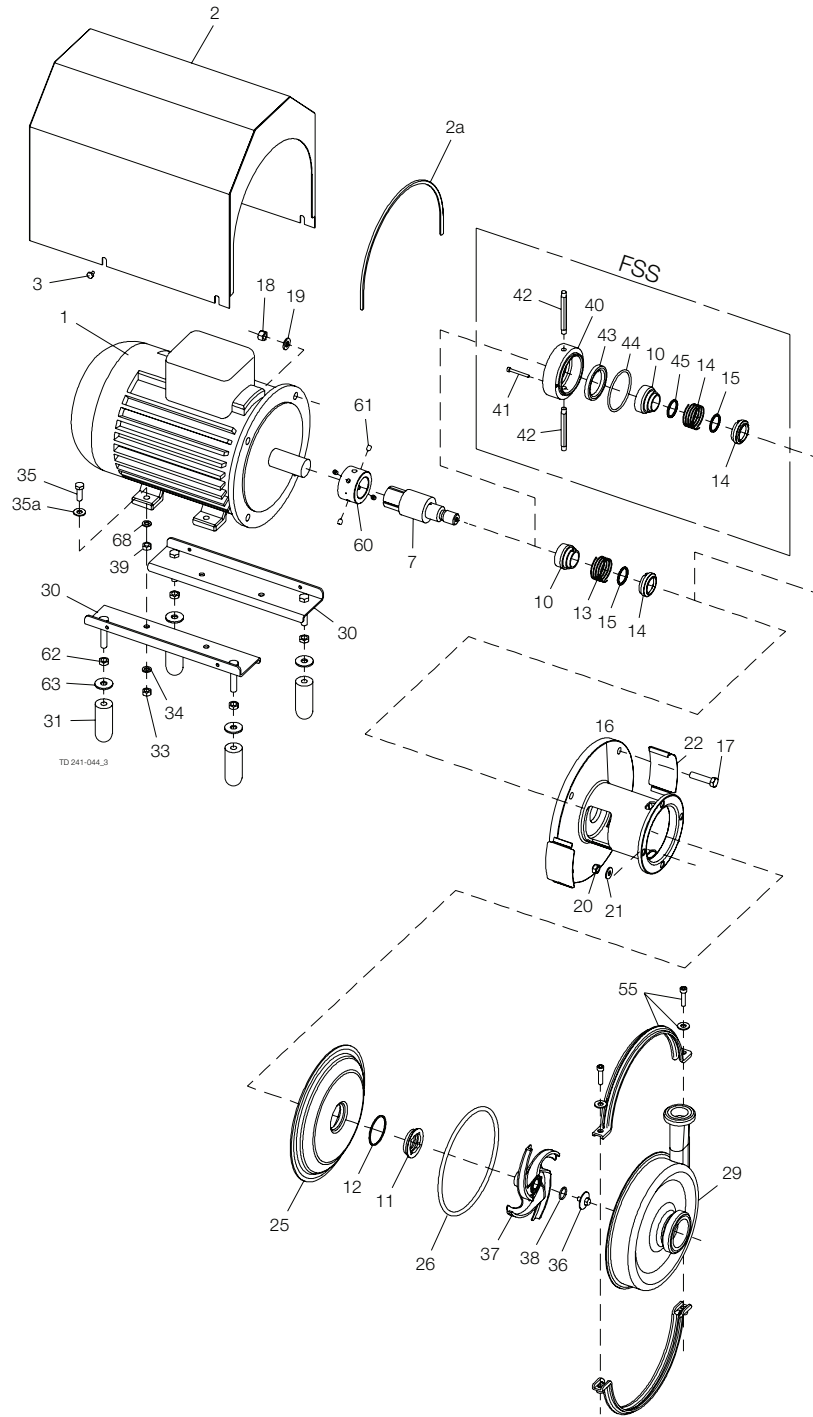


Pos	Qty	Denomination	i-CP101	i-CP102	i-CP103	i-CP104
			1.5-4 kW	3-11 kW	5.5-18.5 kW	5.5-18.5 kW
25	1	Backplate	9612911425	9612911426	9612911427	9612911428
26	1	□♦○⊕ O-ring for casing, EPDM (standard)	9611994241	9611994245	9611994249	9611994253
	1	O-ring for casing, NBR	9611994242	9611994246	9611994250	9611994254
	1	O-ring for casing, FPM	9611994243	9611994247	9611994251	9611994255
	1	O-ring for casing, FEP	9611994244	9611994248	9611994252	9611994256
29	1	Pump casing, DIN	9613469802	9613469805	9613469808	9613469811
	1	Pump casing, SMS	9613469801	9613469804	9613469807	9613469810
	1	Pump casing, ISO	9613469803	9613469806	9613469809	9613469812
36	1	Impeller screw	9612362701	9612362701	9612362701	9612362701
37	1	Impeller	9612911502	9612911802	9612912102	9612912402
38	1	□♦○⊕ O-ring for impeller screw, EPDM (standard)	9611992750	9611992750	9611992750	9611992750
	1	O-ring for impeller screw, NBR	9611992751	9611992751	9611992751	9611992751
	1	O-ring for impeller screw, FPM	9611992752	9611992752	9611992752	9611992752
	1	O-ring for impeller screw, FEP	9611993539	9611993539	9611993539	9611993539
55	1	Clamp set	9612915401	9612915402	9612915403	9612915404



Pos	Qty	Denomination	1.5-2.2 kW	3 kW	4 kW
2	1	Shroud	9612919101	9612919105	9612919102
3	4	Screw for shroud	9611993240	9611993240	9611993240
7	1	Shaft	9612913201	9612913301	9612913301
16	1	Adaptor	9613459301	9613459302	9613459302
17	4	Screw for motor flange	9611991374	9611992162	9611992162
18	4	Nut for motor flange	9611990353	9611990587	9611990587
19	4	Washer for motor flange	9611991887	9611990676	9611990676
20	4	Nut for backplate	9611990353	9611990353	9611990353
21	4	Washer for backplate	9611990786	9611990786	9611990786
22	2	Safety guard	9612916801	9612916801	9612916801
60	1	Comp. ring	9612914201	9612914202	9612914202
61	4	Screw for comp. ring	9611994258	9611994258	9611994258
30	2	Bracket	9612917401	9612917402	9612917403
31	4	Legs	3146012481	3146012481	3146012481
33	4	Nut for legs	9611990360	9611990353	9611990353
34	4	Spring washer for legs	9611991888	9611991887	9611991887
35	4	Screw for legs	9611993241	9611991374	9611991374
35a	4	Washer for legs		9611990786	9611990786
39	4	Nut		9611990587	
62	4	Nut for legs	9611991829		9611991829
63	4	Washer for legs	3146001041	3146001041	3146001041
68	4	Washer for legs		3146001041	

Pos	Qty	Denomination	5.5-7.5 kW	11-15 kW	18.5 kW
2	1	Shroud	9612919103	9612919104	9612919104
3	4	Screw for shroud	9611993240	9611993240	9611993240
7	1	Shaft	9612913401	9612913501	9612913501
16	1	Adaptor	9613459303	9613459304	9613459304
17	4	Screw for motor flange	9611992162	9611992164	9611992164
18	4	Nut for motor flange	9611990587	9611992160	9611992160
19	4	Washer for motor flange	9611990676	9611991886	9611991886
20	4	Nut for backplate	9611990353	9611990353	9611990353
21	4	Washer for backplate	9611990786	9611990786	9611990786
22	2	Safety guard	9612916801	9612916801	9612916801
60	1	Comp. ring	9612914203	9612914401	9612914401
61	4	Screw for comp. ring	9611994259	9611994259	9611994259
30	2	Bracket	9612917404	9612917405	9612917406
31	4	Legs	3146012481	3146012481	3146012481
33	4	Nut for legs	9611990353	9611990587	9611990587
34	4	Spring washer for legs	9611991887	9611990676	9611990676
35	4	Screw for legs	9611991911	9611991834	9611991834
35a	4	Washer for legs	9611990786	9611990706	9611990706
62	4	Nut for legs	9611991829	9611991829	9611991829
63	4	Washer for legs	3146001041	3146001041	3146001041



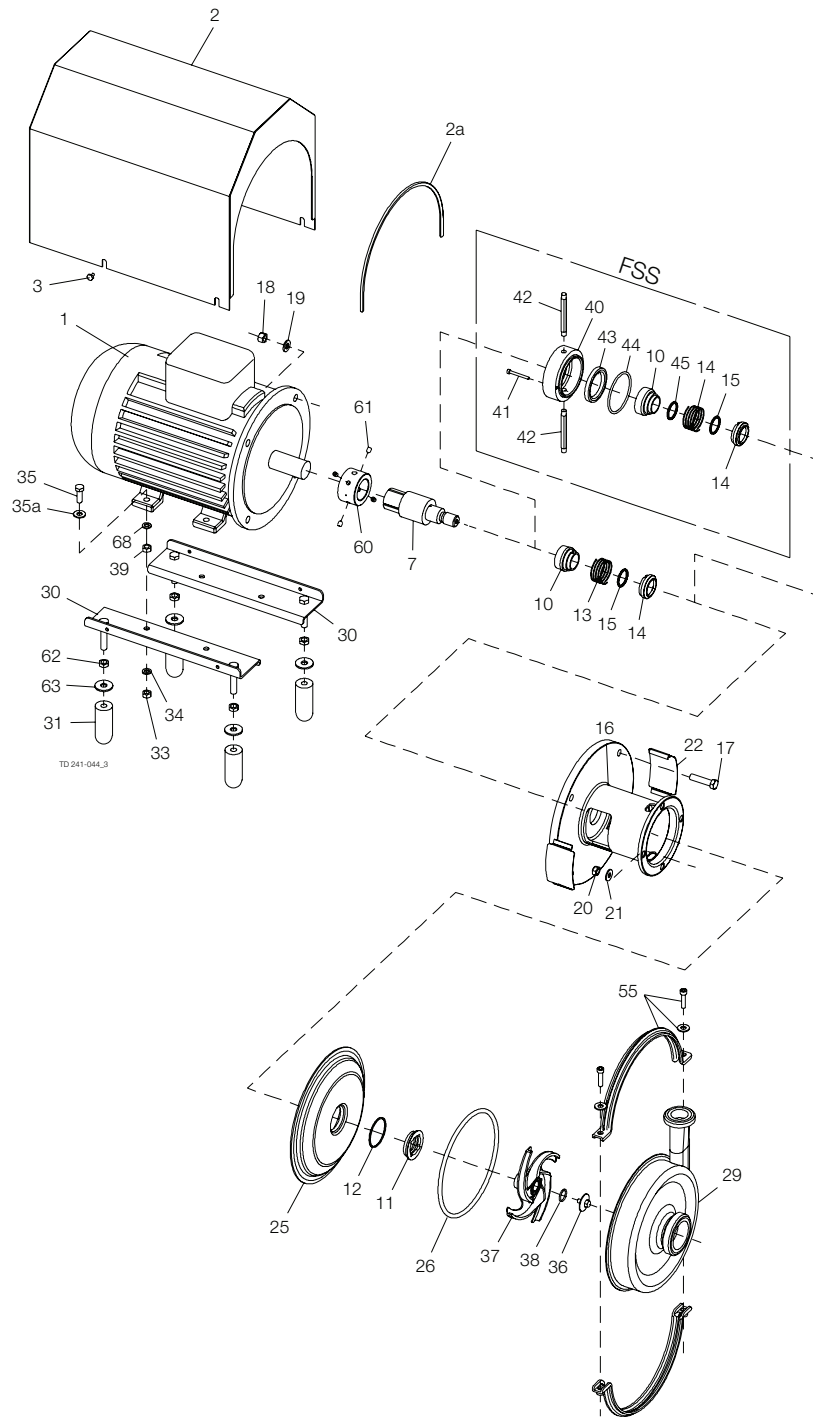


Pos	Qty	Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW
1	1	Motor .....	9615212801	9615212802	9615212803	9615212804	9615212805

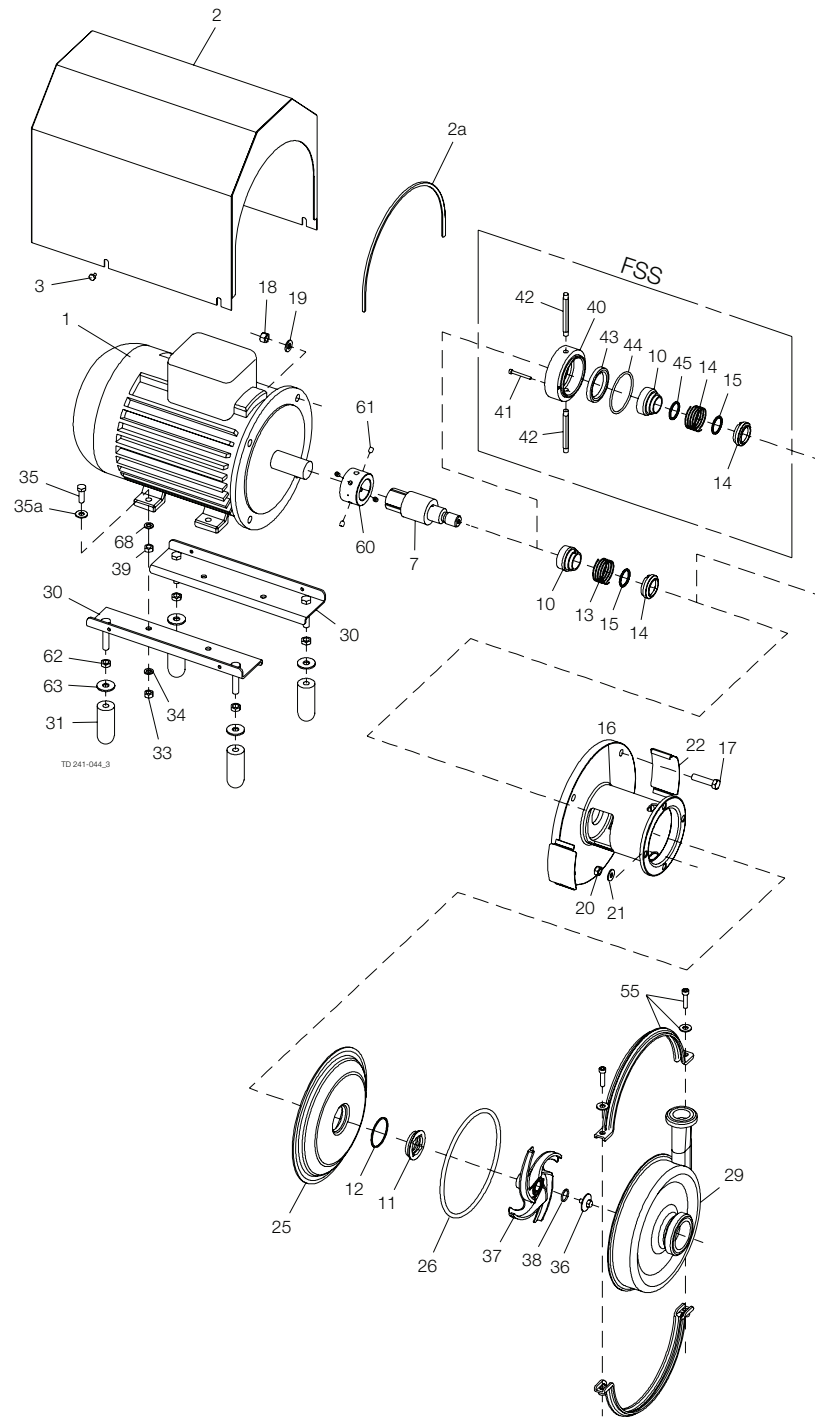
Pos	Qty	Denomination	7.5 kW	11 kW	15 kW	18.5 kW
1	1	Motor .....	9615212806	9615212807	9615212808	9615212809

3 ~, 50 Hz, 220-240V Δ /380-420V Y - Option  
 3 ~, 60 Hz, 250-280V Δ /440-480V Y - Option

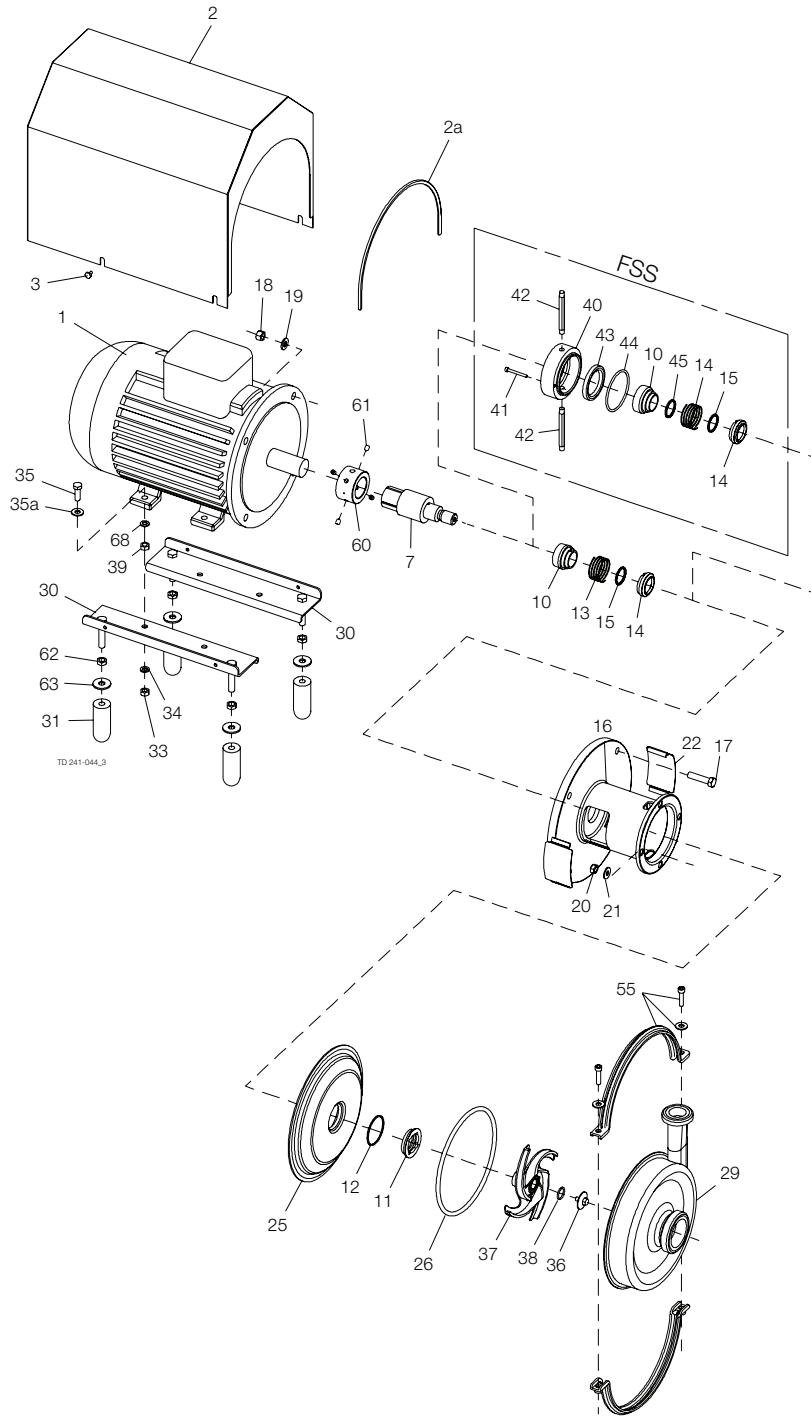
3 ~, 50 Hz, 380-420V Δ /660-690V Y - Standard  
 3 ~, 60 Hz, 440-480V Δ - Standard



Pos	Qty	Denomination	1.5-18.5 kW
<b>Accessories</b>			
	1	Tool for seal . . . . .	9612903601
	1	Impeller gauge . . . . .	9612912801
<b>Parts for flushed shaft seal</b>			
40	1	Seal housing . . . . .	9612133901
41	2	Screw for seal housing . . . . .	9611990203
42	2	Tube . . . . .	9612358914
<b>Drive ring</b>			
10	1	Drive ring, Single shaft seal . . . . .	9614206001
	1	Drive ring, Flushed shaft seal . . . . .	9612926801



Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
<b>Single shaft seal (standard)</b>						
		□ Complete shaft seal . . . . .	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC . . . . .				
12	1	O-ring . . . . .				
13	1	Spring . . . . .				
14	1	Rotating seal ring, Carbon . . . . .				
15	1	O-ring . . . . .				
<b>Alternatives for single shaft seal</b>						
		○ Complete shaft seal . . . . .	9612129605	9612129606	9612129607	9612129608
11	1	Stationary seal ring, SiC . . . . .				
12	1	O-ring . . . . .				
13	1	Spring . . . . .				
14	1	Rotating seal ring, SiC . . . . .				
15	1	O-ring . . . . .				
<b>Flushed shaft seal (standard)</b>						
		♦ Complete shaft seal . . . . .	9612919301	9612919302	9612919303	9612919304
11	1	Stationary seal ring, SiC . . . . .				
12	1	O-ring . . . . .				
13	1	Spring . . . . .				
14	1	Rotating seal ring, Carbon . . . . .				
15	1	O-ring . . . . .				
44	1	O-ring for seal housing . . . . .				
45	1	O-ring for drive ring . . . . .				
43	1	Lip seal . . . . .				
<b>Alternatives for flushed shaft seal</b>						
		⊗ Complete shaft seal . . . . .	9612919305	9612919306	9612919307	9612919308
11	1	Stationary seal ring, SiC . . . . .				
12	1	O-ring . . . . .				
13	1	Spring . . . . .				
14	1	Rotating seal ring, SiC . . . . .				
15	1	O-ring . . . . .				
44	1	O-ring for seal housing . . . . .				
45	1	O-ring for drive ring . . . . .				
43	1	Lip seal . . . . .				



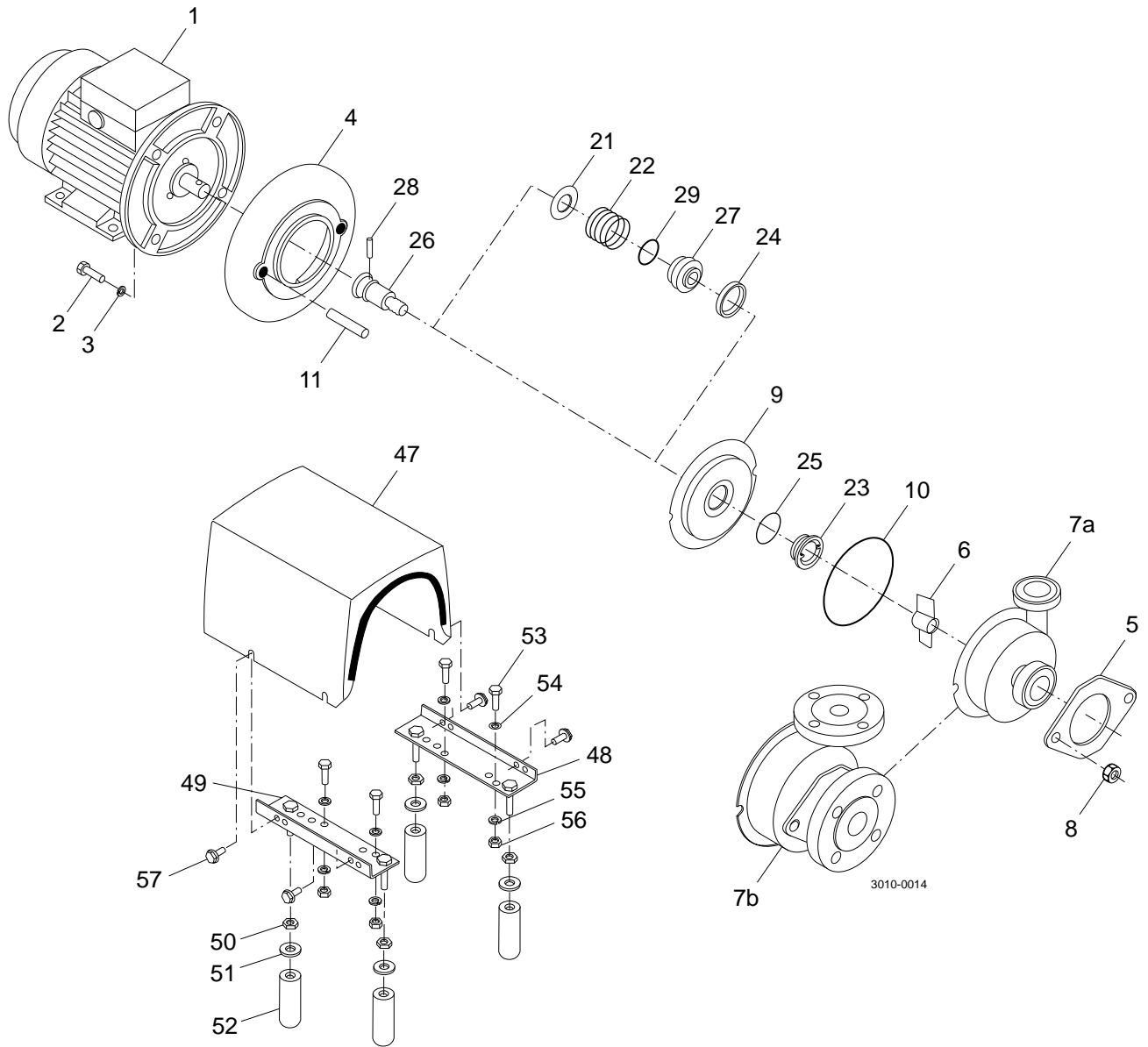
		EPDM	NBR	FPM	FEP
<b>Service kit for single shaft seal C/SIC</b>					
□	Service kit, C/SIC (i-CP101) . . . . .	9611922454	9611922455	9611922456	9611922457
□	Service kit, C/SIC (i-CP102) . . . . .	9611922471	9611922472	9611922473	9611922474
□	Service kit, C/SIC (i-CP103) . . . . .	9611922487	9611922488	9611922489	9611922490
□	Service kit, C/SIC (i-CP104) . . . . .	9611922503	9611922504	9611922505	9611922506
<b>Service kit for single shaft seal SIC/SIC</b>					
○	Service kit, SIC/SIC (i-CP101) . . . . .	9611922811	9611922812	9611922813	9611922814
○	Service kit, SIC/SIC (i-CP102) . . . . .	9611922819	9611922820	9611922821	9611922822
○	Service kit, SIC/SIC (i-CP103) . . . . .	9611922827	9611922828	9611922829	9611922830
○	Service kit, SIC/SIC (i-CP104) . . . . .	9611922835	9611922836	9611922837	9611922838
<b>Service kit for flushed shaft seal C/SIC</b>					
◆	Service kit, C/SIC (i-CP101) . . . . .	9611922462	9611922463	9611922464	9611922465
◆	Service kit, C/SIC (i-CP102) . . . . .	9611922479	9611922480	9611922481	9611922482
◆	Service kit, C/SIC (i-CP103) . . . . .	9611922495	9611922496	9611922497	9611922498
◆	Service kit, C/SIC (i-CP104) . . . . .	9611922511	9611922512	9611922513	
<b>Service kit for flushed shaft seal SIC/SIC</b>					
⊗	Service kit, SIC/SIC (i-CP101) . . . . .	9611922815	9611922816	9611922817	9611922817
⊗	Service kit, SIC/SIC (i-CP102) . . . . .	9611922823	9611922824	9611922825	9611922826
⊗	Service kit, SIC/SIC (i-CP103) . . . . .	9611922831	9611922832	9611922833	9611922834
⊗	Service kit, SIC/SIC (i-CP104) . . . . .	9611922839	9611922840	9611922841	9611922842

Parts marked with □◆○⊗ are included in the service kits.

Recommended Spare parts: Service kit.

Conversion kit single to flushed shaft seal : Please order Flushed service kit + pos. 10 + 40 + 41 + 42

(900556/5)





Pos	Qty	Denomination	FM-OS/95	FM-OS/115
1	1	Motor IEC80, ABB (full speed)	9614303002	
2	4	Screw	9611991823	
3	4	Spring washer	9611991887	
4	1	Adaptor	3145700621	
5	1	Yoke	3145700501	
6	1	Impeller, diameter 95 mm (standard)	9612186802	
6*	1	Impeller, 4 bladed, diameter 95 mm	9612355001	
	1	Impeller, diameter 115 mm (standard)	9612186801	
	1	Impeller, 4 bladed, diameter 115 mm	9612354901	
7a	1	Pump casing with sanitary fittings 51 mm inlet and outlet		
	1	ISO male	3145700381	
	1	SMS	3145700382	
	1	DIN	3145700383	
	1	ISO clamp	3145700384	
	1	BS		
7b	1	Pump casing flanges DN 50 inlet and DN 40 outlet		
	1	Pump casing with flanges DN 50 inlet/DN 50 outlet	3145700672	
8	2	Nut	9611990587	
9	1	Back plate	3145600351	
10	1	O-ring, NBR (Standard)	22341275	
	1	O-ring, EPDM	223412175	
	1	O-ring, FPM	22341276	
	1	O-ring, PTFE	3145600601	
11	2	Stud bolt	3145700511	
21	1	Thrower	3145700251	
24	1	Nut	3143701201	
26	1	Pump shaft	3145700641	
28	1	Tubular spring pin	22211927	
47	1	Shroud complete	3145701061	
48	1	Support bar, left	3145701051	
49	1	Support bar, right	3145701052	
50	4	Nut	9611991829	
51	4	Washer	3146001041	
52	4	Leg	3146012481	
53	4	Screw	9611991824	
54	4	Washer	9611991831	
55	4	Washer	9611991888	
56	4	Nut	9611990360	
57	4	Screw	9611993240	

3 ~, 50 Hz, 230VD/400-415VY - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW

3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW

\* Sometimes reduced impeller diameter. Check the diameter of the original impeller.

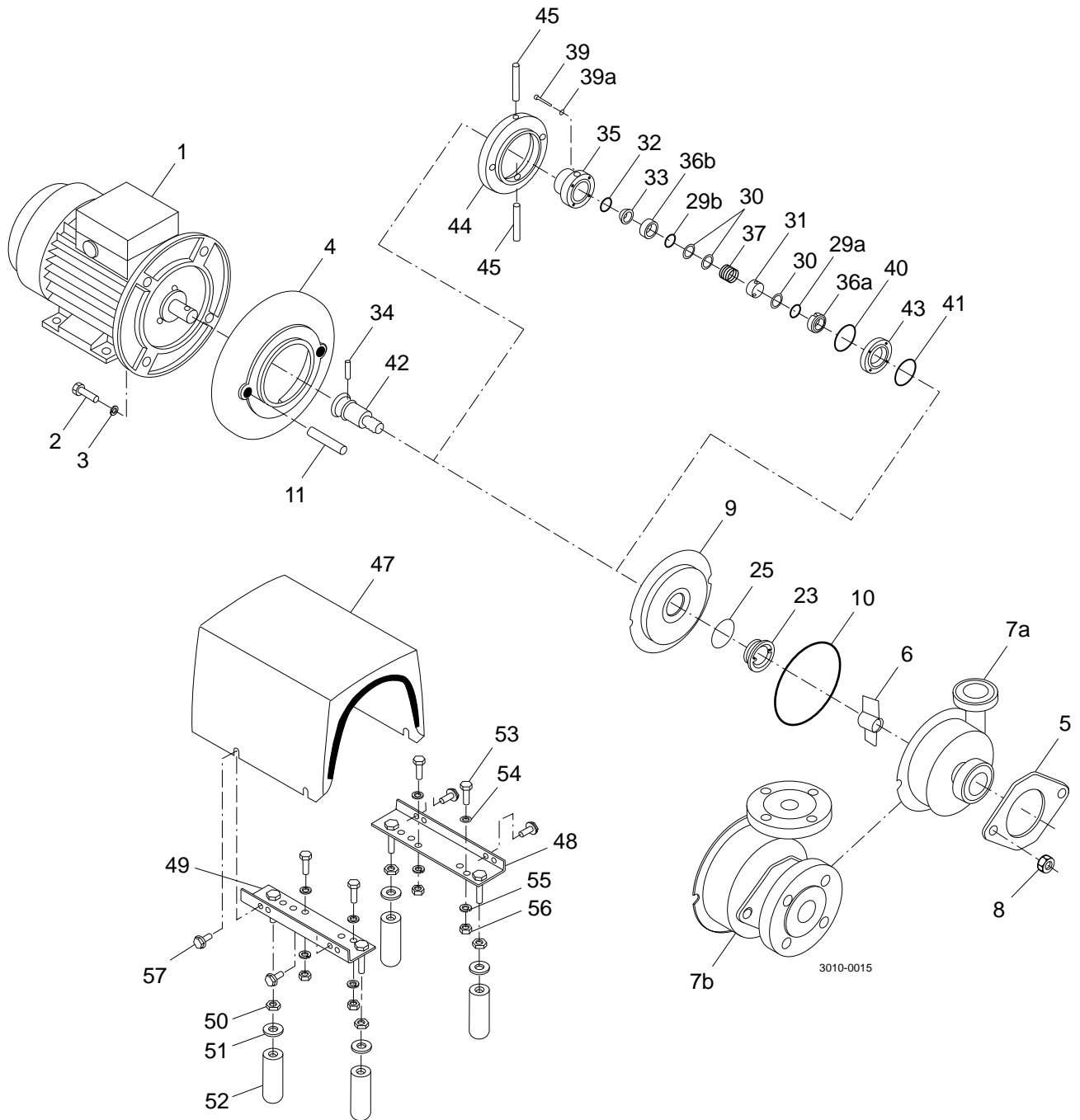
Pos	Qty	Denomination	NBR	EPDM	FPM	PTFE
<b>Single shaft seal (standard)</b>						
□		Complete shaft seal, C/SiC	9612439201	9612439203	9612439204	9612439202
22	1	Spring				
23	1	Stationary seal ring, SiC				
25	1	Seal				
27	1	Rotating seal ring, carbon				
29	1	O-ring				
<b>Alternatives for single shaft seals</b>						
□		Complete shaft seal, SiC/SiC	9612439205	9612439207	9612439208	9612439206
22	1	Spring				
23	1	Stationary seal ring, SiC				
25	1	Seal				
27	1	Rotating seal ring, SiC				
29	1	O-ring				

FM-OS/95  
FM-OS/115

**Service kit**

<b>Service kit, NBR</b>	<b>9611921050</b>
<b>Service kit, EPDM</b>	<b>9611921051</b>
<b>Service kit, FPM</b>	<b>9611921052</b>
<b>Service kit, PTFE</b>	<b>9611921053</b>

Parts marked with □ are included in the service kits. (900452/4)



Pos	Qty	Denomination	FM-OS/95
			FM-OS/115
1	1	Motor IEC, ABB (full speed)	9614303002
2	4	Screw	9611991823
3	4	Spring washer	9611991887
4	1	Adaptor	3145700621
5	1	Yoke	3145700501
6	1	Impeller, diameter 95 mm (standard)	9612186802
6*	1	Impeller, 4 bladed, diameter 95 mm	9612355001
	1	Impeller, diameter 115 mm (standard)	9612186801
	1	Impeller, 4 bladed, diameter 115 mm	9612354901
7a	1	Pump casing with sanitary fittings, 51mm inlet and outlet	
	1	ISO male	3145700381
	1	SMS	3145700382
	1	DIN	3145700383
	1	ISO clamp	3145700384
	1	BS	3145700385
7b	1	Pump casing flanges DN 50, inlet and outlet	
	1	Pump casing flanges, DN 50 inlet and DN 40 outlet	
	1	Pump casing, with flanges DN 50 inlet/DN 50 outlet	3145700672
8	2	Nut	9611990587
9	1	Back plate	3145600351
10	1	O-ring, NBR (Standard)	22341275
	1	O-ring, EPDM	223412175
	1	O-ring, FPM	22341276
	1	O-ring, PTFE	3145600601
11	2	Stud bolt	3145700512
34	1	Tubular spring pin	22211920
35	1	Seal housing	3143901141
39	4	Screw	9611990208
39a	4	Washer	9611990800
42	1	Pump shaft	3145700681
43	1	Fastening ring	3143901131
44	1	Intermediate flange	3145700541
45	2	Flushing tube	9612358906
46	1	Assembly mandrel (not shown)	3143901181
47	1	Shroud complete	3145701061
48	1	Support bar, left	3145701051
49	1	Support bar, right	3145701052
50	4	Nut	9611991829
51	4	Washer	3146001041
52	4	Leg	3146012481
53	4	Screw	9611991824
54	4	Washer	9611991831
55	4	Washer	9611991888
56	4	Nut	9611990360
57	4	Screw	9611993240

3 ~, 50 Hz, 230VD/400-415VY - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW

3 ~, 60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW

\* Sometimes reduced impeller diameter. Check the diameter of the original impeller.

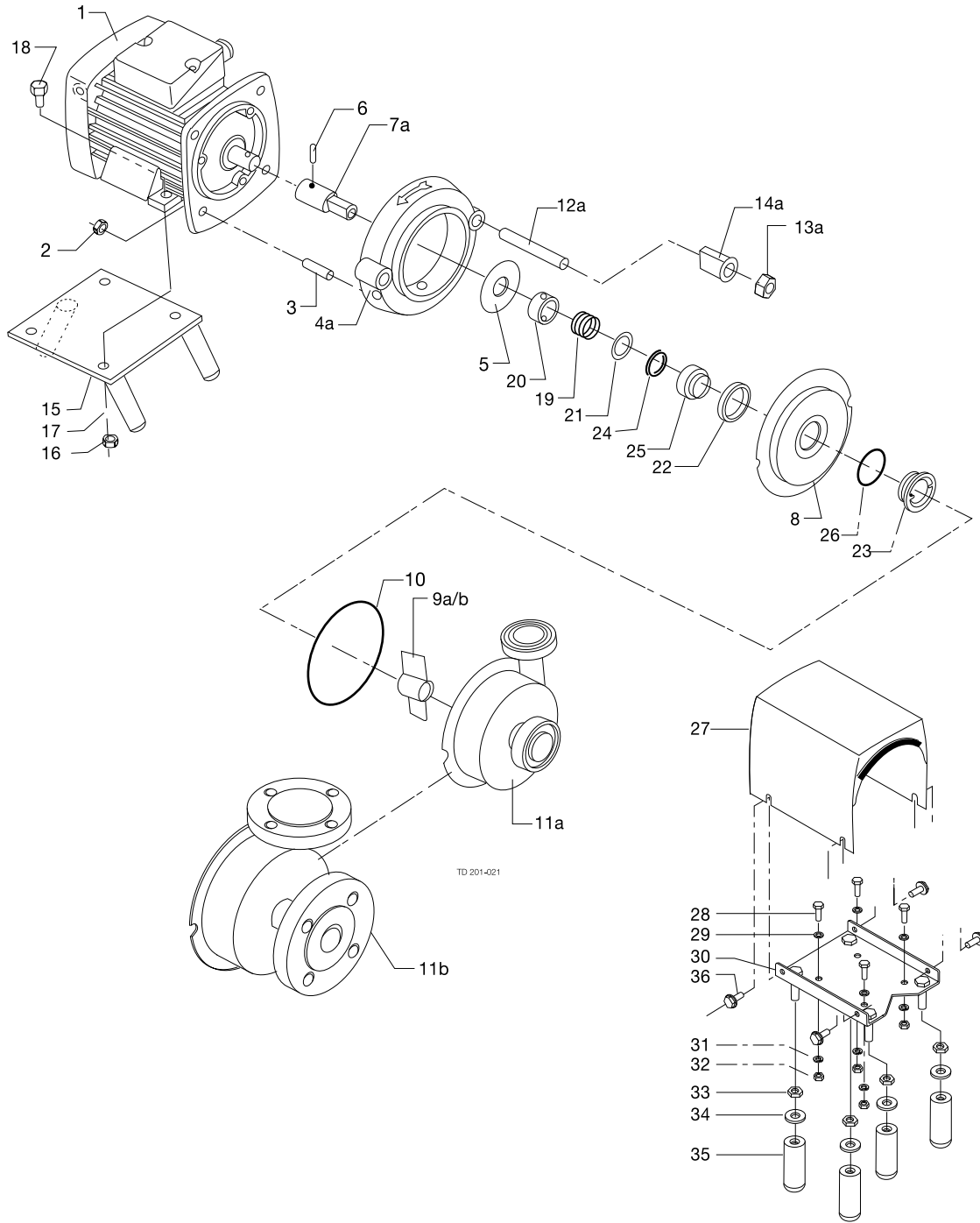
Pos	Qty	Denomination	NBR	EPDM	FPM	PTFE
□		Complete shaft seal, C/SiC	9612439301	9612439303	9612439304	9612439302
23	1	Stationary seal ring, SiC				
25	1	Seal				
29a	1	O-ring, front				
29b	1	O-ring, back				
30	3	Washer				
31	1	Spacer				
32	1	O-ring				
33	1	Stationary seal ring				
36a+b	2	Rotating seal ring, carbon				
37	1	Spring				
40	1	O-ring				
41	1	O-ring				

FM-OS/95  
FM-OS/115

Service kit

Service kit, NBR	9611921054
Service kit, EPDM	9611921055
Service kit, FPM	9611921056

Parts marked with □ are included in the service kits. Recommended spare parts: service kit. (900452/4)

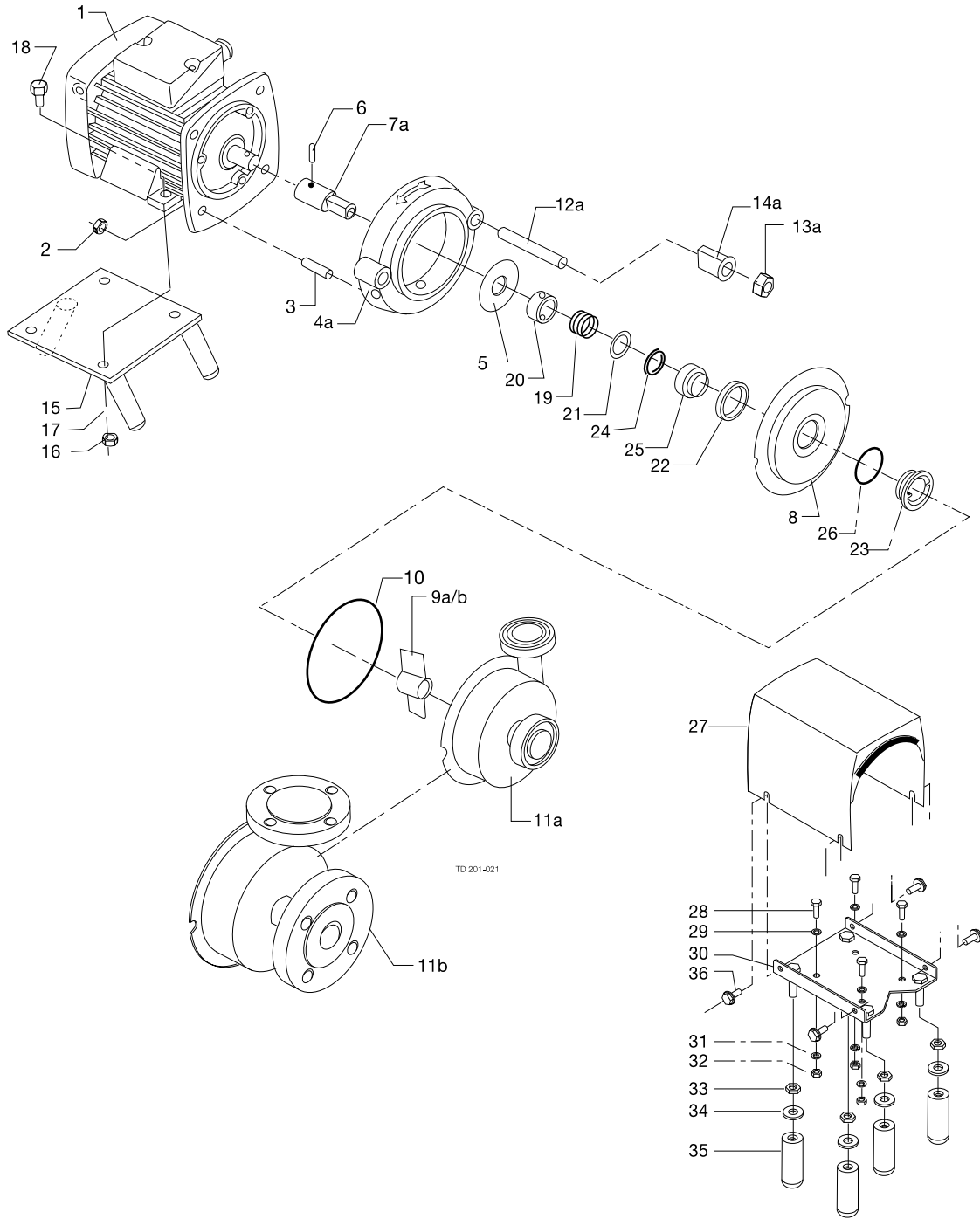


Pos	Qty	Denomination	GM-1 & 2
1	1	Motor 0.55 kW 220-240/380-420 V (Standard)	3180124611
2	4	Nut, (period 2008-)	9611990360
	4	Nut, (period -2008)	221804303
3	4	Stud bolt, (period 2008-)	9611992168
	4	Stud bolt, (period -2008)	221622103
4a	1	Adaptor, (period 2008-)	3145600523
	1	Adaptor, (period -2008)	3145600521
5	1	Thrower	3143700381
6	1	Tubular spring pin	22211920
7a	1	Pump shaft	3145600061
8	1	Black plate	3145600351
9a	1	Impeller GM-1, ø95 mm, Polyamide, (Standard) Max. 80°C	3145600091
9b	1	Impeller GM-2, ø115 mm, Polyamide, (Standard) Max. 80°C	3145600251
10	1	O-ring, NBR (Standard)	22341275
	1	O-ring, EPDM	223412175
	1	O-ring, FPM	22341276
	1	O-ring, PTFE	3145600601
<b>Pump casing with sanitary fittings 38 mm inlet and outlet</b>			
11a	1	ISO male	3145600501
	1	SMS	3145600502
	1	DIN	3145600503
	1	ISO clamp	3145600504
	1	BS	3145600505
11b	1	Pump casing with flanges DN 32 inlet/DN 25 outlet	
12a	2	Stud bolt, (period -2008)	9611992994
	2	Stud bolt, (period 2008-)	9612363505
13a	2	Cap nut, (period -2008)	110102
	2	Cap nut, (period 2008-)	9611992107
14a	2	Collet	3145600581
15	1	Legs, complete (not standard.)	3145600281
16	4	Nut	221804302
17	4	Washer	22310148
18	4	Screw	221093501
22	1	Nut	3143701201
<b>Shroud and legs</b>			
27	1	Shroud complete	3145601311
28	4	Screw	9611990456
29	4	Washer	9611990752
30	1	Mounting frame complete	3145601321
31	4	Washer	22310725
32	4	Nut	9611990252
33	4	Nut	9611991829
34	4	Washer	3146001041
35	4	Legs	3146012481
36	4	Screw	9611993240

**Optional extras:**

1	Shroud and legs kit	9611921044
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\* Sometimes reduced impeller diameter. Check the diameter of the original impeller.



Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
	□	Shaft seal, complete	9612439101	9612439103	9612439104	9612439102
19	1	Spring				
20	1	Spacer				
21	1	Washer				
23	1	Stationary seal ring SiC.				
24	1	O-ring				
25	1	Rotating seal ring				
26	1	Seal				

Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
<b>Alternatives</b>						
		Shaft seal, complete	9612439105	9612439107	9612439108	9612439106
19	1	Spring				
20	1	Spacer				
21	1	Washer				
23	1	Stationary seal ring SiC.				
24	1	O-ring				
25	1	Rotating seal ring SiC.				
26	1	Seal, PTFE				

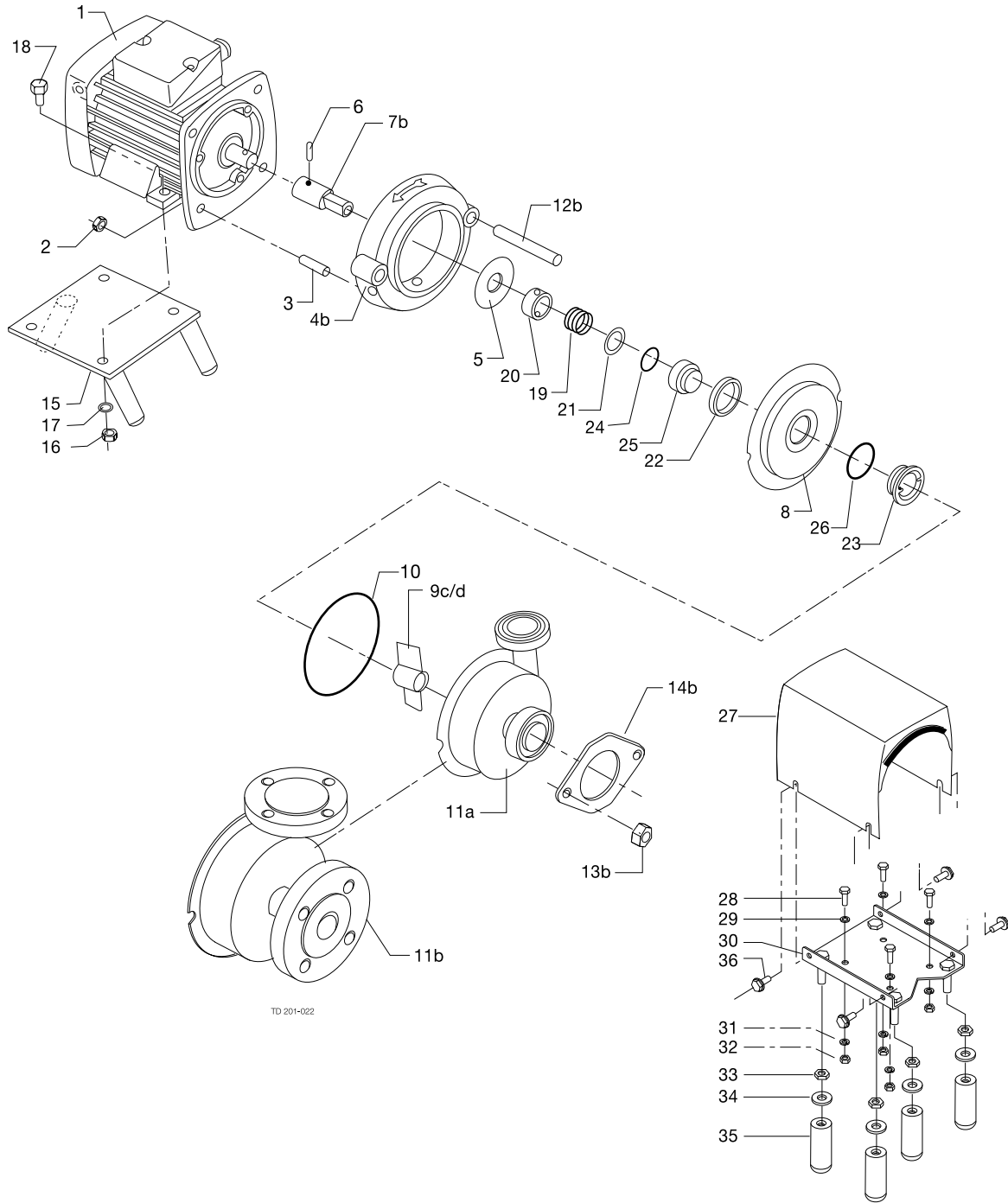
GM-1 & 2

**Service kit**

Service kit, NBR.	9611921046
Service kit, EPDM.	9611921047
Service kit, FPM.	9611921048
Service kit, PTFE.	9611921049

Recommended spare parts: service kits.

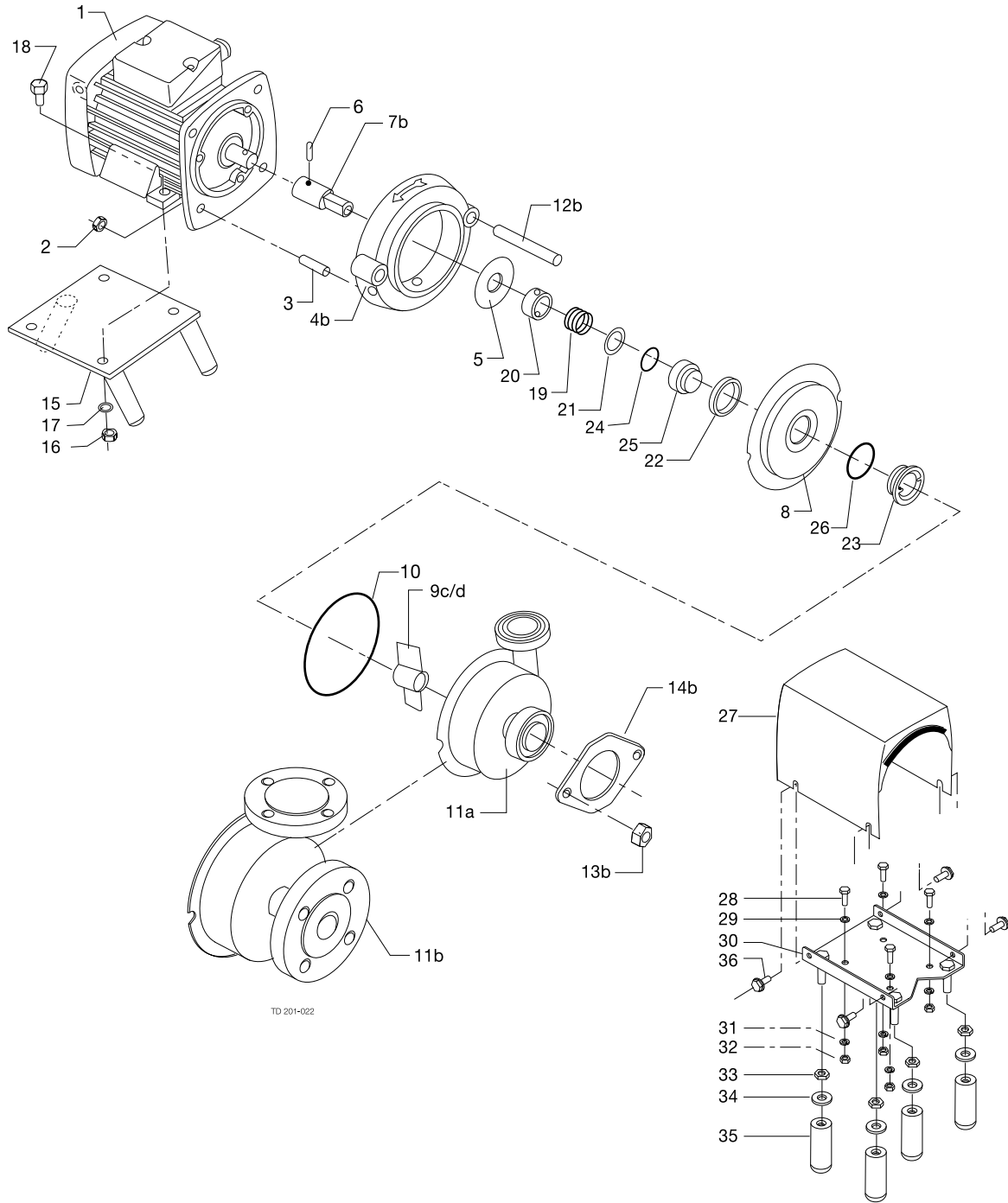
(900451/5)





Pos	Qty	Denomination	GM-1A & 2A
1	1	Motor IEC71, 3000rpm	3180124611
2	4	Nut, (period -2008)	221804303
	4	Nut, (period 2008-)	9611990360
3	4	Stud bolt, (period -2008)	221622103
	4	Stud bolt, (period 2008 -)	9611992168
4b	1	Adaptor, (period 2008 -)	3145600401
	1	Adopter, (period 2008 -)	3145600402
5	1	Thrower	3143700381
6	1	Tubular spring pin	22211920
7b	1	Pump shaft	3145600441
8	1	Back plate	3145600351
9c	1	Impeller GM-1A, ø95 mm, (Standard) (AISI 316)	9612186802
	1	Impeller, GM-1A, 4 bladed, ø95 mm	9612355001
9d	1	Impeller GM-2A, ø115 mm, (Standard) (AISI 316)	9612186801
	1	Impeller, GM-2A, 4 bladed, ø115 mm	9612354901
10	1	O-ring, NBR (Standard)	22341275
	1	O-ring, EPDM	223412175
	1	O-ring, FPM	22341276
	1	O-ring, PTFE	3145600601
<b>Pump casing with sanitary fittings 38 mm inlet and outlet</b>			
11a	1	ISO male	3145600501
	1	SMS	3145600502
	1	DIN	3145600503
	1	ISO clamp	3145600504
	1	BS	3145600505
11b	1	Pump casing with flanges DN 32 inlet/DN 25 outlet	
12b	2	Stud bolt, (period -2008)	9612363505
	2	Stud bolt, (period 2008-)	9611992994
13b	2	Cap nut, (period -2008)	110102
	2	Cap nut, (period 2008-)	9611992107
14b	1	Yoke	3145700501
15	1	Legs, complete (Not standard)	3145600281
16	4	Nut	221804302
17	4	Washer	22310148
18	4	Screw	221093501
22	1	Nut	3143701201
<b>Shroud and legs</b>			
27	1	Shroud complete	3145601311
28	4	Screw	9611990456
29	4	Washer	9611990752
30	1	Mounting frame complete	3145601321
31	4	Washer	22310725
32	4	Nut	9611990252
33	4	Nut	9611991829
34	4	Washer	3146001041
35	4	Legs	3146012481
36	4	Screw	9611993240
<b>Optional extras:</b>			
	1	Shroud and legs kit	9611921044

\* Sometimes reduced impeller diameter. Check the diameter of the original impeller.



Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
	□	Shaft seal, complete	9612439101	9612439103	9612439104	9612439102
19	1	Spring				
20	1	Spacer				
21	1	Washer				
23	1	Stationary seal ring SiC.				
24	1	O-ring				
25	1	Rotating seal ring				
26	1	Seal				

Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
<b>Alternatives</b>						
		Shaft seal, complete	9612439105	9612439107	9612439108	9612439106
19	1	Spring				
20	1	Spacer				
21	1	Washer				
23	1	Stationary seal ring SiC.				
24	1	O-ring				
25	1	Rotating seal ring SiC.				
26	1	Seal				

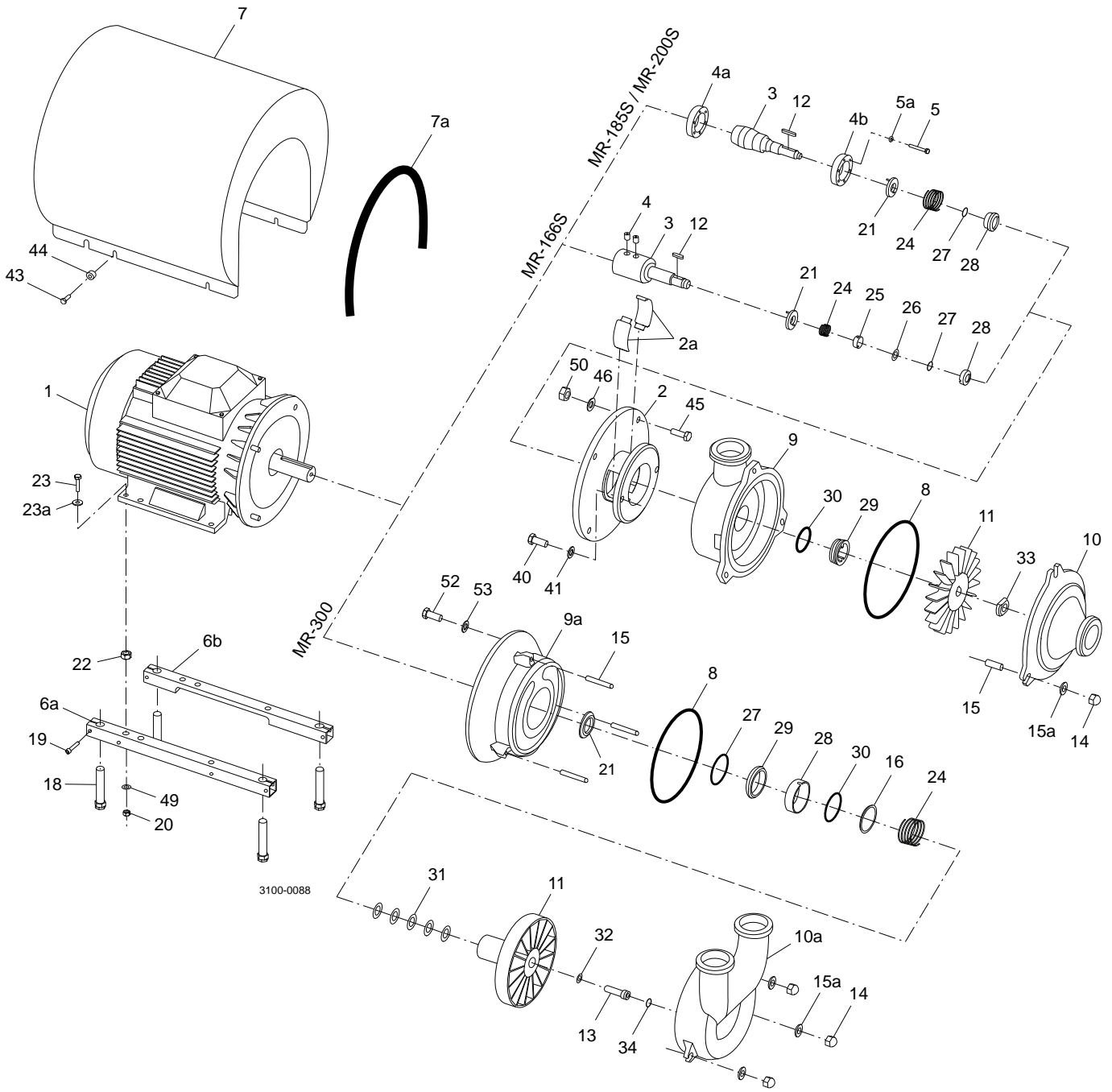
GM-1A & 2A

**Service kit**

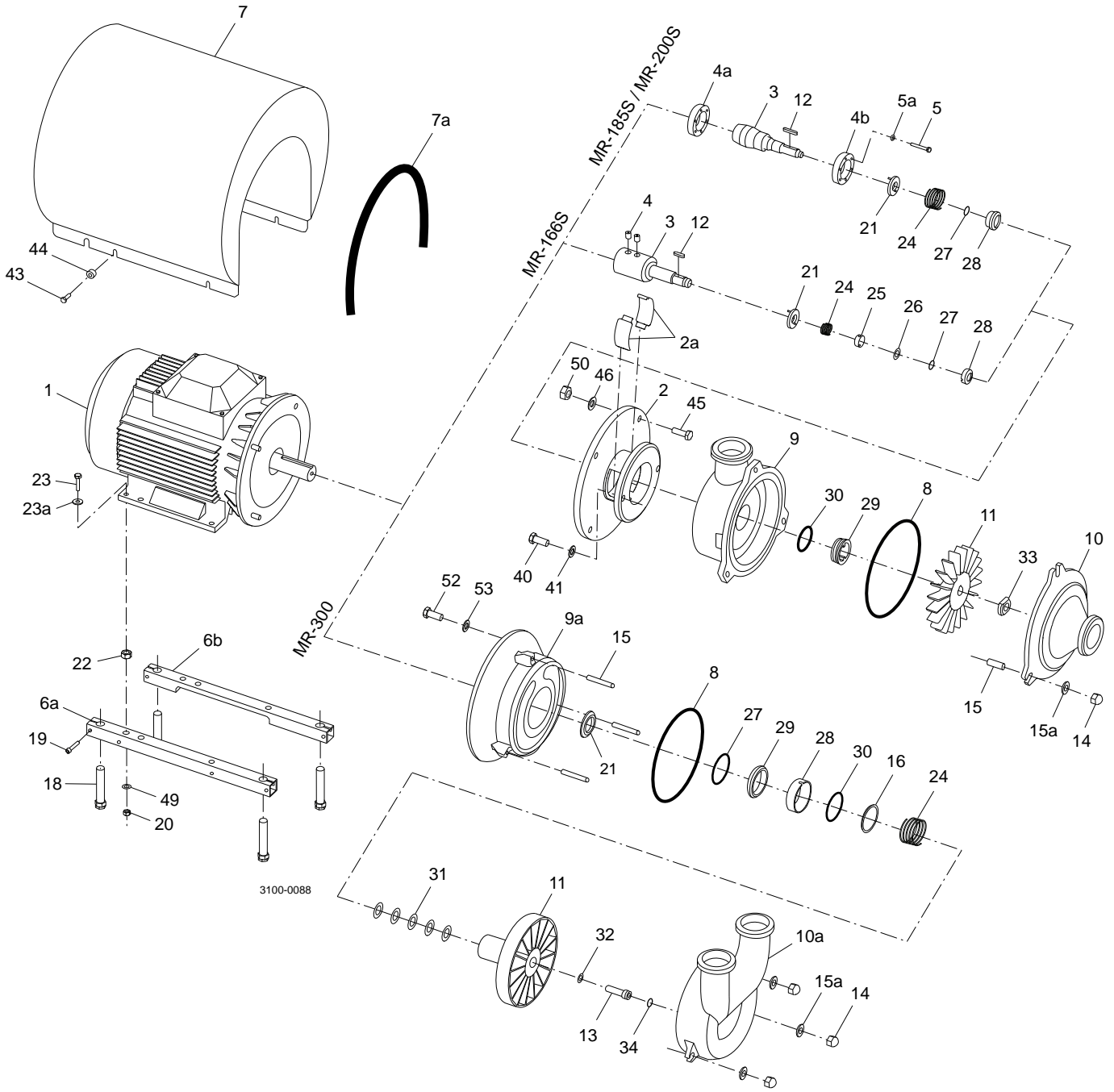
Service kit, NBR.	9611921046
Service kit, EPDM.	9611921047
Service kit, FPM.	9611921048
Service kit, PTFE.	9611921049

Recommended spare parts: service kit.

(900155/3)



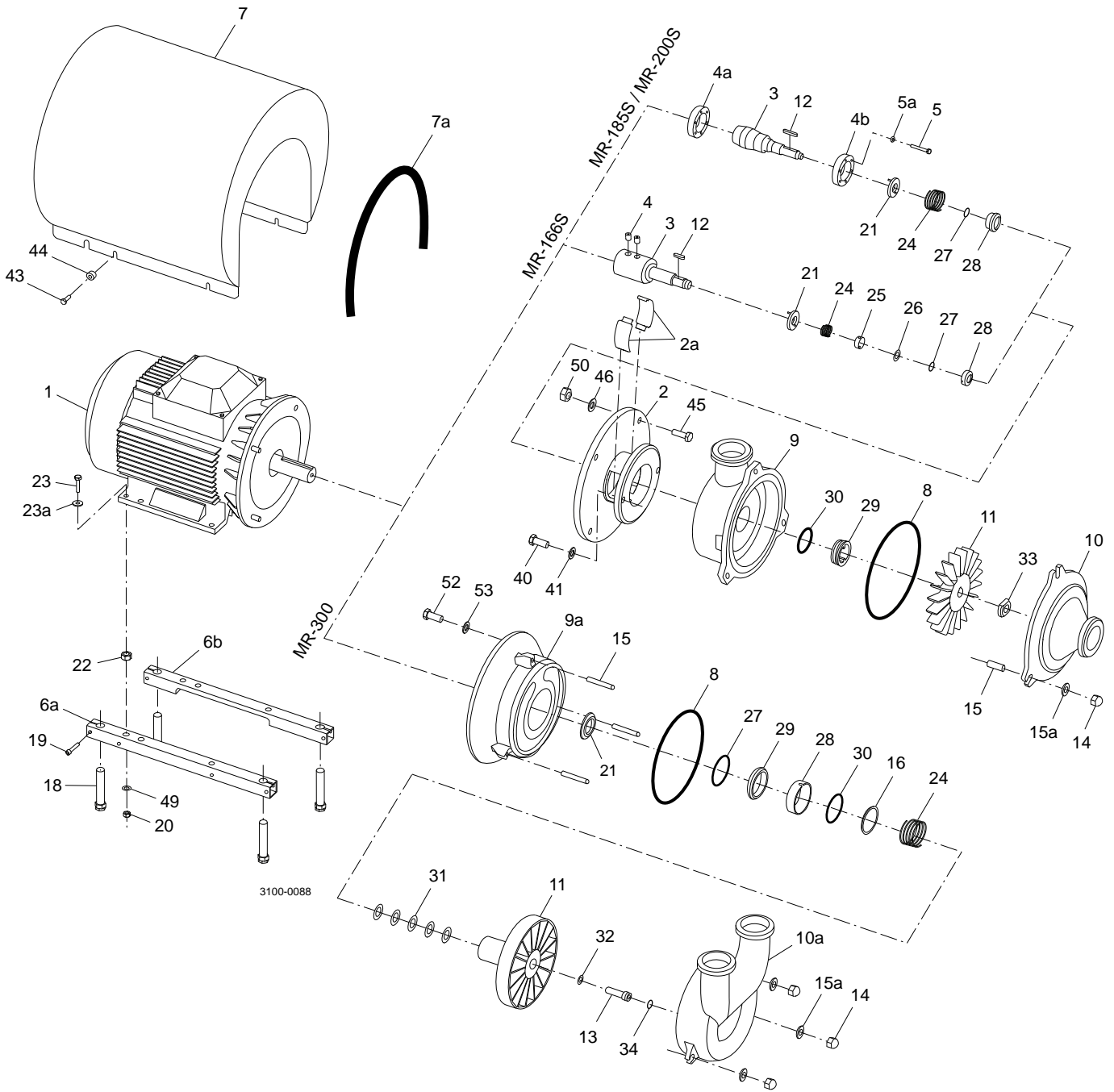
Pos	Qty	Denomination	MR-166S	MR-185S	MR-200S	MR-200S	MR-300	MR-300
			IEC100	IEC132	IEC132	IEC160	IEC160	IEC180
9	1	Pump casing						
		Pump casing						
		ISO male	3143803961	3143803931	3143803931	3143803931		
		SMS	3143803962	3143803932	3143803932	3143803932		
		DIN		3143803933	3143803933	3143803933		
		ISO clamp	3143803964	3143803934	3143803934	3143803934		
		BS	3143803965	3143803935	3143803935	3143803935		
9a	1	Pump casing					3143803411	3143803411
10	1	Casing cover						
		ISO male	3143803951	3143803921	3143803941	3143803941		
		SMS	3143803952	3143803922	3143803942	3143803942		
		DIN		3143803923	3143803943	3143803943		
		ISO clamp	3143803954	3143803924	3143803944	3143803944		
		BS	3143803955	3143803925	3143803945	3143803945		
10a	1	Casing cover						
		ISO male					3143803422	3143803422
		SMS					3143803423	3143803423
		DIN						
		ISO clamp						
		BS					3143803425	3143803425
8	□Δ	1 O-ring, EPDM (Standard)						
		1 O-ring, NBR						
		1 O-ring, FPM						
11	1	Impeller	3143801702	3143800341	3143800341	3143800341	3143803441	3143803442
33	1	Impeller nut	3144200131	3143800361	3143800361	3143800361		
13		Impeller screw					3143803451	3143803451
32	1	Washer for impeller screw					9611991746	9611991746
31	1-2	Shims, 0.1 mm					3146000124	3146000125
	4-5	Shims, 0.5 mm					3146000114	3146000115
34	□	1 O-ring, EPDM (Standard)						
		1 O-ring, NBR						
		1 O-ring, FPM						
14	3	Cap nut	22185115	22185115	22185115	22185115	22185115	22185115
15	3	Stud bolt	9611992408	9611992408	9611992408	9611992408	9611992994	9611992994
15a	3	Washer	9611990706	9611990706	9611990706	9611990706	9611990706	9611990706
21	1	Thrower	3145200041	3143800451	3143800451	3143800451	3146003752	3146003751



Pos	Qty	Denomination	MR-166S	MR-185/200S	MR200S	MR300	MR300
			IEC100	IEC132	IEC160	IEC160	IEC180
2	1	Bracket	9613856801	9613857301	9615208701		
2a	2	Bracket cover	9612916803	9612916803	9612916803		
3	1	Shaft	9612633101	3143802361	9615207301		
12	1	Key	190337	190411	190411		
4	2	Screw	9612587502				
4a	1	Compression ring		9612133705	9612133603		
4b	1	Compression ring		9612133605	9612133703		
5	6	Screw		9611993197	9611993198		
5a	6	Washer		9611993199	9611993199		
7	1	Shroud complete	9614192203	9612139008	9612139005	9612139005	9612139006
7a	1	Edge list, (included in pos.5)					
6a	1	Support bar, right	9612132205	9612132206	9612132203	9612132203	9612132204
6b	1	Support bar, left	9612132305	9612132306	9612132303	9612132303	9612132304
18	4	Legs	9612396701	9612396701	9612396701	9612396701	9612396701
43	4	Screw	9611993240	9611993240	9611993241	9611993241	9611993243
44	4	Distance sleeve	9611992737	9611992737	3143803902	3143803902	3143803901
19	4	Screw	9611991907	9611991126	9611991126	9611991126	9611991126
20	4	Nut	9611990353	9611990353	9611990587	9611990587	9611990587
49	4	Spring washer	9611991887	9611991887	9611990676	9611990676	9611990676
22	4	Nut	9611990587				
23	4	Screw	961199324	9611991911	9611991834	9611991834	9611991834
23a	4	Washer	9611990786	9611990786	9611990706	9611990706	9611990706
46	4	Washer	9611991887	9611990676	9611991886	9611991886	
50	4	Nut	9611990353	9611990587	9611992160	9611992160	
45	4	Screw	9611991834	9611992162	9611992163	9611992163	
40	2	Screw	9611994413	9611994413	9611994413		
41	2	Spring washer	9611994417	9611994417	9611994417		
52	4	Screw				9611992511	9611992511
53	4	Spring washer				9611991886	9611991886

Pos	Qty	Denomination	MR-166S	MR-185S	MR-200S	MR200S	MR300	MR300
			2.2kW IEC100	5.5kW IEC132	7.5kW IEC132	11kW IEC160	15kW IEC160	18.5kW IEC180
1	1	Motor ABB, 1500rpm	9614303020	9614303023	9614303024	9614303025	9614303026	9614303027

3 ~, 50 Hz, 230VD/400VY - Standard ≤ 22 kW and 400VD/690VY Standard > 22 kW  
 3 ~, 60 Hz, 220VD/440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW



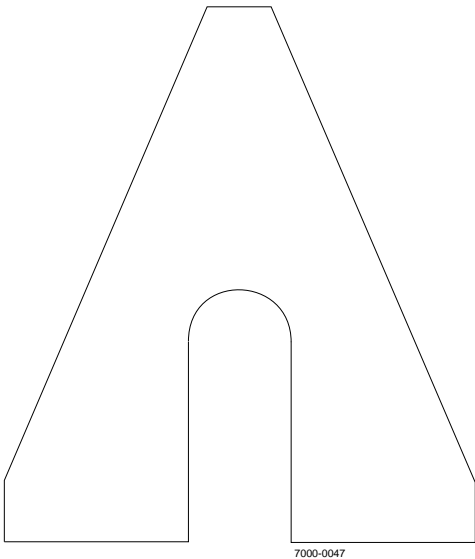


Pos	Qty	Denomination	MR-166S/ 185S/ 200S		MR-300
	1	Spanner for stationary seal ring	3143803351		
	1	Key for hexagonal socket		66884	
	1	Impeller tool		3146000501	
	1	Shaft seal tool		3146004161	
Pos	Qty	Denomination	MR-166S	MR-185S/ 200S	MR-300
□		Shaft seal, complete C/SS, EPDM (Standard)	3143802071	3143802061	3143803001
24	1	Spring			
25	1	Space ring			
26	1	Washer			
27	1	O-ring			
28	1	Rotating seal ring			
29	1	Stationary seal ring			
30	1	O-ring			
16	1	Washer			
□		Shaft seal, complete C/SS, NBR	3143802072	3143802062	3143803002
24	1	Spring			
25	1	Spacer ring			
26	1	Washer			
27	1	O-ring			
28	1	Rotating seal ring			
29	1	Stationary seal ring			
30	1	O-ring			
16	1	Washer			
□		Shaft seal, complete C/SS, FPM	3143802073	3143802063	3143803003
24	1	Spring			
25	1	Spacer ring			
26	1	Washer			
27	1	O-ring			
28	1	Rotating seal ring			
29	1	Stationary seal ring			
30	1	O-ring			
16	1	Washer			
<b>Alternatives</b>					
Δ		Shaft seal, complete SiC/SiC, EPDM		3143802064	
25	1	Spring			
26	1	O-ring			
27	1	Rotating seal ring SiC.			
28	1	Stationary seal ring SiC.			
29	1	O-ring			
Δ		Shaft seal, complete SiC/SiC, NBR		3143802065	
25	1	Spring			
26	1	O-ring			
27	1	Rotating seal ring SiC.			
28	1	Stationary seal ring SiC.			
29	1	O-ring			
Δ		Shaft seal, complete SiC/SiC, FPM		3143802066	
25	1	Spring			
26	1	O-ring			
27	1	Rotating seal ring SiC.			
28	1	Stationary seal ring SiC.			
29	1	O-ring			
			MR-166S	MR-185S/ 200S	MR-300
□		<b>Service kit, C/SS EPDM</b>	<b>9611921078</b>	<b>9611921081</b>	<b>9611921084</b>
□		<b>Service kit, C/SS NBR</b>	<b>9611921079</b>	<b>9611921082</b>	<b>9611921085</b>
□		<b>Service kit, C/SS FPM</b>	<b>9611921080</b>	<b>9611921083</b>	<b>9611921086</b>
Δ		<b>Service kit, SiC/SiC EPDM</b>		<b>8010014933</b>	
Δ		<b>Service kit, SiC/SiC NBR</b>		<b>8010014934</b>	
Δ		<b>Service kit SiC/SiC FPM</b>		<b>8010014935</b>	

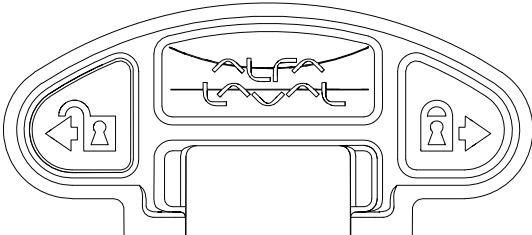
Parts marked with □Δ are included in the service kits.

Recommended spare parts: Service kits.

(900692/5)



Impeller clearance setting tool

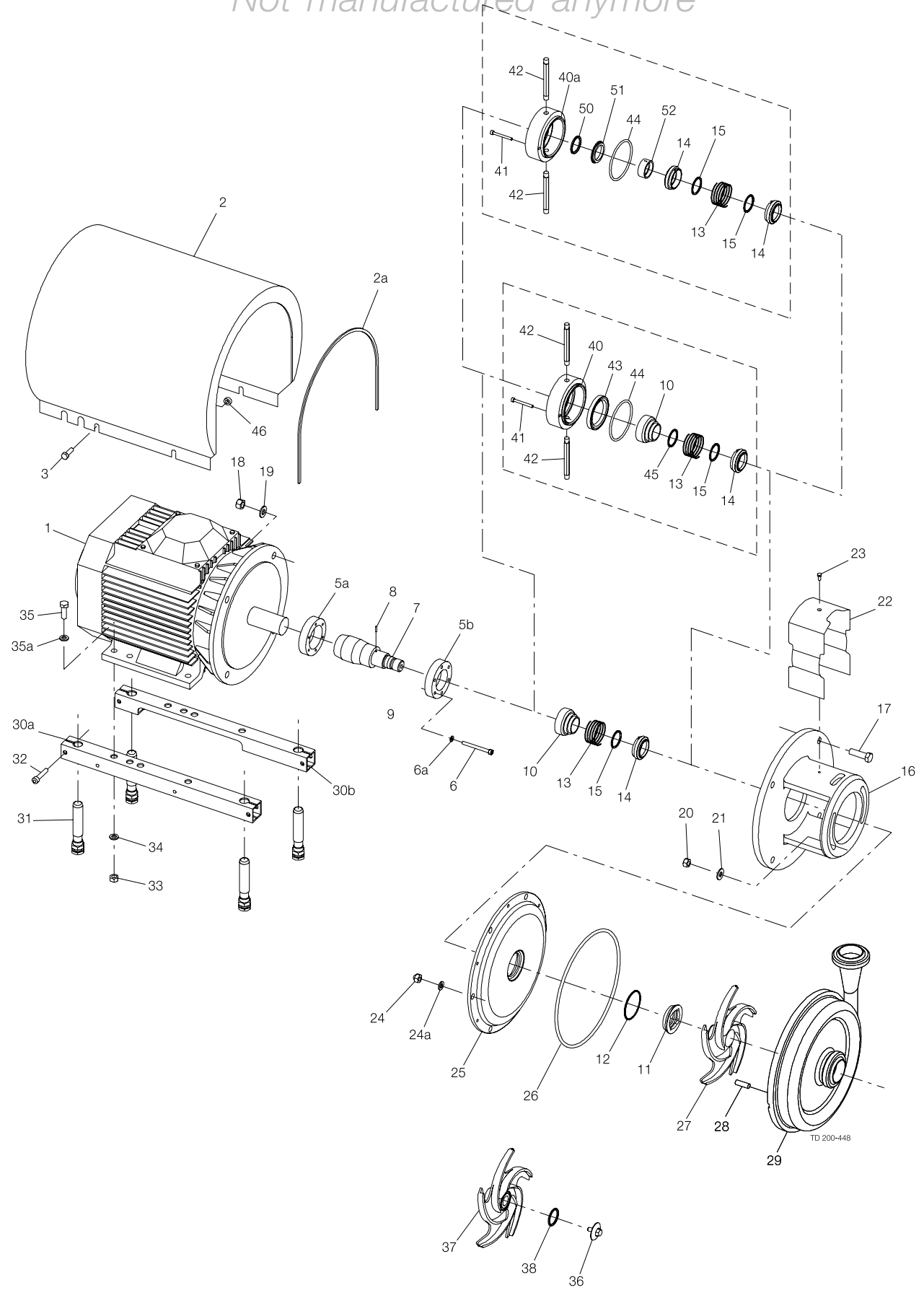


Stationary seal installation tool

Pos	Qty	Denomination	
<b>Stationary seal installation tool</b>			
	1	Stationary seal installation tool (LKH 5 to 60) SolidC 1-4	9612903601
	1	Stationary seal installation tool (LKH 70 and 80)	9612903701
<b>Impeller clearance setting tool*</b>			
	1	Impeller clearance setting tool*, 1 mm (0.040") thickness (green)	9613601680
	1	Impeller clearance setting tool*, 0.5 mm (0.020") thickness (yellow)	88334838

\* = refer to instruction manual for the proper size for your pump.

*Not manufactured anymore*



Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
1	1	Motor, 220/240 VD MBT . . .	9612402815	9612402830	3180101221	3180111941	3180118671	3180118681
	1	Motor, 220/240 VD MBT . . .	*3180118651	*3180118661				
	1	Motor, 380/420 VD M2AA . . .	9612402817	9612402832	3180101223	3180111943	3180118673	3180118683
2	1	Motor, 380/420 VD MBT . . .	*3180118653	*3180118663				
	1	Shroud, (period 9310-) . . .	9612139008	9612139008				
2a	1	Shroud, (*period 9009-9310) . . . . .	*9612139004	*9612139004	9612139005	9612139005	9612139005	9612139006
	1	Edge list, (Included in pos. 2) . . . . .						

\* MBT motor (period 9009-9310). Not available anymore.

Pos	Qty	Denomination	5.5-7.5 kw	11-18.5 kw	22 kw
3	4	Screw . . . . .	9611993240	9611993241	22103603
5a	1	Compression ring with thread . . . . .	9612133605	9612133603	9612133604
5b	1	Compression ring without thread . . . . .	9612133705	9612133703	9612133704
6	6	Screw . . . . .	9611993197	9611993198	9611993198
6a	6	Washer . . . . .	9611993199	9611993199	9611993199
7	1	Shaft with internal/external thread and pin, (pos.8) . . . . .	9612132602	9612132702	9612132802
8	1	Connex pin . . . . .	9611990622	9611990622	9611990622
10	1	Drive ring, Single shaft seal . . . . .	9612137701	9612137701	9612137701
	1	Drive ring, Flushed shaft seal . . . . .	9612139701	9612139701	9612139701
16	1	Adaptor, Stainless steel . . . . .	9612342501	9612342601	9612342601
17	4	Screw for adaptor . . . . .	9611992162	9611992163	9611992164
18	4	Nut for adaptor . . . . .	9611990587	9611992160	9611992160
19	4	Washer for adaptor . . . . .	9611990676	9611991886	9611991886
20	2	Nut . . . . .	9611990353	9611990353	9611990353
21	2	Washer . . . . .	9611992559	9611992559	9611992559
22	1	Bracket shield . . . . .	9612131107	9612131108	9612131108
23	1	Screw for bracket shield . . . . .	9611993239	9611993239	9611993239
24	6	Cap nut, (period 9211-) . . . . .	9611992593	9611992593	9611992593
24a	6	Handle, (period -9210) . . . . .	9611992303	9611992303	9611992303
	6	Washer, (period 9211-) . . . . .	9611991887	9611991887	9611991887
25	1	Back plate . . . . .	9612138406	9612138406	9612138406
26	□♦○*	Joint ring, EPDM (standard) . . . . .	9611992171	9611992171	9611992171
	□♦○*	Joint ring, NBR . . . . .	9611992173	9611992173	9611992173
	□♦○*	Joint ring, FPM . . . . .	9611992172	9611992172	9611992172
	□♦○*	Joint ring, FEP . . . . .	9611992174	9611992174	9611992174
27	1	Impeller . . . . .	9612131607	9612131601	9612131601
28	6	Bolt . . . . .	9611992169	9611992169	9611992169
29	1	Pump casing, IDF . . . . .	9612139811	9612139811	9612139811
	1	Pump casing, SMS . . . . .	9612139812	9612139812	9612139812
	1	Pump casing, DIN . . . . .	9612139813	9612139813	9612139813
	1	Pump casing, ISO . . . . .			
	1	Pump casing, BS . . . . .	9612139815	9612139815	9612139815
	1	Pump casing, flange DN65/DN50 . . . . .	9612138003	9612138003	9612138003

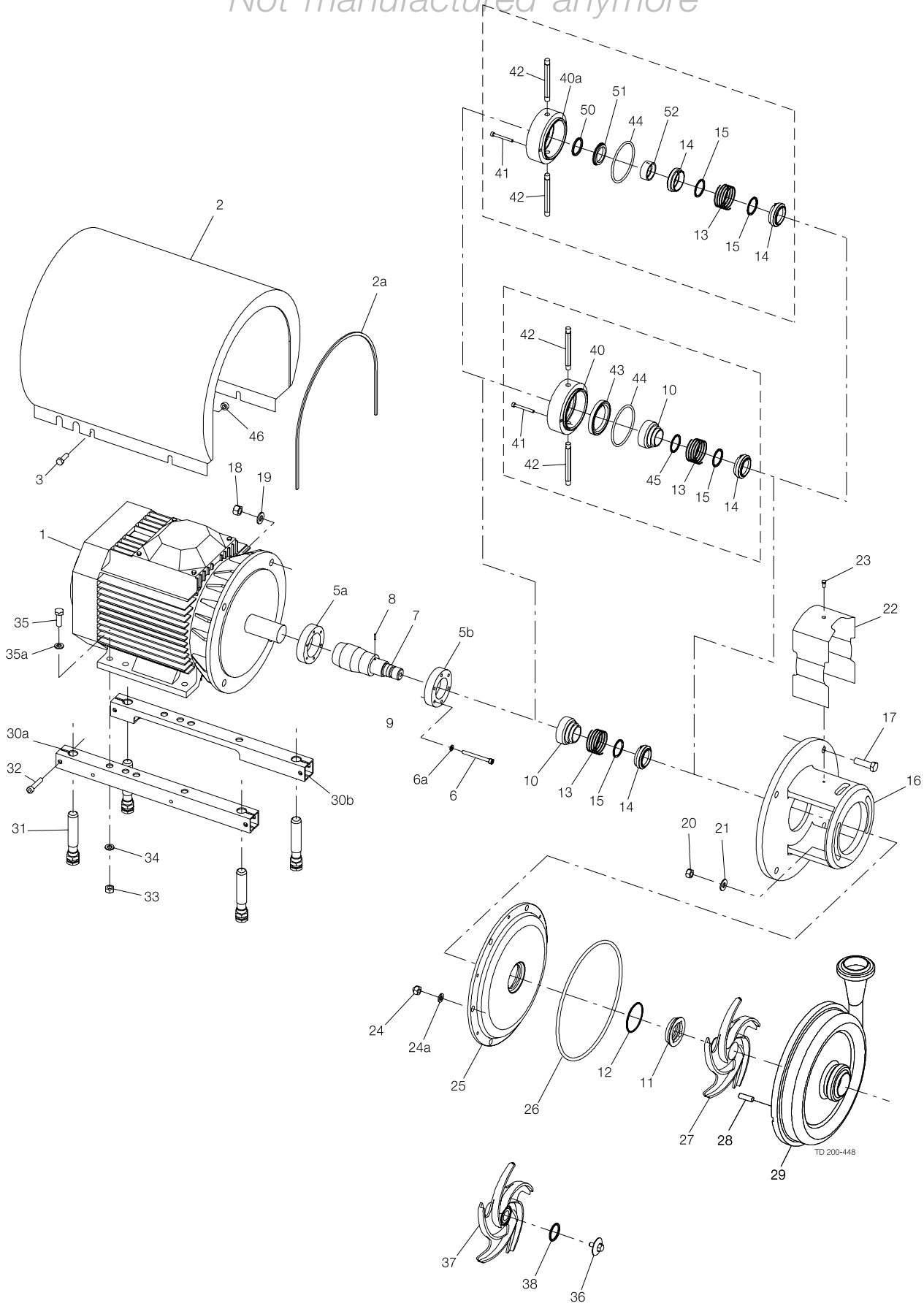
**Legs**

30a	1	Support bar, right, (period 9310-) . . . . .	9612132206		
	1	Support bar, right, (*period 9009-9310) . . . . .	*9612132202	9612132203	9612132204
30b	1	Support bar, left, (period 9310-) . . . . .	*9612132306		
	1	Support bar, left, (*period 9009-9310) . . . . .	*9612132302	9612132303	9612132304
31	4	Leg . . . . .	9612396701	9612396701	9612396701
32	4	Screw, (period 9711-) . . . . .	9611990273	9611990273	9611990273
	4	Screw, (period -9711) . . . . .	9611991907	9611991907	9611991907
33	4	Nut . . . . .	9611990353	9611990587	9611990587
34	4	Spring washer . . . . .	9611991887	9611990676	9611990676
35	4	Screw . . . . .	9611991911	9611991834	9611991834
35a	4	Washer . . . . .	9611990786	9611990706	9611990706
46	4	Distance sleeve . . . . .	3143803902	3143803901	
	4	Distance sleeve, for M2AA motor (period 9310-) . . . . .	9611992737		

**Alternatives**

36	1	Impeller screw . . . . .	9612139601	9612139601	9612139601
37	1	Impeller for impeller screw . . . . .	9612131608	9612131602	9612131602
38	♦♦	O-ring, EPDM . . . . .	9611992145	9611992145	9611992145
	♦♦	O-ring, NBR . . . . .	9611992147	9611992147	9611992147
	♦♦	O-ring, FPM . . . . .	9611992146	9611992146	9611992146
	♦♦	O-ring, FEP . . . . .	9611992148	9611992148	9611992148

*Not manufactured anymore*



**Pos Qty Denomination 7.5-22 kw**

**Parts for flushed shaft seal**

40	1	Seal housing . . . . .	9612133901
41	2	Screw for seal housing . . . . .	9611990203
42	2	Pipe . . . . .	9612358901
43	1	Lip seal . . . . .	3144600882
44	1	O-ring for seal housing . . . . .	9611992153
45	1	O-ring for drive ring . . . . .	9611992145

**Alternatives**

**Shaft seal complete EPDM**

11	1	Stationary seal ring, SiC . . . . .	
12	1	O-ring, EPDM . . . . .	
13	1	Spring . . . . .	
14	1	Rotating seal ring, SiC . . . . .	
15	1	O-ring, EPDM . . . . .	

**Shaft seal complete NBR**

11	1	Stationary seal ring, SiC . . . . .	
12	1	O-ring, NBR . . . . .	
13	1	Spring . . . . .	
14	1	Rotating seal ring, SiC . . . . .	
15	1	O-ring, NBR . . . . .	

**Shaft seal complete FPM**

11	1	Stationary seal ring, SiC . . . . .	
12	1	O-ring, FPM . . . . .	
13	1	Spring . . . . .	
14	1	Rotating seal ring, SiC . . . . .	
15	1	O-ring, FPM . . . . .	

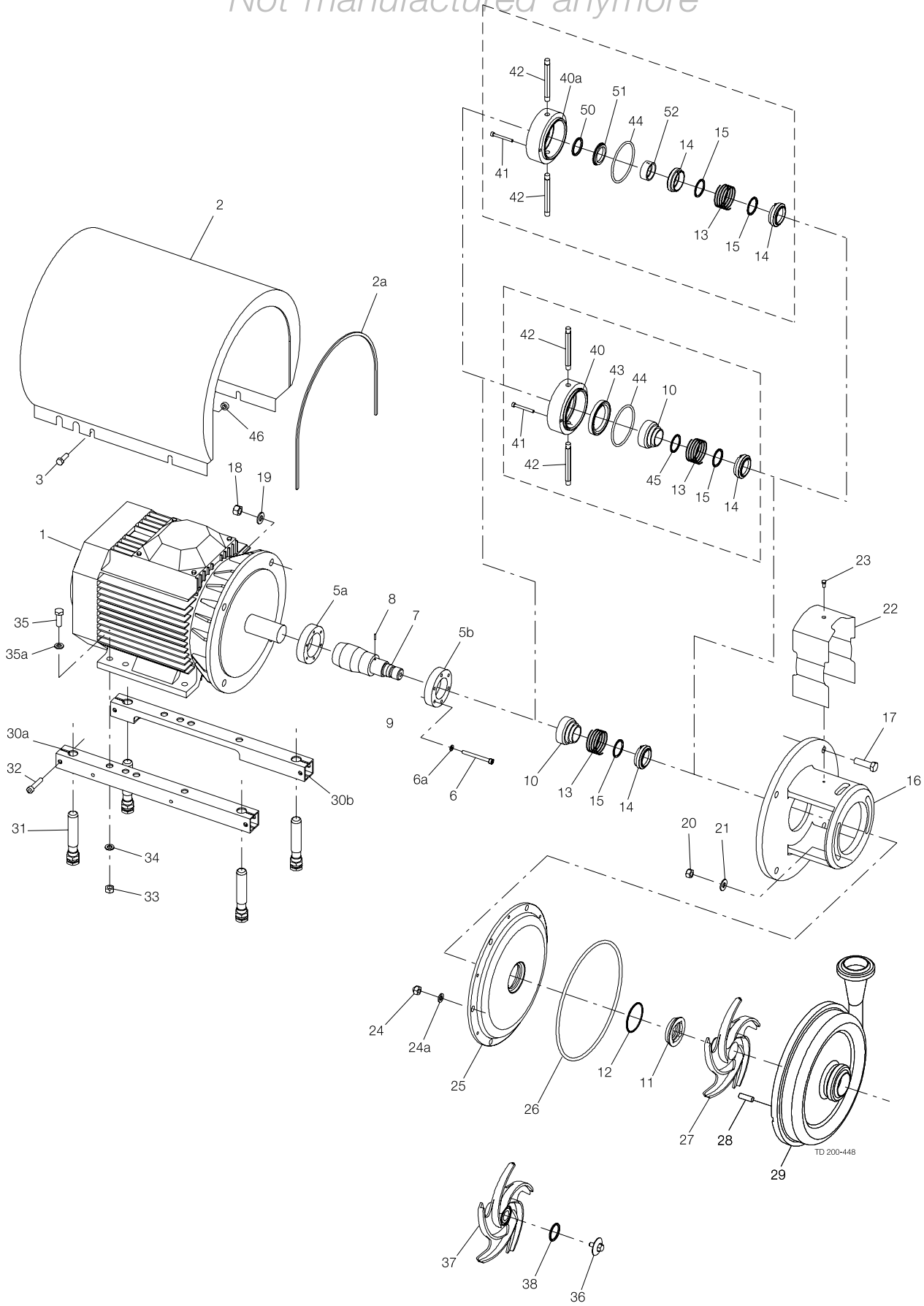
**Shaft seal complete FEP**

11	1	Stationary seal ring, SiC . . . . .	
12	1	O-ring, FEP . . . . .	
13	1	Spring . . . . .	
14	1	Rotating seal ring, SiC . . . . .	
15	1	O-ring, FEP . . . . .	

**Accessories**

1	1	Tool complete . . . . .	
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*Not manufactured anymore*





7.5-22 kw**Service kit for single shaft seal**

Service kit, EPDM	9611922088
Service kit, NBR	9611922089
Service kit, FPM	9611922090
Service kit, FEP	9611922091

**Service kit for single shaft seal and impeller screw**

Service kit, EPDM	9611922130
Service kit, NBR	9611922131
Service kit, FPM	9611922132
Service kit, FEP	9611922133

**Service kit for flushed shaft seal**

Service kit, EPDM	9611922092
Service kit, NBR	9611922093
Service kit, FPM	9611922094
Service kit, FEP	9611922095

**Service kit for flushed shaft seal and impeller screw**

Service kit, EPDM	9611922134
Service kit, NBR	9611922135
Service kit, FPM	9611922136
Service kit, FEP	9611922137

Parts marked with **□♦○★** are included in the service kits.

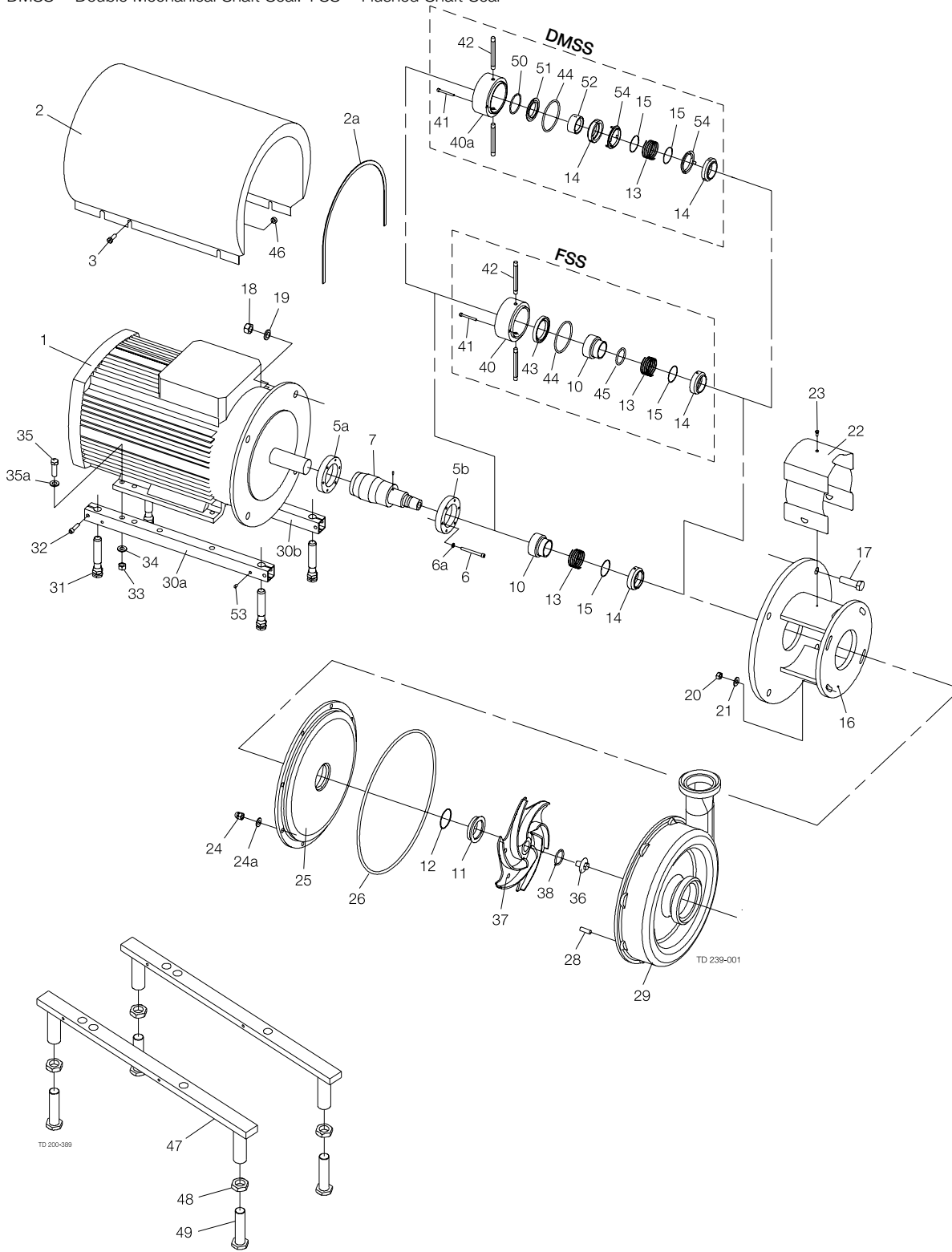
Recommended Spare Parts: Service kits.

Conversion kit - single to double mechanical shaft seal: Please order double mechanical service kit + pos. 40a+41+42 (for LKH-85 pos 40a+41+42a).

Conversion kit single to flushed shaft seal: Please order Flushed service kit + pos. 10+40+41+42 (for LKH85 pos. 10+40+41+42a).

*Not manufactured anymore*

DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal



Legs for motor sizes 55-75 kW

Pos	Qty	Denomination	35.5 kW	37.5 kW	11 kW	15 kW	18.5 kW	22 kW
1	1	Motor, <sup>1)</sup> ABB . . . . .	9612402821	9612402837	3180101223	3180111943	9612345414	
	1	Motor, <sup>2)</sup> ABB . . . . .	9612402823	9612402835	3180101221	3180111941	9612345413	
	1	Motor, <sup>1)</sup> BROOK (period -0602) . . . . .						
	1	Motor, <sup>2)</sup> BROOK (period -0602) . . . . .						
	1	Motor, ABB <sup>2)</sup> (period 0910-) . . . . .						9612345421
	1	Motor, ABB <sup>3)</sup> period 0910-) . . . . .						9612345422
	1	Motor, ABB <sup>2)</sup> (period -0910) . . . . .						9612345416
1	Motor, ABB <sup>3)</sup> period -0910) . . . . .						9612345415	
2	1	Shroud, (period 9907-) . . . . .	9612139008	9612139008	9612139005	9612139005	9612139005	9612139006
2a	1	Edge list, (included in pos. 2) . . . . .						

Pos	Qty	Denomination	30 kW	37 kW	45 kW	55 kW	75 kW
1	1	Motor, <sup>1)</sup> ABB . . . . .	9612345404	9612345406	9612345408	9612345410	9612345412
	1	Motor, <sup>2)</sup> ABB . . . . .	9612345403	9612345405	9612345407	9612345409	9612345411
	1	Motor, <sup>1)</sup> BROOK (period -0602) . . . . .	9612605502	9612605504	9612605506	9612605508	9612605510
	1	Motor, <sup>2)</sup> BROOK (period -0602) . . . . .	9612605501	9612605503	9612605505	9612605507	9612605509
2	1	Shroud, (period 9907-) . . . . .	9612593801	9612593801	9612593801	9612593804	9612593804
2a	1	Edge list, (included in pos. 2) . . . . .					

1) 3~,50Hz, 380-420VΔ/660-690VY -standard  
 3~,60Hz, 440-480VΔ -standard  
 3) Half speed

2) 3~,50Hz, 220-240VΔ/380-420VY -Option  
 3~,60Hz, 250-280VΔ/440-480VY -Option

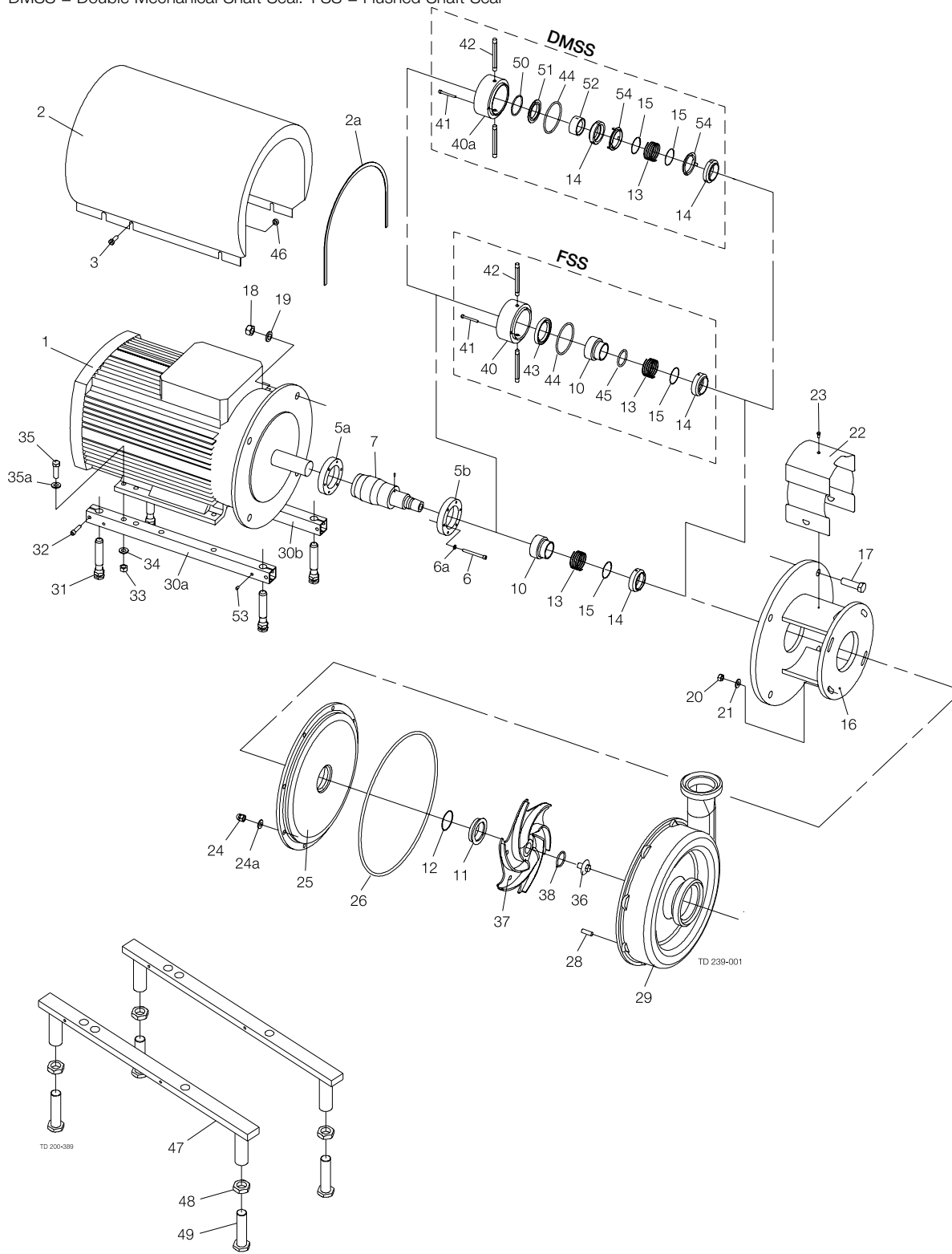
Pos	Qty	Denomination	35.5-7.5 kW	11-18.5 kW	22 kW	30-37 kW	45 kW	55-75 kW
3	4	Screw . . . . .	9611993240	9611993241	9611993243	9611993243	9611993243	9611993243
5a	1	Compression ring with thread . . . . .	9612133605	9612133603	9612133604	9612133607	9612133607	9612133608
5b	1	Compression ring without thread . . . . .	9612133705	9612133703	9612133704	9612133707	9612133707	9612133708
6	6	Screw . . . . .	9611993197	9611993198	9611993198	9611993198	9611993198	9611993266
6a	6	Washer . . . . .	9611993199	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft, with pin (pos.8) (020321-) . . . . .	9612614703	9612512603	9612512303	9612512203	9612512203	9612501003
	1	Shaft, with pin (pos.8) (-020321) . . . . .		9612512601	9612512301	9612512201	9612512201	9612501001
10	1	Drive ring . . . . .	9612514901	9612514901	9612514901	9612514901	9612514901	9612514901
16	1	Adaptor . . . . .	9612614601	9612511901	9612511901	9612511801	9612511801	9612500801
17	4	Screw for adaptor . . . . .	9611992162	9611992163	9611992164	9611992164	9611992164	9611992200
18	4	Nut for adaptor . . . . .	9611990587	9611992160	9611992160	9611992160	9611992160	9611992160
19	4	Washer for adaptor . . . . .	9611990676	9611991886	9611991886	9611991886	9611991886	9611991886
20	4	Nut . . . . .	9611990353	9611990353	9611990353	9611990353	9611990353	9611990353
21	4	Washer . . . . .	9611992559	9611992559	9611992559	9611992559	9611992559	9611992559
22	1	Safety guard . . . . .	9612514506	9612514503	9612514503	9612514503	9612514503	9612514504
23	1	Screw for safety guard . . . . .	9611993239	9611993239	9611993239	9611993239	9611993239	9611993239
24	8	Cap nut . . . . .	9611992593	9611992593	9611992593	9611992593	9611992593	9611992593
24a	8	Spring washer . . . . .	9611991887	9611991887	9611991887	9611991887	9611991887	9611991887
25	1	Back plate . . . . .	9612514602	9612514602	9612514602	9612514602	9612514602	9612514602
26	1	O-ring, EPDM (standard) . . . . .	9611993396	9611993396	9611993396	9611993396	9611993396	9611993396
	1	O-ring, NBR . . . . .	9611993397	9611993397	9611993397	9611993397	9611993397	9611993397
	1	O-ring, FPM . . . . .	9611993398	9611993398	9611993398	9611993398	9611993398	9611993398
	1	O-ring, FEP . . . . .	9611993399	9611993399	9611993399	9611993399	9611993399	9611993399
28	8	Pin bolt . . . . .	9611992169	9611992169	9611992169	9611992169	9611992169	9611992169
29	1	Pump casing, ISO-clamp . . . . .						
	1	Pump casing, DIN . . . . .						
	1	Pump casing, flange DN150/DN100 . . . . .						
36	1	Impeller screw, (020321-) . . . . .	9612927101	9612927101	9612927101	9612927101	9612927101	9612927101
	1	Impeller nut, (-020321) . . . . .	9612501101	9612501101	9612501101	9612501101	9612501101	9612501101
37	1	Impeller . . . . .						
38	1	O-ring, EPDM . . . . .	9611993215	9611993215	9611993215	9611993215	9611993215	9611993215
	1	O-ring, NBR . . . . .	9611993216	9611993216	9611993216	9611993216	9611993216	9611993216
	1	O-ring, FPM . . . . .	9611993217	9611993217	9611993217	9611993217	9611993217	9611993217
	1	O-ring, FEP . . . . .	9611993218	9611993218	9611993218	9611993218	9611993218	9611993218

**Legs**

30a	1	Support bar, right . . . . .	9612132206	9612132203	9612132204	9612342201	9612342201	
30b	1	Support bar, left . . . . .	9612132306	9612132303	9612132304	9612342201	9612342201	
31	4	Leg . . . . .	9612396701	9612396701	9612396701	9612396701	9612396701	
32	4	Screw . . . . .	9611990273	9611991126	9611991126	9611991907	9611991907	
33	4	Nut . . . . .	9611990353	9611990587	9611990587	9611990587	9611990587	9611990935
34	4	Spring washer . . . . .	9611991887	9611990676	9611990676	9611990676	9611990676	9611993267
35	4	Screw . . . . .	9611991911	9611991834	9611991834	9611993680	9611993680	9611993268
35a	4	Washer . . . . .	9611990786	9611990706	9611990706	9611990703	9611990703	9611993269

*Not manufactured anymore*

DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal



Legs for motor sizes 55-75 kW

Pos	Qty	Denomination	5.5-7.5 kW	11-18.5 kW	22 kW	30-37 kW	45 kW	55-75 kW
<b>Legs</b>								
46	4	Distance sleeve	9611992737	3143803902	3143803901	3143803903	3143803903	3143803901
47	2	Leg bracket						9612518401
48	4	Nut for leg						9611993260
49	4	Screw for leg						9612518501
53	4	Pivot screw				9611991763	9611991763	

Pos	Qty	Denomination	5.5-75 kW					
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**Parts for flushed shaft seal**

40	1	Seal housing						9612514401
41	2	Screw for seal housing						9611993232
42	2	Tube						9612358903

**Parts for double Mechanical shaft seal**

40a	1	Seal housing						9612591401
41	2	Screw for seal housing						9611993766

**Accessories**

	1	Tool complete						9612903701
42	2	Tube						9612358903

Surface roughness, product wetted parts: Ra ≤ 0.8 µm

Pos	Qty	Denomination	5.5-7.5 kW	11-37 kW	45-75 kW
25	1	Back plate	9612514608	9612514608	9612514608
27	1	Impeller			
29	1	Pump casing, ISO-clamp			
	1	Pump casing, DIN			
36	1	Impeller screw, (020321-)	9612927102	9612927102	9612927102
	1	Impeller nut, (-020321)	9612501102	9612501102	9612501102

C/SIC                      SIC/SIC

**Service kit for single shaft seal**

Service kit, EPDM	□	9611922843	✦	9611922855
Service kit, NBR	□	9611922844	✦	9611922856
Service kit, FPM	□	9611922845	✦	9611922857
Service kit, FEP	□	9611922846	✦	9611922858

**Service kit for flushed shaft seal**

Service kit, EPDM	◆	9611922847	◇	9611922859
Service kit, NBR	◆	9611922848	◇	9611922860
Service kit, FPM	◆	9611922849	◇	9611922861
Service kit, FEP	◆	9611922850	◇	9611922862

**Service kit for double mechanical shaft seal**

Service kit, EPDM	★	9611922851	■	9611922863
Service kit, NBR	★	9611922852	■	9611922864
Service kit, FPM	★	9611922853	■	9611922865
Service kit, FEP	★	9611922854	■	9611922866

Parts marked with □◆★✦◇■ are included in the service kits.

Recommended Spare Parts: Service kits.

Shaft seal: See page

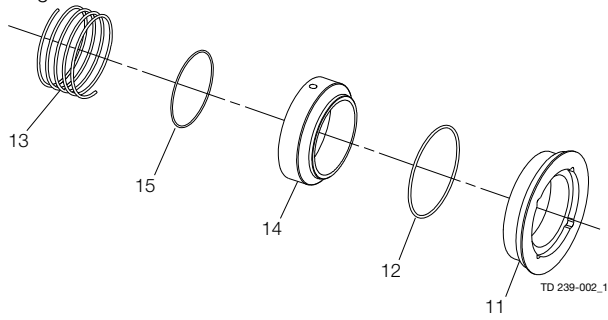
Conversion kit, single to flushed shaft seal EPDM C/SIC 9611922246 = Pos 40+41+42+43+44+45

Conversion kit, single to double mechanical shaft seal EPDM C/SIC 9611922420 = Pos.13+14+15+ 40a+41+42+44+50+51+52+54

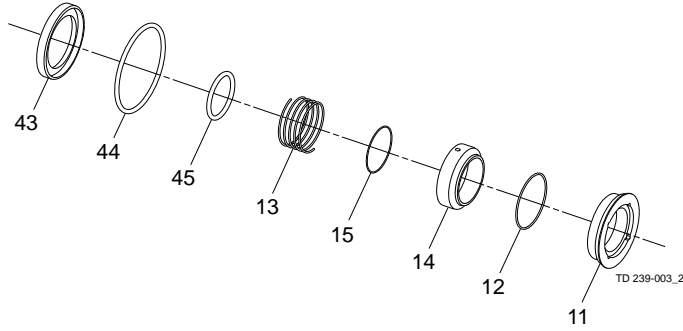
Conversion kit, flushed to double mechanical shaft seal EPDM C/SIC 9611922421 = Pos.13+14+15+ 40a+41+50+51+52+54

*Not manufactured anymore*

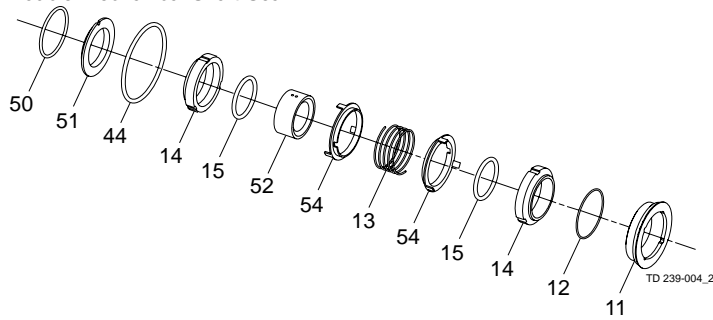
Single Shaft Seal



Flushed Shaft Seal



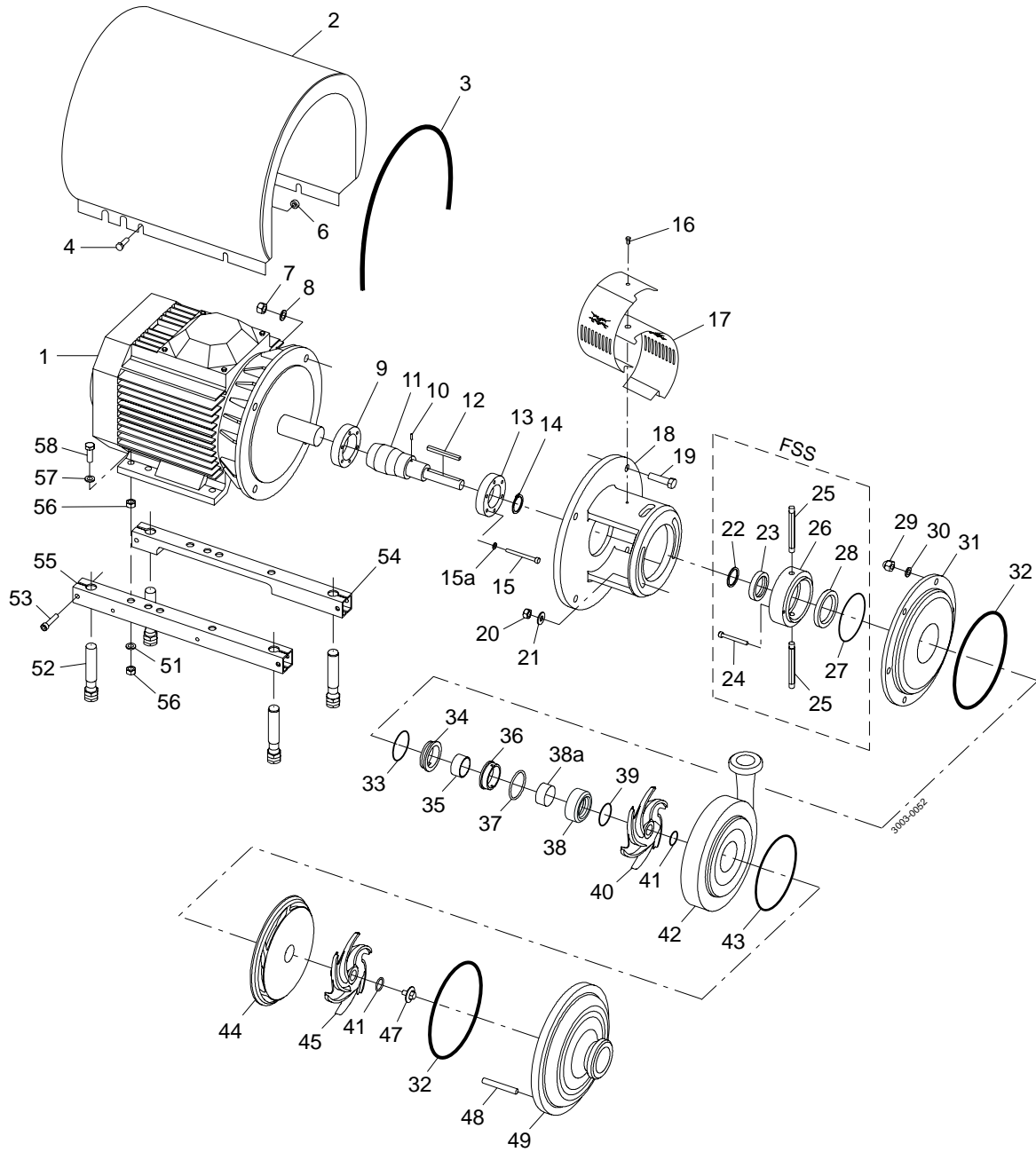
Double Mechanical Shaft Seal



Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM	FEP
<b>Shaft seal for single shaft seal</b>						
□		Complete shaft seal, EPDM	9612515101	9612515102	9612515103	9612515104
11	1	Stationary seal ring, SiC.				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
<b>Alternatives for single shaft seal</b>						
✧		Complete shaft seal, EPDM	9612515105	9612515106	9612515107	9612515108
11	1	Stationary seal ring, SiC.				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring SiC.				
15	1	O-ring				
<b>Shaft seal for flushed shaft seal</b>						
◆		Complete shaft seal, EPDM	9612515109	9612515110	9612515111	
11	1	Stationary seal ring, SiC.				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing				
45	1	O-ring for drive ring				
<b>Alternatives for flushed shaft seal</b>						
✧		Complete shaft seal, EPDM	9612515113		9612515115	9612515116
11	1	Stationary seal ring, SiC.				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring SiC.				
15	1	O-ring				
43	1	Lip seal				
44	1	O-ring for seal housing				
45	1	O-ring for drive ring				
<b>Double mechanical shaft seal</b>						
○		Complete shaft seal, EPDM	9612515117	9612515118	9612515119	9612515120
11	1	Stationary seal ring, SiC.				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing				
50	1	O-ring				
51	1	Sec. stationary seal ring, SiC.				
52	1	Drive ring				
54	2	Cup				
<b>Alternatives for double mechanical shaft seal</b>						
■		Complete shaft seal, EPDM	9612515121	9612515122	9612515123	9612515124
11	1	Stationary seal ring, SiC.				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC.				
15	2	O-ring				
44	1	O-ring for seal housing				
50	1	O-ring				
51	1	Sec. stationary seal ring, SiC.				
52	1	Drive ring				
54	2	Cup				

900021/3

FSS = Flushed Shaft Seal





Pos	Qty	Denomination	2.2 kW	3 kW	4 kW	5.5 kW	7.5 kW
			IEC90	IEC100	IEC112	IEC132	IEC132
1	1	Motor, ABB 3000rpm	9614303004	9614303005	9614303006	9614303007	9614303008
	1	* Motor, ABB 3000rpm special	9614289501		9614289502	9614289503	9614289504
2	1	Shroud complete	9612139001	9614192203	9612139003	9612139008	9612139008
3	1	Edge list, (Incl. in pos. 2)					

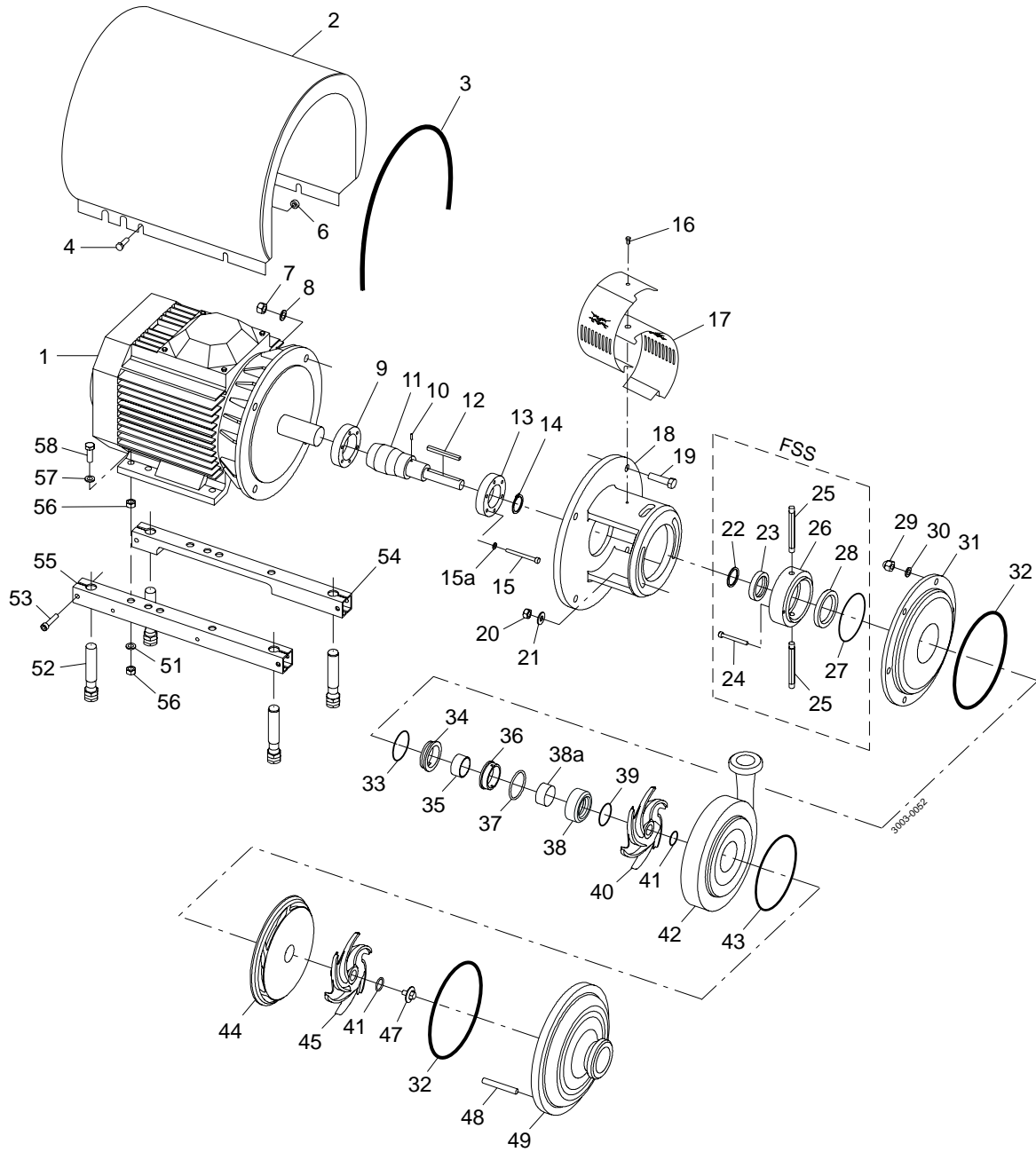
\* For system pressure 10-40 bar.

Pos	Qty	Denomination	11 kW	15 kW	18.5 kW
			IEC160	IEC160	IEC160
1	1	Motor, 220/240 VΔ	9614303009	9614303010	9614303011
	1	Motor, 380/420 VΔ	9614289505	9614289506	9614289507
2	1	Shroud complete	9612139005	9612139005	9612139005
3	1	Edge list, (Included in pos. 2)			

\* For system pressure 10-40 bar.

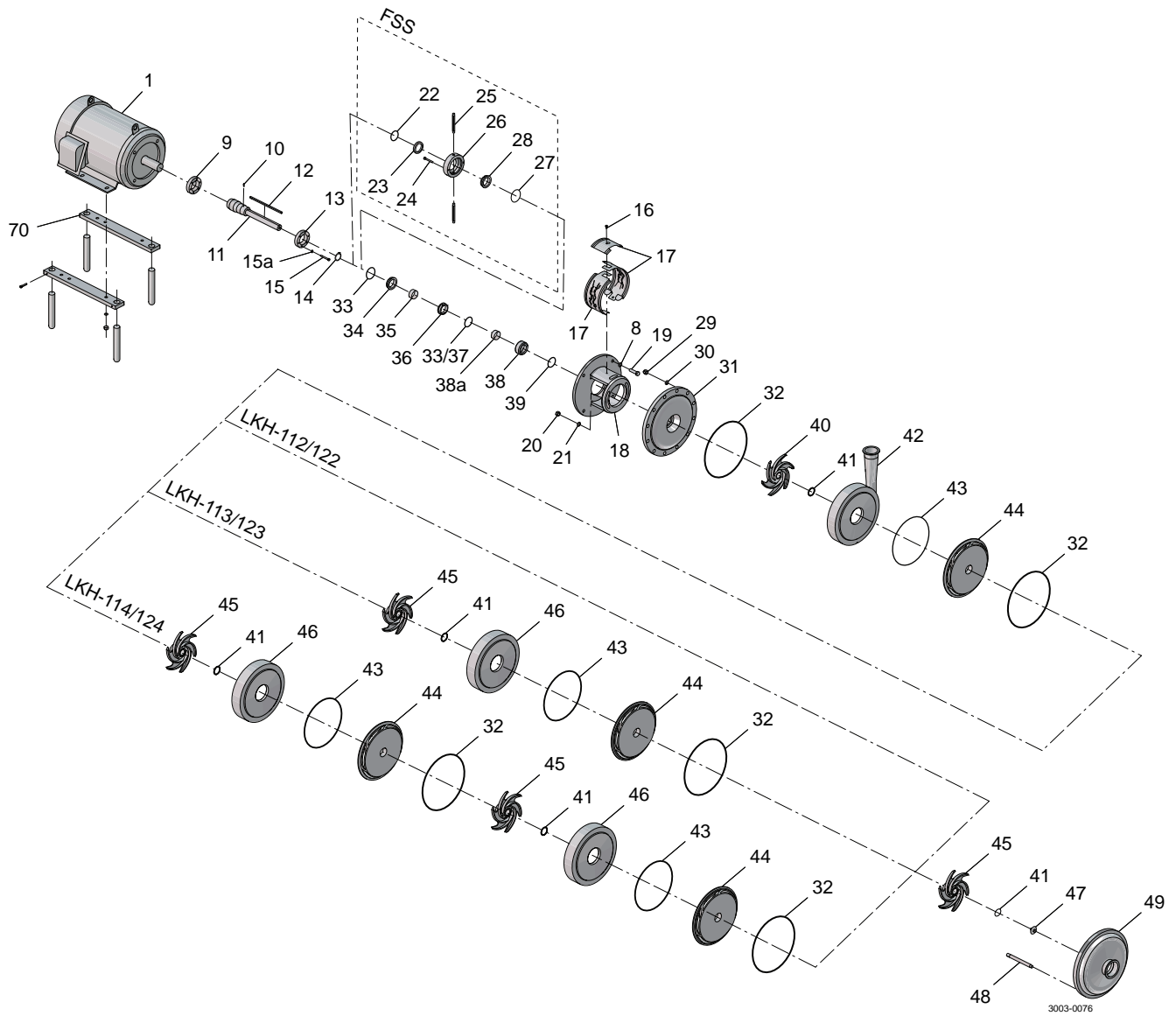
Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160
4	4	Screw	9611993240	9611993240	9611993240	9611993240	9611993241
6	4	Distance sleeve		9611992737		9611992737	3143803902
7	4	Nut for adaptor	9611990353	9611990587	9611990587	9611990587	9611992160
8	4	Washer for adaptor	9611991887	9611990676	9611990676	9611990676	9611991886
9	1	Compression ring with thread	9612133601	9612133602	9612133602	9612133605	9612133603
10	1	Connex pin for flushed shaft seal	9611990622	9611990622	9611990622	9611990622	9611990622
11	1	Shaft, for single shaft seal		9612361901	9612361901	9612362001	9612362101
	1	Shaft, with retaining ring (pos.14) for single shaft seal	9612389601				
	1	Shaft, with pin (pos.10) for flushed shaft seal		9612361903	9612361903	9612362004	9612362104
	1	Shaft, with retaining ring (14) and pin (10) for flushed shaft seal	9612389602				
12	1	Key	9611992756	9611992756	9611992756	9611992756	9611992756
13	1	Compression ring without thread	9612133701	9612133702	9612133702	9612133705	9612133703
14	1	Retaining ring	9611992307				
15	6	Screw	9611993196	9611993196	9611993196	9611993197	9611993197
15a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
16	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
17	1	Safety guard set	9614077401	9614077402	9614077402	9614077403	9614077404
18	1	Adaptor	9612342301	9612342401	9612342401	9612342501	9612342601
19	4	Screw for adaptor	9611992161	9611991834	9611991834	9611992162	9611992163
20	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559
29	6	Cap nut	9611992593	9611992593	9611992593	9611992593	9611992593
30	6	Washer	9611991887	9611991887	9611991887	9611991887	9611991887
31	1	Back plate, (LKH-112 0-10 bar)	9612389208	9612389208	9612389208	9612389208	9612389208
	1	Back plate, (LKH-112/P 10-40 bar)	9612389214	9612389214	9612389214	9612389214	9612389214
32	2	O-ring, EPDM (standard)	9611992744	9611992744	9611992744	9611992744	9611992744
	2	O-ring, NBR	9611992745	9611992745	9611992745	9611992745	9611992745
	2	O-ring, FPM	9611992746	9611992746	9611992746	9611992746	9611992746
35	1	Spacing ring	9612362501	9612362501	9612362501	9612362501	9612362501
38	1	Rotating seal housing	9612362401	9612362401	9612362401	9612362401	9612362401
60	1	Set of 8 springs for rotating sealhousing, (incl. In pos 38)	9611995848	9611995848	9611995848	9611995848	9611995848
40	1	Impeller	9612360401	9612360401	9612360401	9612360401	9612360401
41	2	O-ring, EPDM (standard)	9611992750	9611992750	9611992750	9611992750	9611992750
	2	O-ring, NBR	9611992751	9611992751	9611992751	9611992751	9611992751
	2	O-ring, FPM	9611992752	9611992752	9611992752	9611992752	9611992752
42	1	Pump casing, IDF	9612388901	9612388901	9612388901	9612388901	9612388901
	1	Pump casing, SMS	9612388902	9612388902	9612388902	9612388902	9612388902
	1	Pump casing, DIN	9612388903	9612388903	9612388903	9612388903	9612388903
	1	Pump casing, ISO	9612388904	9612388904	9612388904	9612388904	9612388904
	1	Pump casing, BS	9612388905	9612388905	9612388905	9612388905	9612388905
	1	Pump casing, flange DN40	9612389401	9612389401	9612389401	9612389401	9612389401
43	1	O-ring, EPDM (standard)	9611992747	9611992747	9611992747	9611992747	9611992747
	1	O-ring, NBR	9611992748	9611992748	9611992748	9611992748	9611992748
	1	O-ring, FPM	9611992749	9611992749	9611992749	9611992749	9611992749
44	1	Guide vanes	9612361301	9612361301	9612361301	9612361301	9612361301
45	1	Impeller	9612360501	9612360501	9612360501	9612360501	9612360501
47	1	Impeller screw	9612362701	9612362701	9612362701	9612362701	9612362701
48	6	Bolt	9612363501	9612363501	9612363501	9612363501	9612363501
49	1	Pump cover, IDF	9612389301	9612389301	9612389301	9612389301	9612389301
	1	Pump cover, SMS	9612389302	9612389302	9612389302	9612389302	9612389302
	1	Pump cover, DIN	9612389303	9612389303	9612389303	9612389303	9612389303
	1	Pump cover, ISO	9612389304	9612389304	9612389304	9612389304	9612389304
	1	Pump cover, BS	9612389305	9612389305	9612389305	9612389305	9612389305
	1	Pump cover, flange DN50	9612389501	9612389501	9612389501	9612389501	9612389501

FSS = Flushed Shaft Seal

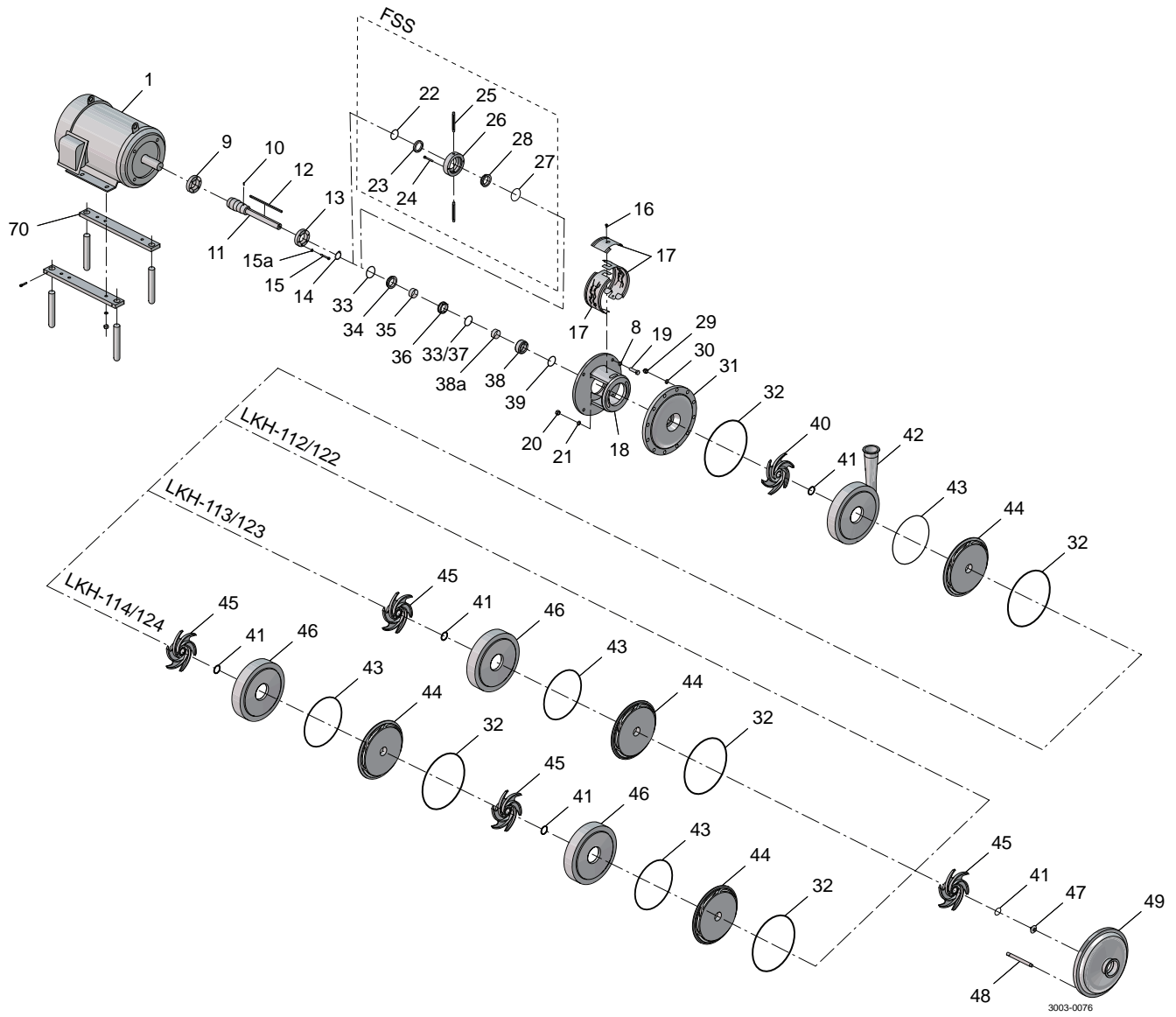




FSS = Flushed Shaft Seal



Pos	Qty	Denomination	7.5-10 HP	15-25 HP
1	1	Motor		
4	4	Screw	9611993240	9611993241
7	4	Nut for adaptor	9611990587	9611992160
8	4	Washer for adaptor	9611990676	9611991886
9	1	Compression ring with thread	9612133605	9612133603
10	1	Connex pin	9611990622	9611990622
11	1	Shaft with pin, (pos. 10) for flushed shaft seal	9612362001	9612362101
	1	Shaft with retaining ring, (pos.14)		
	1	Shaft with pin, (pos.10)	9612362004	9612362104
	1	Shaft with retaining ring, (14) and pin (10)		
12	1	Key	9611992756	9611992756
13	1	Compression ring without thread	9612133706	9612133706
15	6	Screw	9611993197	9611993197
15a	6	Washer	9611993199	9611993199
16	1	Screw for safety guard	9611993239	9611993239
17	1	Safety guard set	9614077408	9614077409
18	1	Adaptor	9612342501	9612342601
19	4	Screw for adaptor	9611992162	9611992163
20	2	Nut	9611990353	9611990353
21	2	Washer	9611992559	9611992559
29	6	Cap nut	9611992593	9611992593
30	6	Washer	9611991887	9611991887
31	1	Back plate	9612389214	9612389214
32	2	O-ring, EPDM (standard)	9611992744	9611992744
	2	O-ring, NBR	9611992745	9611992745
	2	O-ring, FPM	9611992746	9611992746
35	1	Spacing ring	9612362501	9612362501
38	1	Rotating seal housing	9612362401	9612362401
60	1	Set of 8 springs for rotating sealhousing , (incl. In pos 38)	9611995848	9611995848
40	1	Impeller	88341471	88341471
41	2	O-ring, EPDM (standard)	9611992750	9611992750
	2	O-ring, NBR	9611992751	9611992751
	2	O-ring, FPM	9611992752	9611992752
42	1	Pump casing, Tri-Clamp	9612388904	9612388904
43	1	O-ring, EPDM (standard)	9611992747	9611992747
	1	O-ring, NBR	9611992748	9611992748
	1	O-ring, FPM	9611992749	9611992749
44	1	Guide vanes, Interplate	9612361301	9612361301
45	1	Impeller	9612360501	9612360501
47	1	Impeller screw	9612362701	9612362701
48	6	Bolt	9612363501	9612363501
49	1	Pump cover, Tri-Clamp	9612389304	9612389304
50-58	1	Leg b racket	481663	481665



C/SiC

**Service kit for single shaft seal C/SiC**

- Service kit, EPDM ..... □ 9611922096
- Service kit, NBR ..... □ 9611922097
- Service kit, FPM ..... □ 9611922098

**Service kit for flushed shaft seal C/SiC**

- Service kit, EPDM ..... ○ 9611922099
- Service kit, NBR ..... ○ 9611922100
- Service kit, FPM ..... ○ 9611922101

SiC/SiC

**Service kit for flushed shaft seal SiC/SiC**

- EPDM ..... ◆ 9611922655
- NBR ..... ◆ 9611922656
- FPM ..... ◆ 9611922657

**Service kit for single shaft seal SiC/SiC**

- EPDM ..... ■ 9611922658
- NBR ..... ■ 9611922659
- FPM ..... ■ 9611922660

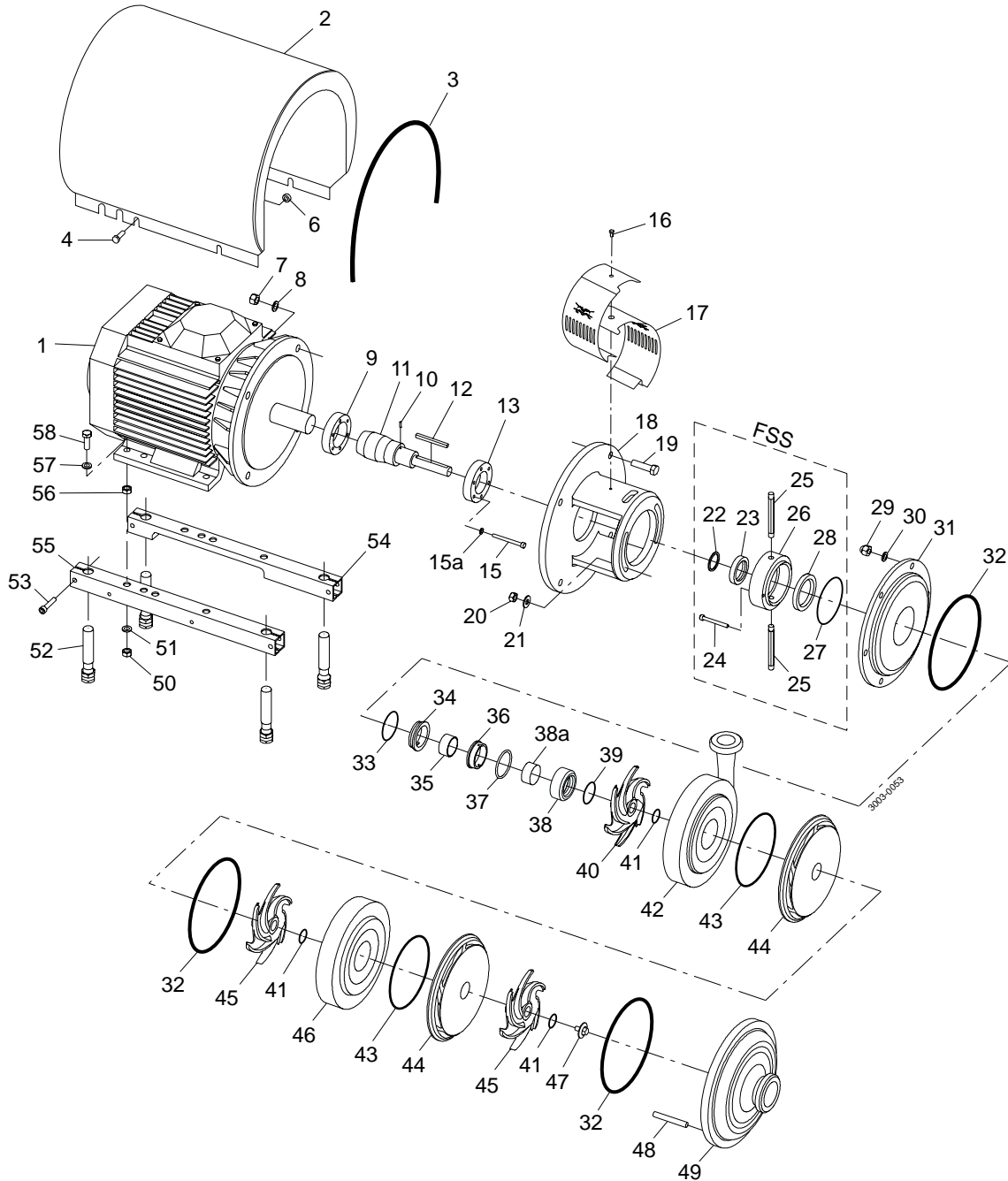
Parts marked with □◆○■ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits.

(900300/3)

FSS = Flushed Shaft Seal



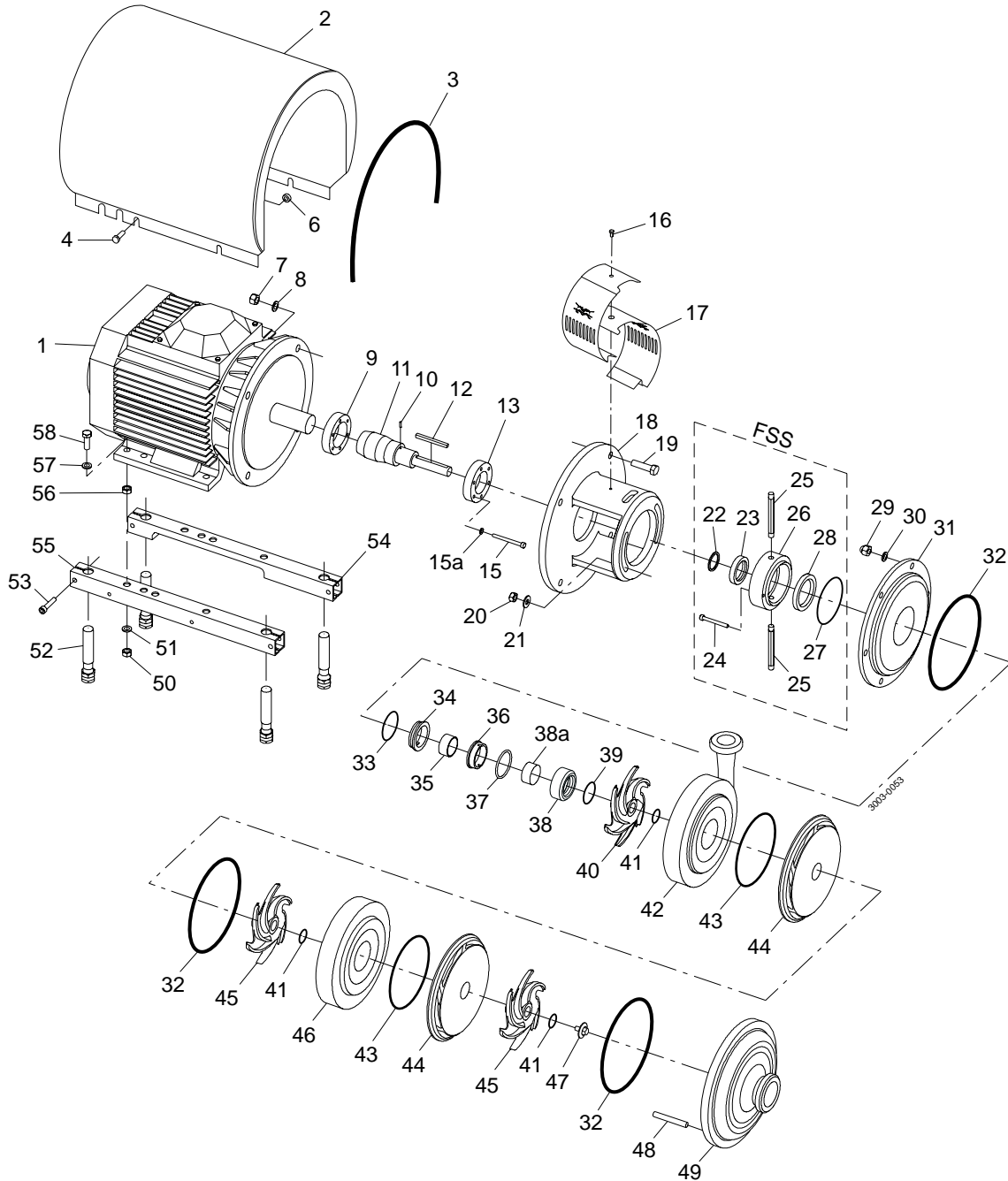


Pos	Qty	Denomination	3 kW IEC100	4 kW IEC112	5.5 kW IEC132	7.5 kW IEC160
1	1	Motor, ABB 3000rpm	9614303005	9614303006	9614303007	9614303008
	1	* Motor, ABB 3000rpm special		9614289502	9614289503	9614289504
2	1	Shroud complete	9614192203	9612139003	9612139008	9612139008
3	1	Edge list, (Incl. in pos. 2)				
* For system pressure 10-40 bar.						

Pos	Qty	Denomination	11 kW IEC160	15 kW IEC160	18.5 kW IEC160
1	1	Motor, ABB 3000rpm	9614303009	9614303010	9614303011
	1	* Motor, ABB 3000rpm, special	9614289505	9614289506	9614289507
2	1	Shroud complete	9612139005	9612139005	9612139005
3	1	Edge list, (Included in pos. 2)			
* For system pressure 10-40 bar.					

Pos	Qty	Denomination	IEC100	IEC112	IEC132	IEC160
4	4	Screw	9611993240	9611993240	9611993240	9611993241
6	4	Distance sleeve	9611992737		9611992737	3143803902
7	4	Nut for adaptor	9611990587	9611990587	9611990587	9611992160
8	4	Washer for adaptor	9611990676	9611990676	9611990676	9611991886
9	1	Compression ring with thread	9612133602	9612133602	9612133605	9612133603
10	1	Connex pin	9611990622	9611990622	9611990622	9611990622
11	1	Shaft	9612361902	9612361902	9612362002	9612362102
	1	Shaft, with pin (pos.10)	9612361904	9612361904	9612362005	9612362105
12	1	Key	9611992757	9611992757	9611992757	9611992757
13	1	Compression ring without thread	9612133702	9612133702	9612133705	9612133703
15	6	Screw	9611993196	9611993196	9611993197	9611993198
15a	6	Washer	9611993199	9611993199	9611993199	9611993199
16	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239
17	1	Safety guard set	9614077402	9614077402	9614077403	9614077404
18	1	Adaptor	9612342401	9612342401	9612342501	9612342601
19	4	Screw for adaptor	9611991834	9611991834	9611992162	9611992163
20	2	Nut	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559
29	6	Cap nut	9611992593	9611992593	9611992593	9611992593
30	6	Washer	9611991887	9611991887	9611991887	9611991887
31	1	Back plate, (LKH-113 0-10 bar)	9612389208	9612389208	9612389208	9612389208
	1	Back plate, (LKH-113/P 10-40 bar)	9612389214	9612389214	9612389214	9612389214
32	3	O-ring, EPDM (standard)	9611992744	9611992744	9611992744	9611992744
	3	O-ring, NBR	9611992745	9611992745	9611992745	9611992745
	3	O-ring, FPM	9611992746	9611992746	9611992746	9611992746
35	1	Spacing ring	9612362501	9612362501	9612362501	9612362501
38	1	Rotating seal housing	9612362401	9612362401	9612362401	9612362401
60	1	Set of 8 springs for rotating sealhousing, (incl. In pos 38)	9611995848	9611995848	9611995848	9611995848
40	1	Impeller	9612360401	9612360401	9612360401	9612360401
41	3	O-ring, EPDM (standard)	9611992750	9611992750	9611992750	9611992750
	3	O-ring, NBR	9611992751	9611992751	9611992751	9611992751
	3	O-ring, FPM	9611992752	9611992752	9611992752	9611992752
42	1	Pump casing, IDF	9612388901	9612388901	9612388901	9612388901
	1	Pump casing, SMS	9612388902	9612388902	9612388902	9612388902
	1	Pump casing, DIN	9612388903	9612388903	9612388903	9612388903
	1	Pump casing, ISO	9612388904	9612388904	9612388904	9612388904
	1	Pump casing, BS	9612388905	9612388905	9612388905	9612388905
	1	Pump casing, flange DN40	9612389401	9612389401	9612389401	9612389401
43	2	O-ring, EPDM (standard)	9611992747	9611992747	9611992747	9611992747
	2	O-ring, NBR	9611992748	9611992748	9611992748	9611992748
	2	O-ring, FPM	9611992749	9611992749	9611992749	9611992749
44	2	Guide vanes	9612361301	9612361301	9612361301	9612361301
45	2	Impeller	9612360501	9612360501	9612360501	9612360501
46	1	Intermediate casing	9612361001	9612361001	9612361001	9612361001
47	1	Impeller screw	9612362701	9612362701	9612362701	9612362701
48	6	Bolt	9612363502	9612363502	9612363502	9612363502
49	1	Pump cover, IDF	9612389301	9612389301	9612389301	9612389301
	1	Pump cover, SMS	9612389302	9612389302	9612389302	9612389302
	1	Pump cover, DIN	9612389303	9612389303	9612389303	9612389303
	1	Pump cover, ISO	9612389304	9612389304	9612389304	9612389304
	1	Pump cover, BS	9612389305	9612389305	9612389305	9612389305
	1	Pump cover, flange DN50	9612389501	9612389501	9612389501	9612389501

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	IEC100	IEC112	IEC132	IEC160
<b>Legs</b>						
50	4	Nut	9611990353	9611990353	9611990353	9611990587
51	4	Spring washer	9611991887	9611991887	9611991887	9611990676
52	4	Leg	9612396701	9612396701	9612396701	9612396701
53	4	Screw, (period 9711-)	9611991126	9611991126	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907	9611991907	9611991907
54	1	Support bar, left	9612132305	9612132305	9612132306	9612132303
55	1	Support bar, right	9612132205	9612132205	9612132206	9612132203
56	4	Nut	9611990587			
57	4	Washer	9611990786	9611990786	9611990786	9611990706
58	4	Screw	9611991374	9611991374	9611991374	9611991834

C/SiC	SiC/SiC
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**Service kit for single shaft seal**

Service kit, EPDM.	□ 9611922102	○ 9611922661
Service kit, NBR.	□ 9611922103	○ 9611922662
Service kit, FPM.	□ 9611922104	○ 9611922663

**Service kit for flushed shaft seal**

Service kit, EPDM.	◆ 9611922105	★ 9611922664
Service kit, NBR.	◆ 9611922106	★ 9611922665
Service kit, FPM.	◆ 9611922107	★ 9611922666

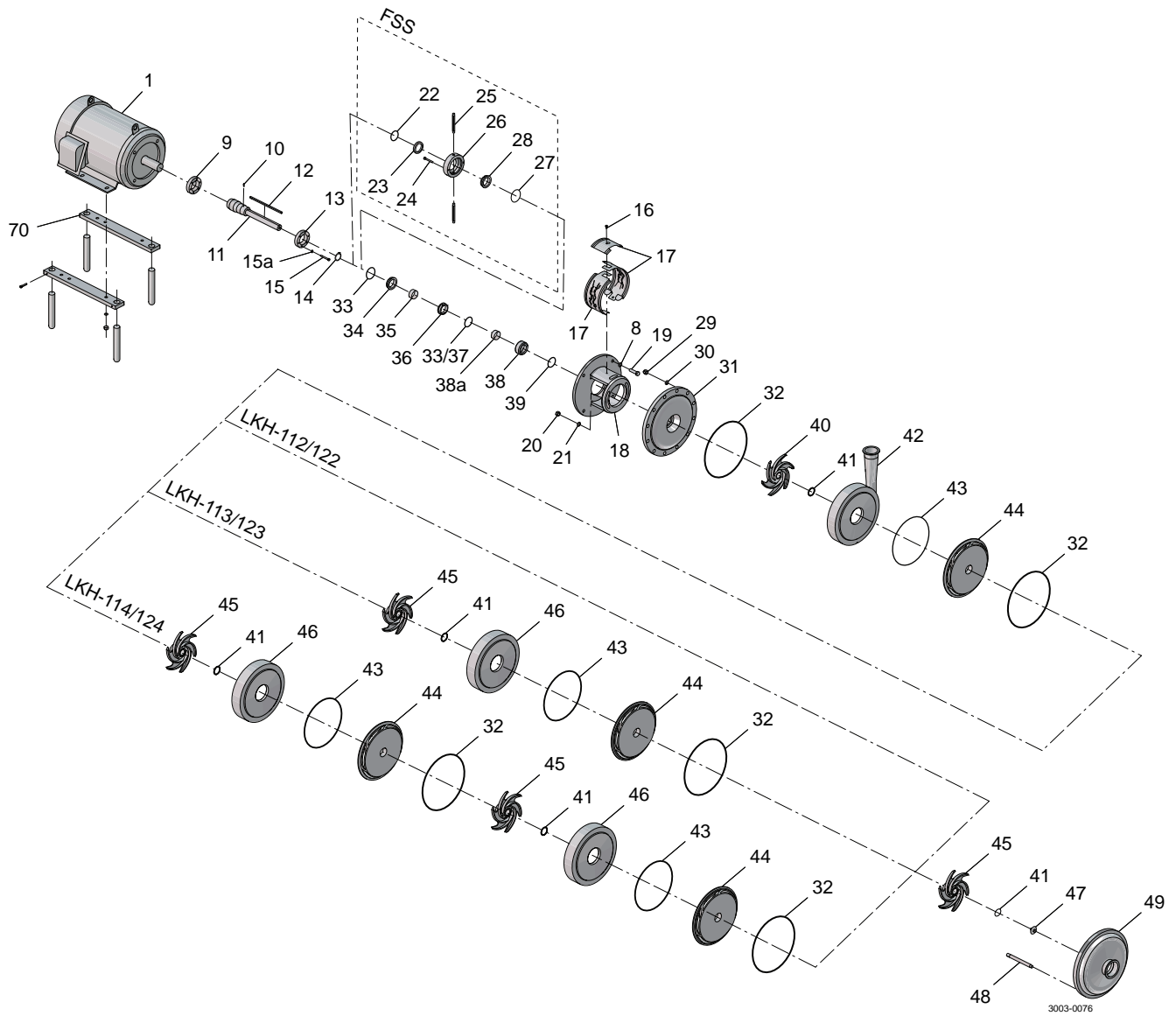
Parts marked with □◆○★ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits.

(900023/8)

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	7.5-10 HP	15-25 HP
1	1	Motor		
4	4	Screw	9611993240	9611993241
7	4	Nut for adaptor	9611990587	9611992160
8	4	Washer for adaptor	9611990676	9611991886
9	1	Compression ring, with thread	9612133605	9612133603
10	1	Connex pin	9611990622	9611990622
11	1	Shaft with pin, (pos. 10) for flushed shaft seal	9612362002	9612362102
12	1	Key	9611992757	9611992757
13	1	Compression ring, without thread	9612133706	9612133703
15	6	Screw	9611993197	9611993198
15a	6	Washer	9611993199	9611993199
16	1	Screw for safety guard	9611993239	9611993239
17	1	Safety guard set	9614077408	9614077408
18	1	Adaptor	9612342501	9612342601
19	4	Screw for adaptor	9611992162	9611992163
20	2	Nut	9611990353	9611990353
21	2	Washer	9611992559	9611992559
29	6	Cap nut	9611992593	9611992593
30	6	Washer	9611991887	9611991887
31	1	Back plate	9612389214	9612389214
32	□♦○■	3 O-ring, EPDM (standard)	9611992744	9611992744
		3 O-ring, NBR	9611992745	9611992745
		3 O-ring, FPM	9611992746	9611992746
35	1	Spacing ring	9612362501	9612362501
38	1	Rotating seal housing	9612362401	9612362401
60	1	Set of 8 springs for rotating sealhousing , (incl. In pos 38)	9611995848	9611995848
40	1	Impeller	88341471	88341471
41	□♦○■	3 O-ring, EPDM (standard)	9611992750	9611992750
		3 O-ring, NBR	9611992751	9611992751
		3 O-ring, FPM	9611992752	9611992752
42		1 Pump casing, Tri-Clamp	9612388904	9612388904
43	□♦○■	2 O-ring, EPDM (standard)	9611992747	9611992747
		2 O-ring, NBR	9611992748	9611992748
		2 O-ring, FPM	9611992749	9611992749
44	2	Guide vanes, Interplate	9612361301	9612361301
45	2	Impeller	9612360501	9612360501
46	1	Intermediate casing	9612361001	9612361001
47	1	Impeller screw	9612362701	9612362701
48	6	Bolt	9612363502	9612363502
49	1	Pump cover, Tri-Clamp	9612389304	9612389304
50-58	1	Leg bracket	481663	481665

C/S                      SiC/SiC

**Service kit for single shaft seal C/SiC**

Service kit, EPDM	□ 9611922102	■ 9611922661
Service kit, NBR	□ 9611922103	■ 9611922662
Service kit, FPM	□ 9611922104	■ 9611922663

C/S                      SiC/SiC

**Service kit for flushed shaft seal**

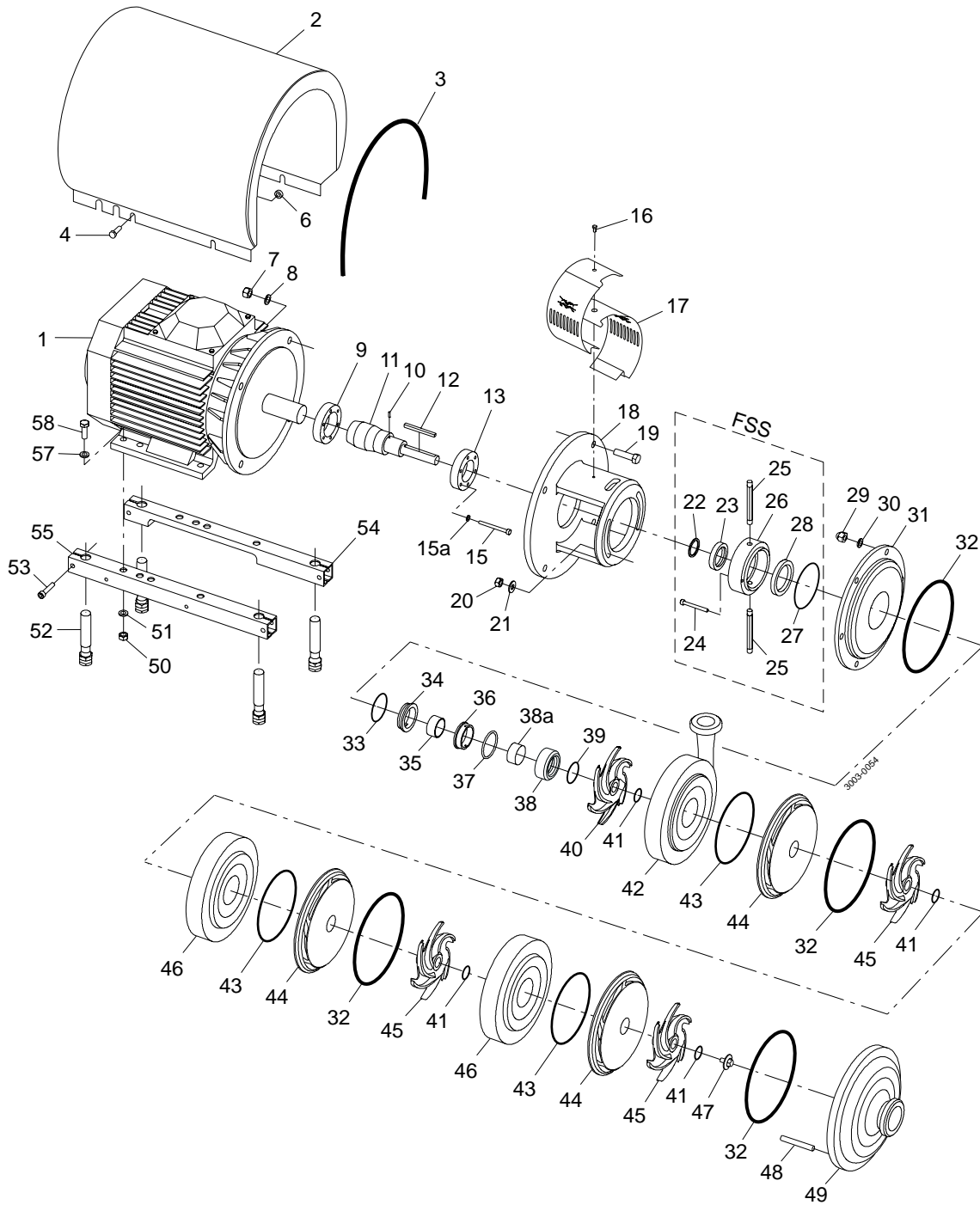
Service kit, EPDM	○ 9611922105	◆ 9611922664
Service kit, NBR	○ 9611922106	◆ 9611922665
Service kit, FPM	○ 9611922107	◆ 9611922666

Parts marked with □♦○■ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare Parts: Service kits.

FSS = Flushed Shaft Seal

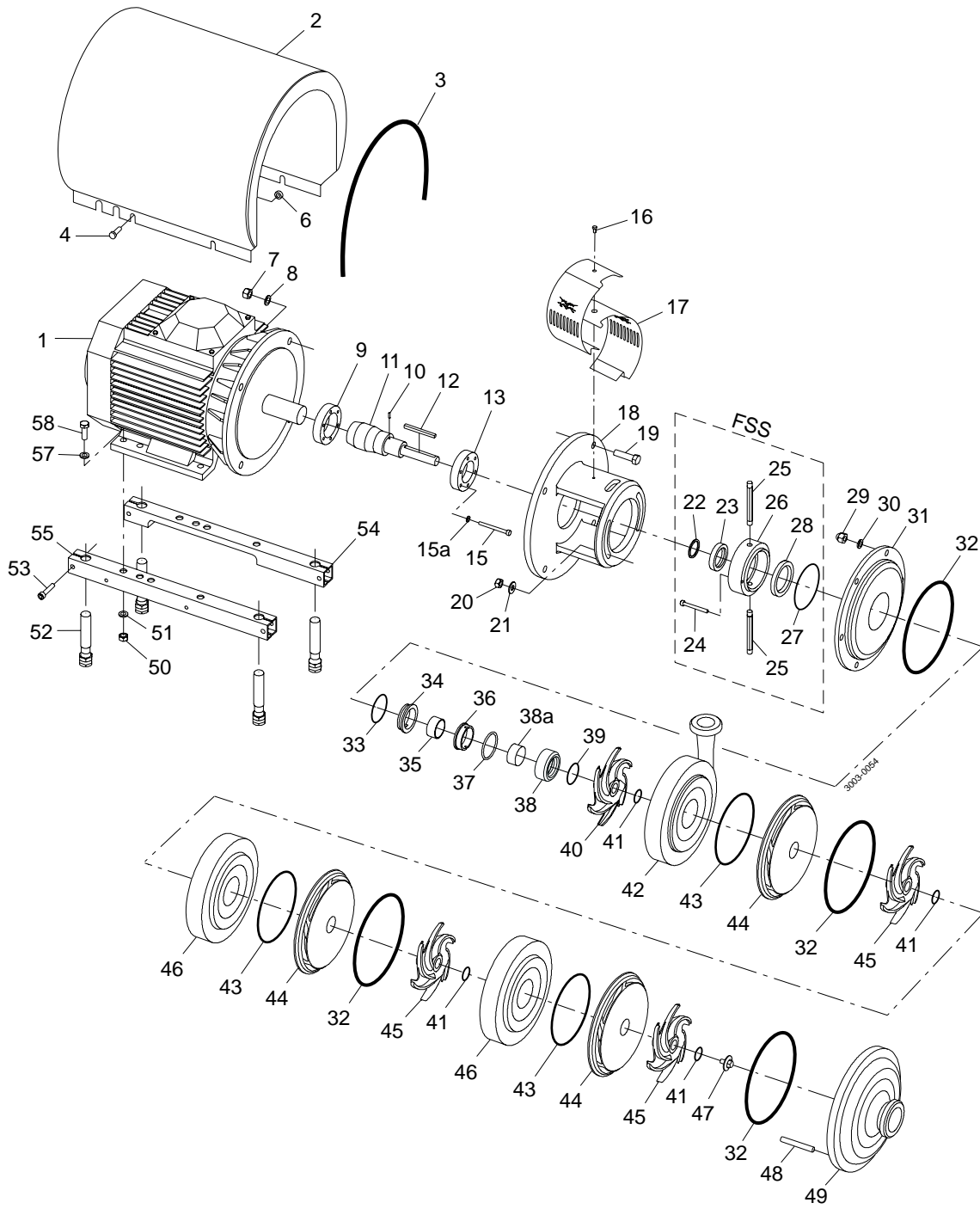


Pos	Qty	Denomination	5.5 kW IEC132	7.5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor, ABB 3000rpm . . . .	9614303007	9614303008	9614303009	9614303010	9614303011	9614303012
	1	* Motor, ABB 3000rpm special . . . . .	9614289503	9614289504	9614289505	9614289506	9614289507	9614289509
2	1	Shroud complete . . . . .	9612139008	9612139008	9612139005	9612139005	9612139005	9612139006
3	1	Edge list, (Incl. in pos. 2) . .						

\* For system pressure 10-40 bar.

Pos	Qty	Denomination	IEC132	IEC160	IEC180
4	4	Screw . . . . .	9611993240	9611993241	9611993243
6	4	Distance sleeve . . . . .	9611992737	3143803902	3143803901
7	4	Nut for adaptor . . . . .	9611990587	9611992160	9611992160
8	4	Washer for adaptor . . . . .	9611990676	9611991886	9611991886
9	1	Compression ring with thread . . . . .	9612133605	9612133603	9612133604
10	1	Connex pin for flushed shaft seal . . . . .	9611990622	9611990622	9611990622
11	1	Shaft for single shaft seal . . . . .	9612362003	9612362103	9612514801
	1	Shaft with pin (pos.10) for flushed shaft seal . . . . .	9612362006	9612362106	9612514802
12	1	Key . . . . .	9611992758	9611992758	9611992758
13	1	Compression ring without thread . . . . .	9612133705	9612133703	9612133704
15	6	Screw . . . . .	9611993197	9611993198	9611993198
15a	6	Washer . . . . .	9611993199	9611993199	9611993199
16	1	Screw for safety guard . . . . .	9611993239	9611993239	9611993239
17	1	Safety guard set . . . . .	9614077403	9614077404	9614077404
18	1	Adaptor . . . . .	9612342501	9612342601	9612342601
19	4	Screw for adaptor . . . . .	9611992162	9611992163	9611992164
20	2	Nut . . . . .	9611990353	9611990353	9611990353
21	2	Washer . . . . .	9611992559	9611992559	9611992559
29	6	Cap nut . . . . .	9611992593	9611992593	9611992593
30	6	Washer . . . . .	9611991887	9611991887	9611991887
31	1	Back plate, (LKH-114 0-10 bar) . . . . .	9612389208	9612389208	9612389208
	1	Back plate, (LKH-114/P 10-40 bar) . . . . .	9612389214	9612389214	9612389214
32	4	□♦○* O-ring, EPDM (standard) . . . . .	9611992744	9611992744	9611992744
	4	O-ring, NBR . . . . .	9611992745	9611992745	9611992745
	4	O-ring, FPM . . . . .	9611992746	9611992746	9611992746
35	1	Spacing ring . . . . .	9612362501	9612362501	9612362501
38	1	Rotating seal housing . . . . .	9612362401	9612362401	9612362401
60	1	Set of 8 springs for rotating sealhousing , (incl. In pos 38) . . . . .	9611995848	9611995848	9611995848
40	1	Impeller . . . . .	9612360401	9612360401	9612360401
41	4	□♦○* O-ring, EPDM (standard) . . . . .	9611992750	9611992750	9611992750
	4	O-ring, NBR . . . . .	9611992751	9611992751	9611992751
	4	O-ring, FPM . . . . .	9611992752	9611992752	9611992752
42	1	Pump casing, IDF . . . . .	9612388901	9612388901	9612388901
	1	Pump casing, SMS . . . . .	9612388902	9612388902	9612388902
	1	Pump casing, DIN . . . . .	9612388903	9612388903	9612388903
	1	Pump casing, ISO . . . . .	9612388904	9612388904	9612388904
	1	Pump casing, BS . . . . .	9612388905	9612388905	9612388905
	1	Pump casing, flange DN40 . . . . .	9612389401	9612389401	9612389401
43	3	□♦○* O-ring, EPDM (standard) . . . . .	9611992747	9611992747	9611992747
	3	O-ring, NBR . . . . .	9611992748	9611992748	9611992748
	3	O-ring, FPM . . . . .	9611992749	9611992749	9611992749
44	3	Guide vanes . . . . .	9612361301	9612361301	9612361301
45	3	Impeller . . . . .	9612360501	9612360501	9612360501
46	2	Intermediate casing . . . . .	9612361001	9612361001	9612361001
47	1	Impeller screw . . . . .	9612362701	9612362701	9612362701
48	6	Bolt . . . . .	9612363503	9612363503	9612363503
49	1	Pump cover, IDF . . . . .	9612389301	9612389301	9612389301
	1	Pump cover, SMS . . . . .	9612389302	9612389302	9612389302
	1	Pump cover, DIN . . . . .	9612389303	9612389303	9612389303
	1	Pump cover, ISO . . . . .	9612389304	9612389304	9612389304
	1	Pump cover, BS . . . . .	9612389305	9612389305	9612389305
	1	Pump cover, flange DN50 . . . . .	9612389501	9612389501	9612389501

Pos	Qty	Denomination	IEC132	IEC160	IEC180
<b>Legs</b>					
50	4	Nut . . . . .	9611990353	9611990587	9611990587
51	4	Spring washer . . . . .	9611991887	9611990676	9611990676
52	4	Leg . . . . .	9612396701	9612396701	9612396701
53	4	Screw, (period 9711-) . . . . .	9611991126	9611991126	9611991126
	4	Screw, (period -9711) . . . . .	9611991907	9611991907	9611991907
54	1	Support bar, left . . . . .	9612132306	9612132303	9612132204
55	1	Support bar, right . . . . .	9612132206	9612132203	9612132304
57	4	Washer . . . . .	9611990786	9611990706	9611990706
58	4	Screw . . . . .	9611991374	9611991834	9611991834





	C/SiC	SiC/SiC
<b>Service kit for single shaft seal</b>		
Service kit, EPDM. ....	□ 9611922108	○ 9611922667
Service kit, NBR. ....	□ 9611922109	○ 9611922668
Service kit, FPM. ....	□ 9611922110	○ 9611922669
<b>Service kit for flushed shaft seal</b>		
Service kit, EPDM. ....	◆ 9611922111	★ 9611922670
Service kit, NBR. ....	◆ 9611922112	★ 9611922671
Service kit, FPM. ....	◆ 9611922113	★ 9611922672

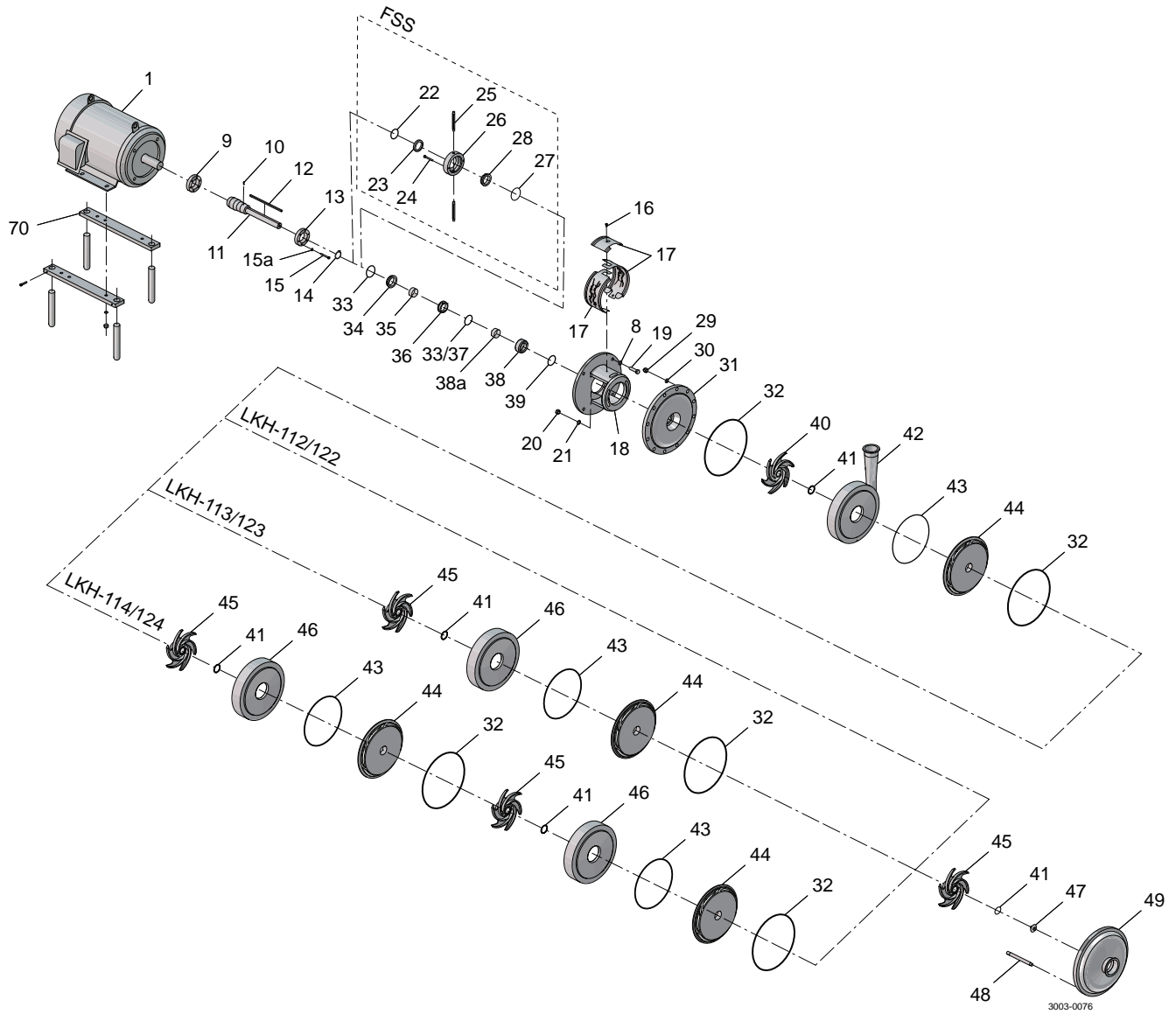
Parts marked with □◆○★ are incl. in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits

(900024/8)

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	7.5-10 HP	15-25 HP
1	1	Motor		
4	4	Screw	9611993240	9611993241
7	4	Nut for adaptor	9611990587	9611992160
8	4	Washer for adaptor	9611990676	9611991886
9	1	Compression ring , with thread	9612133605	9612133603
10	1	Connex pin, for flushed shaft seal	9611990622	9611990622
11	1	Shaft for single shaft seal, (pos. 10) for flushed shaft seal	9612362003	9612362103
12	1	Key	9611992758	9611992758
13	1	Compression ring, without thread	9612133706	9612133703
15	6	Screw	9611993197	9611993198
15a	6	Washer	9611993199	9611993199
16	1	Screw for safety guard	9611993239	9611993239
17	1	Safety guard set	9614077408	9614077408
18	1	Adaptor	9612342501	9612342601
19	4	Screw for adaptor	9611992162	9611992163
20	2	Nut	9611990353	9611990353
21	2	Washer	9611992559	9611992559
29	6	Cap nut	9611992593	9611992593
30	6	Washer	9611991887	9611991887
31	1	Back plate	9612389208	9612389208
32	4	O-ring, EPDM (standard)	9611992744	9611992744
35	1	Spacing ring	9612362501	9612362501
38	1	Rotating seal housing	9612362401	9612362401
60	1	Set of 8 springs for rotating sealhousing , (incl. In pos 38)	9611995848	9611995848
40	1	Impeller	88341471	88341471
41	4	O-ring, EPDM (standard)	9611992750	9611992750
42	1	Pump casing, Tri-Clamp	9612388904	9612388904
43	3	O-ring, EPDM (standard)	9611992747	9611992747
	3	O-ring, NBR	9611992751	9611992751
	3	O-ring, FPM	9611992752	9611992752
44	3	Guide vanes, Interplate	9612361301	9612361301
45	3	Impeller	9612360501	9612360501
46	2	Intermediate casing	9612361001	9612361001
47	1	Impeller screw	9612362701	9612362701
48	6	Bolt	9612363503	9612363503
49	1	Pump cover, Tri-Clamp	9612389304	9612389304
50-58	1	Leg bracket	481663	481665

C/SIC SIC/SIC

**Service kit for single shaft seal**

Service kit, EPDM	□ 9611922108	■ 9611922667
Service kit, NBR	□ 9611922109	■ 9611922668
Service kit, FPM	□ 9611922110	■ 9611922669

C/SIC SIC/SIC

**Service kit for flushed shaft seal**

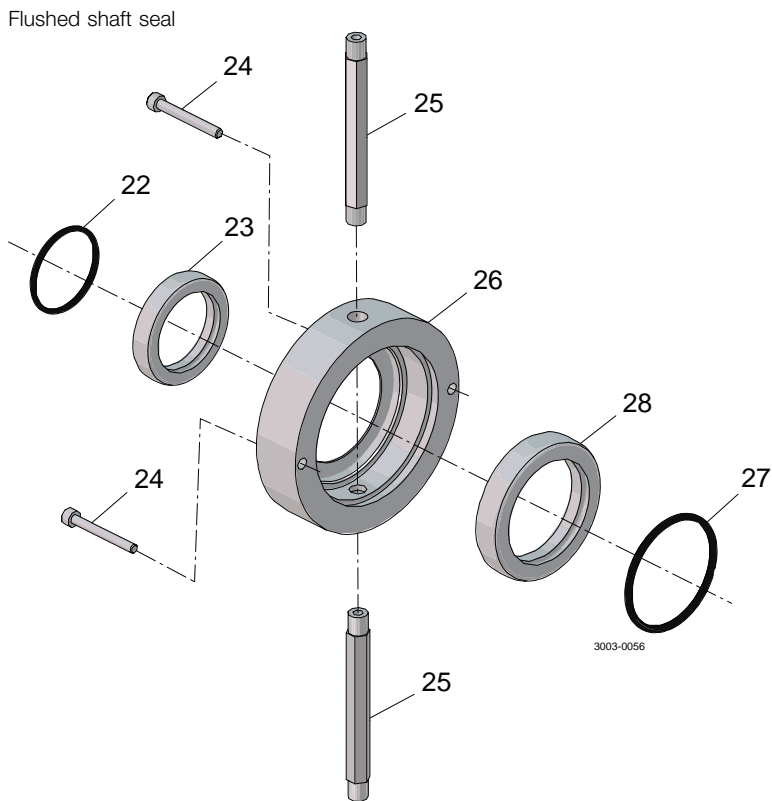
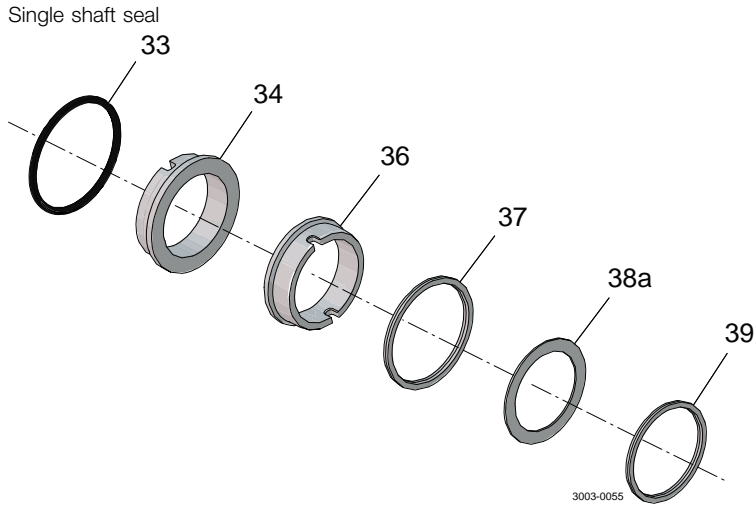
Service kit, EPDM	○ 9611922111	◆ 9611922670
Service kit, NBR	○ 9611922112	◆ 9611922671
Service kit, FPM	○ 9611922113	◆ 9611922672

Parts marked with □◆○■ are incl. in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits.

(900302/2)



**Pos Qty Denomination 5.5-18.5 kW**

**Parts for flushed shaft seal**

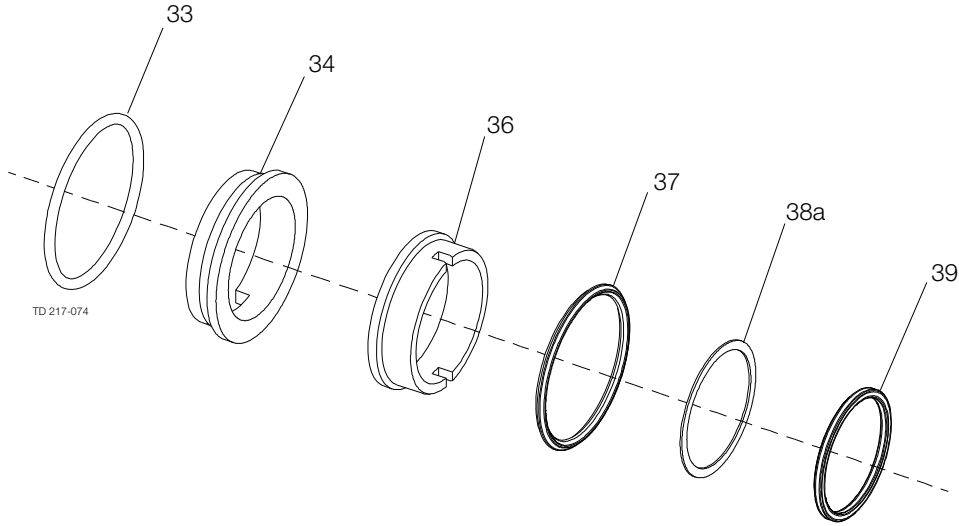
22	◆★	1	O-ring, EPDM	9611992754
23		1	Sleeve	9612362901
24		2	Screw	9611990203
25		2	Tube	9612358901
26		1	Seal housing, for flushed seal	9612362601
27	◆★	1	O-ring, EPDM	9611992753
28	◆★	1	Lip seal	9611992860

Pos	Qty	Denomination	EPDM (standard)	NBR	FPM
□◆		Shaft seal complete	9612362201	9612362202	9612362203
33	1	O-ring			
34	1	Stationary seal ring, Sic.			
36	1	Rotating seal ring, Carbon			
37	1	Quad ring			
38a	1	Support ring, PTFE			
39	1	Quad ring			

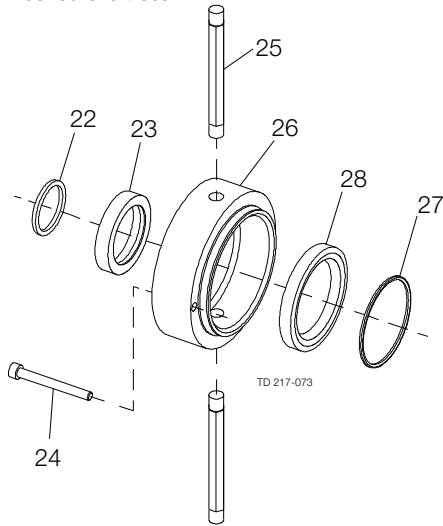
Pos	Qty	Denomination	EPDM (standard)	NBR	FPM
○★		Shaft seal complete	9612362204	9612362205	9612362206
33	1	O-ring			
34	1	Stationary seal ring, Sic.			
36	1	Rotating seal ring, Sic.			
37	1	Quad ring			
38a	1	Support ring, PTFE			
39	1	Quad ring			

(900200/2)

Single shaft seal



Flushed shaft seal



**Pos Qty Denomination 7.5-20 HP**

**Parts for flushed shaft seal**

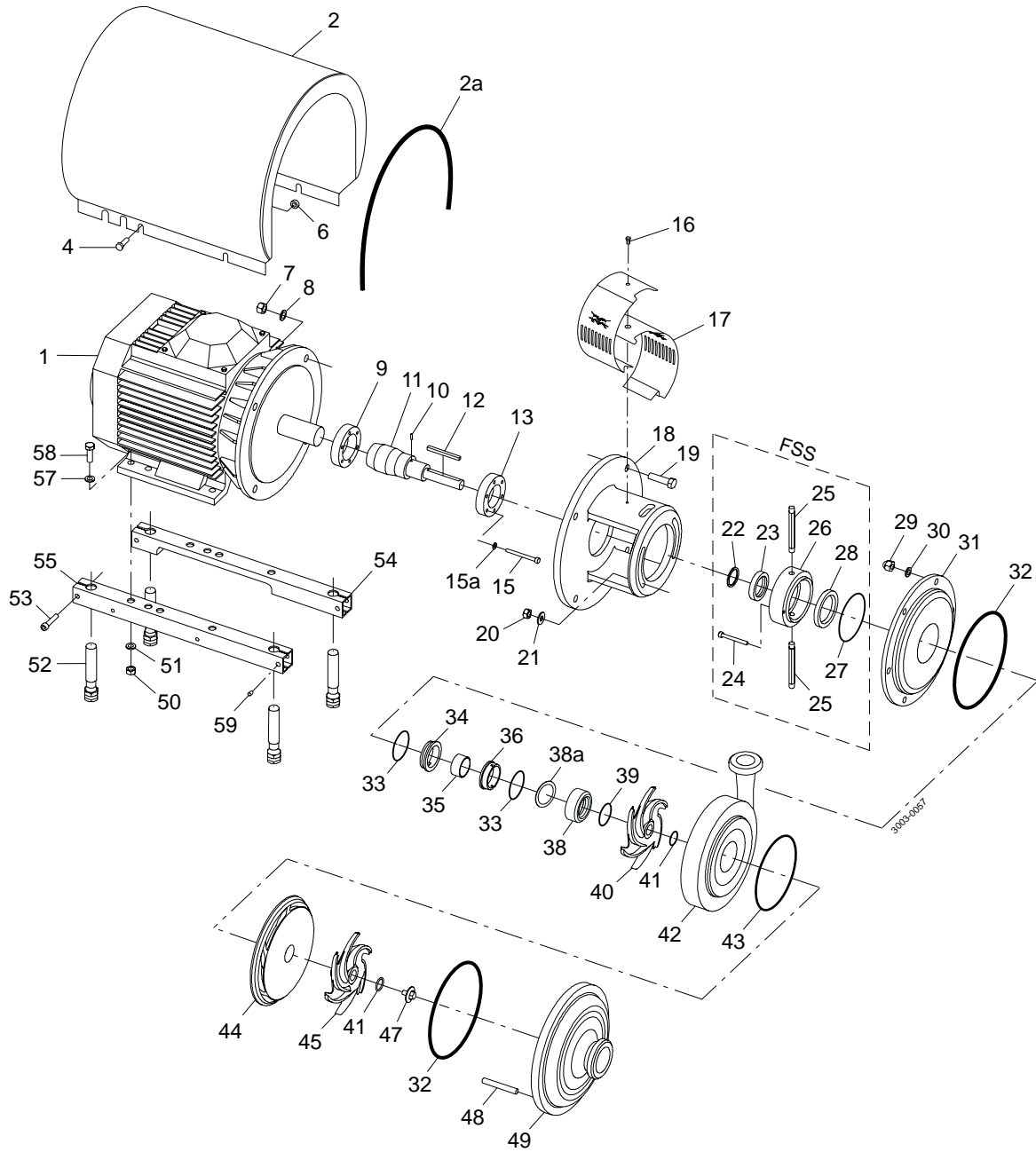
22	◆○	1	O-ring, EPDM	9611992754
23	◆○	1	Sleeve	9612362901
24		2	Screw	9611990203
25		2	Tube, (-04 2014)	9612358902
		2	Tube, (04 2014-)	9612358916
26		1	Seal housing for flushed seal	9612362601
		1	Seal housing for flushed seal, (04 2014-)	9612362605
27	◆○	1	O-ring, EPDM	9611992753
28	◆○	1	Lip seal	9611992860

Pos	Qty	Denomination	EPDM (standard)	NBR	FPM
		Shaft seal complete	9612362201	9612362202	9612362203
33	1	O-ring			
34	1	Stationary seal ring, Sic.			
36	1	Rotating seal ring, Carbon			
37	1	Quad ring			
38a	1	Support ring			
39	1	Quad ring			

Pos	Qty	Denomination	EPDM (standard)	NBR	FPM
<b>Alternatives</b>					
		Shaft seal complete	9612362204	9612362205	9612362206
33	1	O-ring			
34	1	Stationary seal ring			
36	1	Rotating seal ring			
37	1	Quad ring			
38a	1	Support ring			
39	1	Quad ring			

(900-303/2)

FSS = Flushed shaft seal

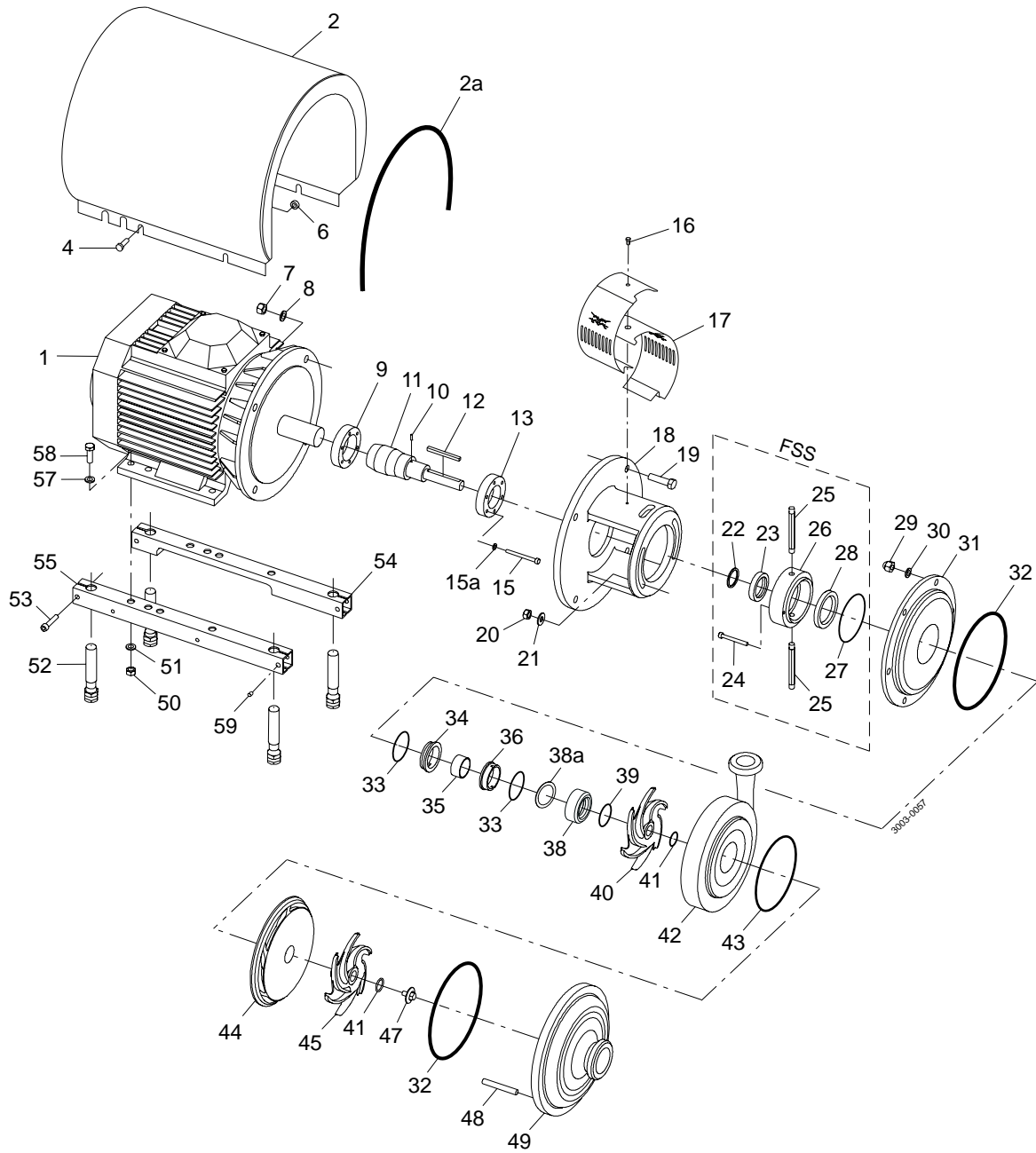




Pos	Qty	Denomination	22 kW IEC180	30 kW IEC200	37 kW IEC200	45 kW IEC200
1	1	Motor, ABB 3000rpm	9614289509	9614289510	9614289511	9614289512
2	1	Shroud complete	9612139006	9612593801	9612593801	9612593801
2a	1	Edge list, (incl. in pos. 2)				

3-,50 Hz, 230VD/400-415VY - Standard  $\leq$  22 kW and 400-415VD/690VY Standard  $>$  22 kW  
 3-,60 Hz, 440-460VY - Standard  $\leq$  22 kW and 440-460VD Standard  $>$  22 kW

Pos	Qty	Denomination	IEC180	IEC200
4	4	Screw	9611993240	9611993243
6	4	Distance sleeve	3143803901	3143803903
7	4	Nut for adaptor	9611992160	9611992160
8	4	Washer for adaptor	9611991886	9611991886
9	1	Compression ring with thread	9612133604	9612133607
10	1	Connex pin	9611990622	9611990622
11	1	Shaft and pin (pos 10)	9612592001	9612592101
12	1	Key	9611993476	9611993476
13	1	Compression ring without thread	9612133704	9612133707
15	6	Screw	9611993198	9611993198
15a	6	Washer	9611993199	9611993199
16	1	Screw for safety guard	9611993239	9611993239
17	1	Safety guard set	9614077404	9614077404
18	1	Adaptor	9612342601	9612342701
19	4	Screw for adaptor	9611992164	9611992164
20	4	Nut	9611990353	9611990353
21	4	Washer	9611992559	9611992559
29	11	Cap nut	9611993685	9611993685
30	11	Washer	9611993684	9611993684
31	1	Back plate	9612389224	9612389224
32	2	O-ring, EPDM (standard)	9611993574	9611993574
	2	O-ring, NBR	9611993575	9611993575
35	1	Spacing ring	9612362503	9612362503
38	1	Rotating seal housing	9612604501	9612604501
60	1	Set of 14 springs for rotating sealhousing, (incl. In pos 38)	9611995849	9611995849
40	1	Impeller, LKH-120P	9612590604	9612590604
41	2	O-ring, EPDM (standard)	9611993578	9611993578
	2	O-ring, NBR	9611993579	9611993579
42	1	Pump casing, flange	9612592301	9612592301
	1	Pump casing, clamp	9612592302	9612592302
43	1	O-ring, EPDM (standard)	9611993582	9611993582
	1	O-ring, NBR	9611993583	9611993583
44	1	Guide vanes	9612590302	9612590302
45	1	Impeller, LKH-120P	9612590603	9612590603
47	1	Impeller, screw	9612591304	9612591304
	1	Impeller, screw (period -0211)	9612591301	9612591301
48	11	Bolt	9612363506	9612363506
49	1	Pump cover, flange	9612592401	9612592401
	1	Pump cover, clamp	9612592402	9612592402
<b>Legs</b>				
50	4	Nut	9611990587	9611990587
51	4	Spring washer	9611990676	9611990676
52	4	Leg	9612396701	9612396701
53	4	Screw	9611991907	9611991907
54	1	Support bar, left	9612342204	9612342201
55	1	Support bar, right	9612342204	9612342201
57	4	Washer	9611990706	9611990706
58	4	Screw	9611993680	9611993680
59	4	Pivot screw		9611991763
<b>Tool</b>				
		Tool		9612927801



	C/SiC	SiC/SiC
<b>Service kit for single shaft seal</b>		
Service kit, EPDM .....	□ 9611922409	○ 9611922673
Service kit, NBR .....	□ 9611922410	○ 9611922674
<b>Service kit for flushed shaft seal</b>		
Service kit, EPDM .....	◆ 9611922412	★ 9611922676
Service kit, NBR .....	◆ 9611922413	★ 9611922677

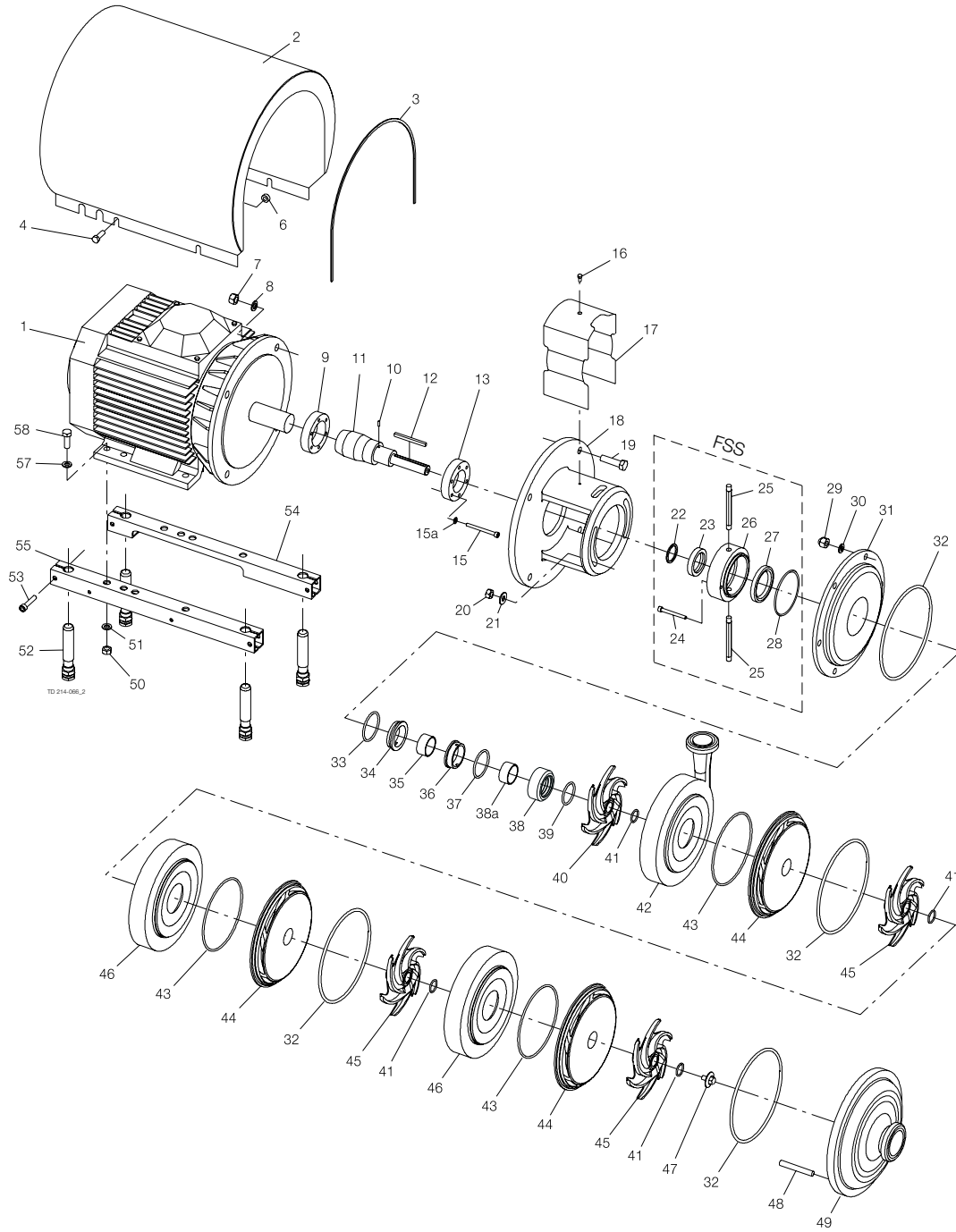
Parts marked with □◆○★ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits.

(900046/9)

FSS = Flushed Shaft Seal



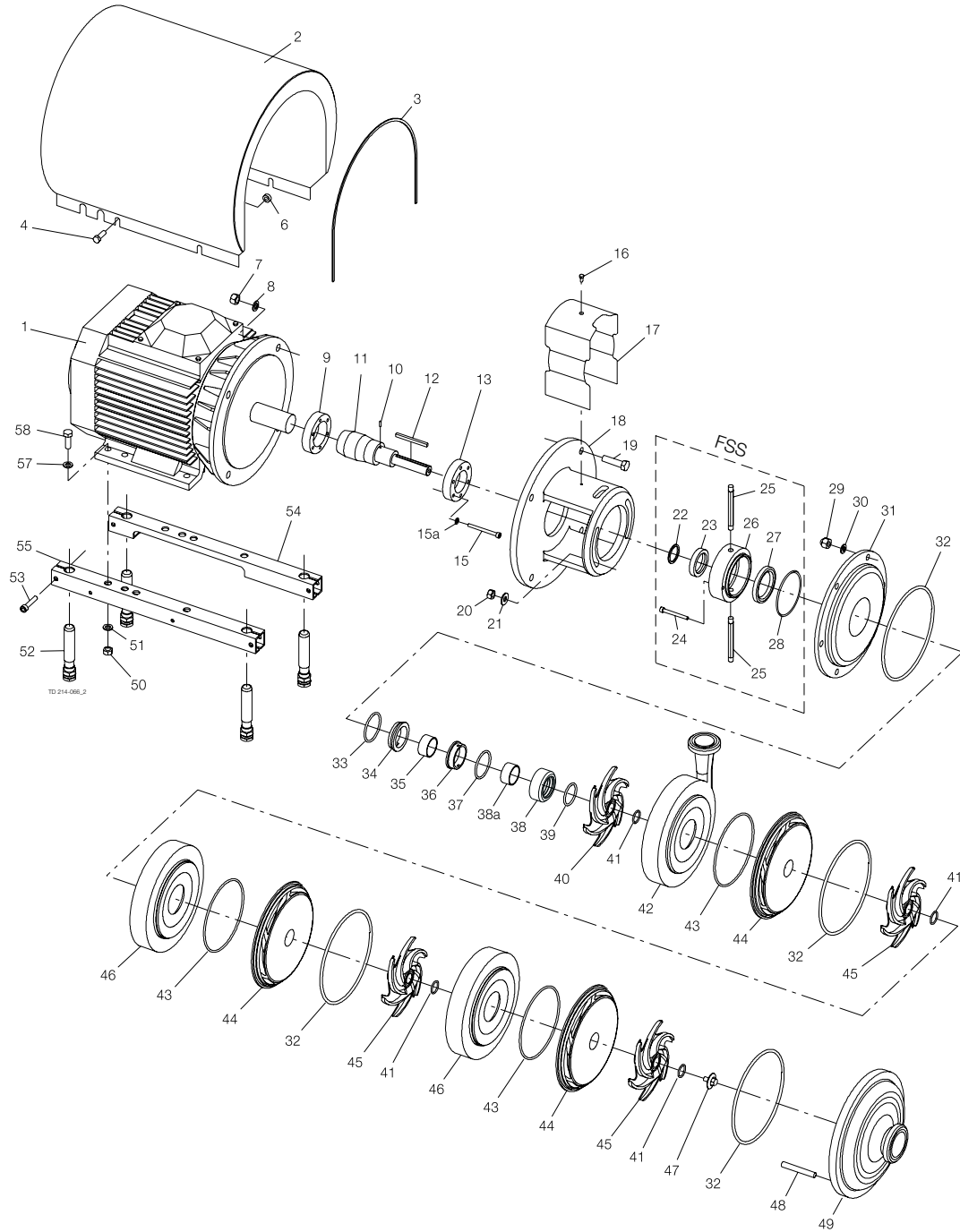
Pos	Qty	Denomination	40Hp	50Hp	60Hp
1	1	Special motor	9612990501	9612990502	9612990503
		3~,60Hz, 440-480VD -Standard			
<b>Tool</b>					
		Tool	9612927801		

Pos	Qty	Denomination	40-50Hp	60Hp	
9	1	Compression ring with thread	9612133604	9612133604	
10	1	Connex pin	9611990622	9611990622	
11	1	Shaft and pin, (pos 10)	9612601201	9612601201	
12	1	Key	9611993476	9611993476	
13	1	Compression ring without thread	9612133704	9612133704	
15	6	Screw	9611993198	9611993198	
15a	6	Washer	9611993199	9611993199	
16	1	Screw for safety guard	9611993239	9611993239	
17	1	Safety guard set	9614077409	9614077409	
18	1	Adaptor	9612342602	9612342602	
19	4	Screw for adaptor	9611994415	9611994415	
19a	4	Spring washer for adaptor	9611994418	9611994418	
20	4	Nut	9611990353	9611990353	
21	4	Washer	9611992559	9611992559	
29	11	Cap nut	9611993685	9611993685	
30	11	Washer	9611993684	9611993684	
31	1	Back plate	9612389224	9612389224	
32	2	O-ring, EPDM (standard)	9611993574	9611993574	
	2	O-ring, NBR	9611993575	9611993575	
35	1	Spacing ring	9612362503	9612362503	
38	1	Rotating seal housing	9612604501	9612604501	
60	1	Set of 14 springs for rotating sealhousing , (incl. In pos 38)	9611995849	9611995849	
40	1	Impeller LKH-120P	9612590604	9612590604	
41	2	O-ring, EPDM (standard)	9611993578	9611993578	
	2	O-ring, NBR	9611993579	9611993579	
42	1	Pump casing, flange	9612592301	9612592301	
	1	Pump casing, clamp	9612592302	9612592302	
43	1	O-ring, EPDM (standard)	9611993582	9611993582	
	1	O-ring, NBR	9611993583	9611993583	
44	1	Guide vanes	9612590302	9612590302	
45	1	Impeller LKH-120P	9612590603	9612590603	
47	1	Impeller screw	9612591304	9612591304	
48	11	Bolt	9612363506	9612363506	
49	1	Pump cover, flange	9612592401	9612592401	
	1	Pump cover, clamp	9612592402	9612592402	
<b>Legs</b>					
70		Bracket set stainless steel	9634056195	9634056196	

Surface roughness, product wetted parts: Ra £ 0.8 mm (3A)

Pos	Qty	Denomination	40-60Hp
31	1	Back plate	9612389225
40	1	Impeller LKH-120P	9612590606
42	1	Pump casing, flange	9612592303
	1	Pump casing, clamp	9612592304
44	1	Guide vanes	9612590302
45	1	Impeller LKH-120P	9612590605
47	1	Impeller screw	9612591305
49	1	Pump cover, flange	9612592403
	1	Pump cover, clamp	9612592404
17	1	Safety guard	9612131111

FSS = Flushed shaft seal



	C/SiC	SiC/SiC
<b>Service kit for single shaft seal</b>		
Service kit, EPDM .....	◆ 9611922409	■ 9611922673
Service kit, NBR .....	◆ 9611922410	■ 9611922674
<b>Service kit for flushed shaft seal</b>		
Service kit, EPDM .....	○ 9611922412	□ 9611922676
Service kit, NBR .....	○ 9611922413	□ 9611922677

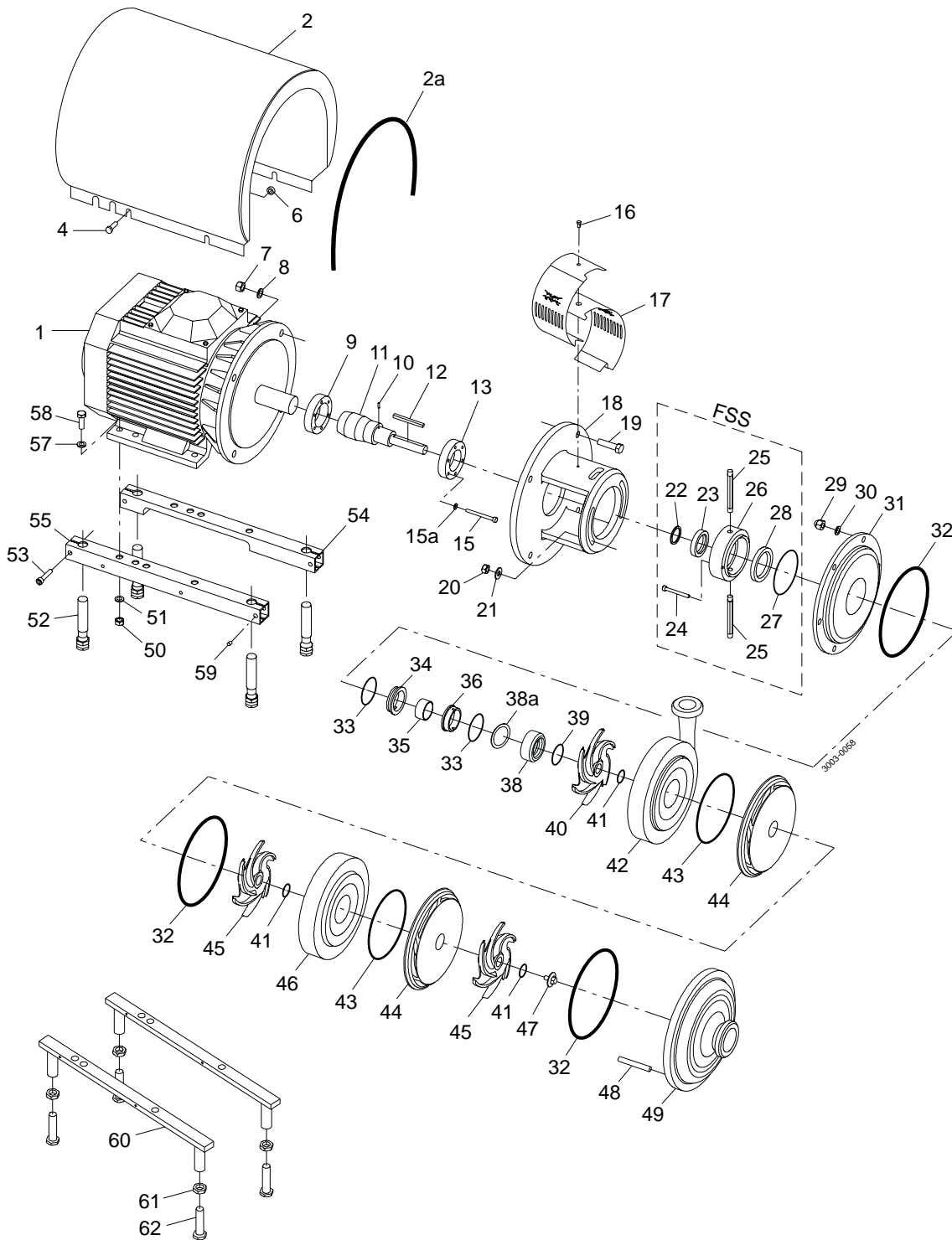
Parts marked with □◆○■ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits

(900248/6)

FSS = Flushed shaft seal



Legs for motor sizes 55-75 kW

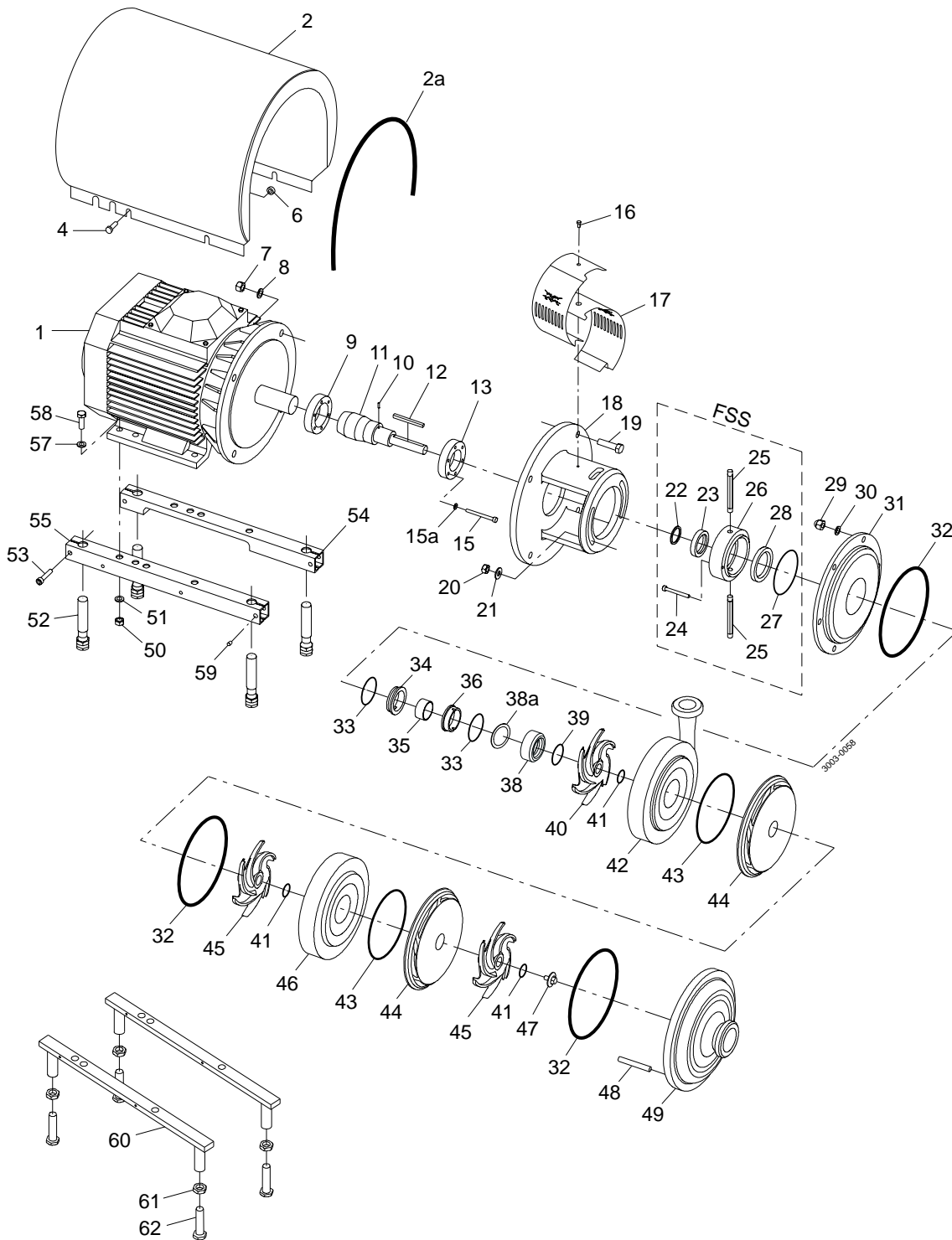


Pos	Qty	Denomination	22kW	30 kW	37 kW	45 kW	55 kW	75 kW
			IEC180	IEC200	IEC200	IEC200	IEC250	IEC250
1	1	Motor, ABB 3000rpm . . . .	9614289509	9614289510	9614289511	9614289512	9614289513	9614289514
2	1	Shroud complete . . . . .	9612139006	9612593801	9612593801	9612593801	9612593804	9612593804
2a	1	Edge list, (incl. in pos. 2) . .						

3~,50 Hz, 230VD/400-415VY - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW  
 3~,60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW

Pos	Qty	Denomination	IEC180	IEC200	IEC250
4	4	Screw . . . . .	9611993240	9611993243	9611993242
6	4	Distance sleeve . . . . .	3143803901	3143803903	3143803901
7	4	Nut for adaptor . . . . .	9611992160	9611992160	9611992160
8	4	Washer for adaptor . . . . .	9611991886	9611991886	9611991886
9	1	Compression ring with thread . . . . .	9612133604	9612133607	9612133608
10	1	Connex pin . . . . .	9611990622	9611990622	9611990622
11	1	Shaft and pin , (pos 10) . . . . .	9612592002	9612592102	9612592202
12	1	Key . . . . .	9611993476	9611992758	9611992758
13	1	Compression ring without thread . . . . .	9612133704	9612133707	9612133708
15	6	Screw . . . . .	9611993198	9611993198	9611993266
15a	6	Washer . . . . .	9611993199	9611993199	9611993199
16	1	Screw for safety guard . . . . .	9611993239	9611993239	9611993239
17	1	Safety guard set . . . . .	9614077404	9614077404	9614077418
18	1	Adaptor . . . . .	9612342601	9612342701	9612591501
19	4	Screw for adaptor . . . . .	9611992164	9611992164	9611992200
20	4	Nut . . . . .	9611990353	9611990353	9611990353
21	4	Washer . . . . .	9611992559	9611992559	9611992559
29	11	Cap nut . . . . .	9611993685	9611993685	9611993685
30	11	Washer . . . . .	9611993684	9611993684	9611993684
31	1	Back plate . . . . .	9612389224	9612389224	9612389224
32	□♦○★	3 O-ring, EPDM (standard) . . . . .	9611993574	9611993574	9611993574
		3 O-ring, NBR . . . . .	9611993575	9611993575	9611993575
35	1	Spacing ring . . . . .	9612362503	9612362503	9612362503
38	1	Rotating seal housing . . . . .	9612604501	9612604501	9612604501
60	1	Set of 14 springs for rotating sealhousing, (incl. In pos 38) . . . . .	9611995849	9611995849	9611995849
40	1	Impeller LKH-120P . . . . .	9612590604	9612590604	9612590604
41	□♦○★	3 O-ring, EPDM (standard) . . . . .	9611993578	9611993578	9611993578
		3 O-ring, NBR . . . . .	9611993579	9611993579	9611993579
42	1	Pump casing, flange . . . . .	9612592301	9612592301	9612592301
		1 Pump casing, clamp . . . . .	9612592302	9612592302	9612592302
43	□♦○★	2 O-ring, EPDM (standard) . . . . .	9611993582	9611993582	9611993582
		2 O-ring, NBR . . . . .	9611993583	9611993583	9611993583
44	2	Guide vanes . . . . .	9612590302	9612590302	9612590302
45	2	Impeller LKH-120P . . . . .	9612590603	9612590603	9612590603
46	1	Intermediate casing . . . . .	9612590902	9612590902	9612590902
47	1	Impeller screw . . . . .	9612591304	9612591304	9612591304
		1 Impeller screw, (period -0211) . . . . .	9612591301	9612591301	9612591301
48	11	Bolt . . . . .	9612363506	9612363507	9612363507
49	1	Pump cover, flange . . . . .	9612592401	9612592401	9612592401
		1 Pump cover, clamp . . . . .	9612592402	9612592402	9612592402
<b>Legs</b>					
50	4	Nut . . . . .	9611990587	9611990587	9611990935
51	4	Spring washer . . . . .	9611990676	9611990676	9611993267
52	4	Leg . . . . .	9612396701	9612396701	
53	4	Screw . . . . .	9611991907	9611991907	
54	1	Support bar, left . . . . .	9612342204	9612342201	
55	1	Support bar, right . . . . .	9612342204	9612342201	
57	4	Washer . . . . .	9611990706	9611990706	9611993269
58	4	Screw . . . . .	9611993680	9611993680	9611993268
59	4	Pivot screw . . . . .		9611991763	
60	2	Leg bracket . . . . .		9612518401	
61	4	Nut for leg . . . . .		9611993260	
62	4	Screw for leg . . . . .			9612518501
<b>Tool</b>					
		Tool . . . . .		9612927801	

FSS = Flushed shaft seal



Legs for motor sizes 55-75 kW

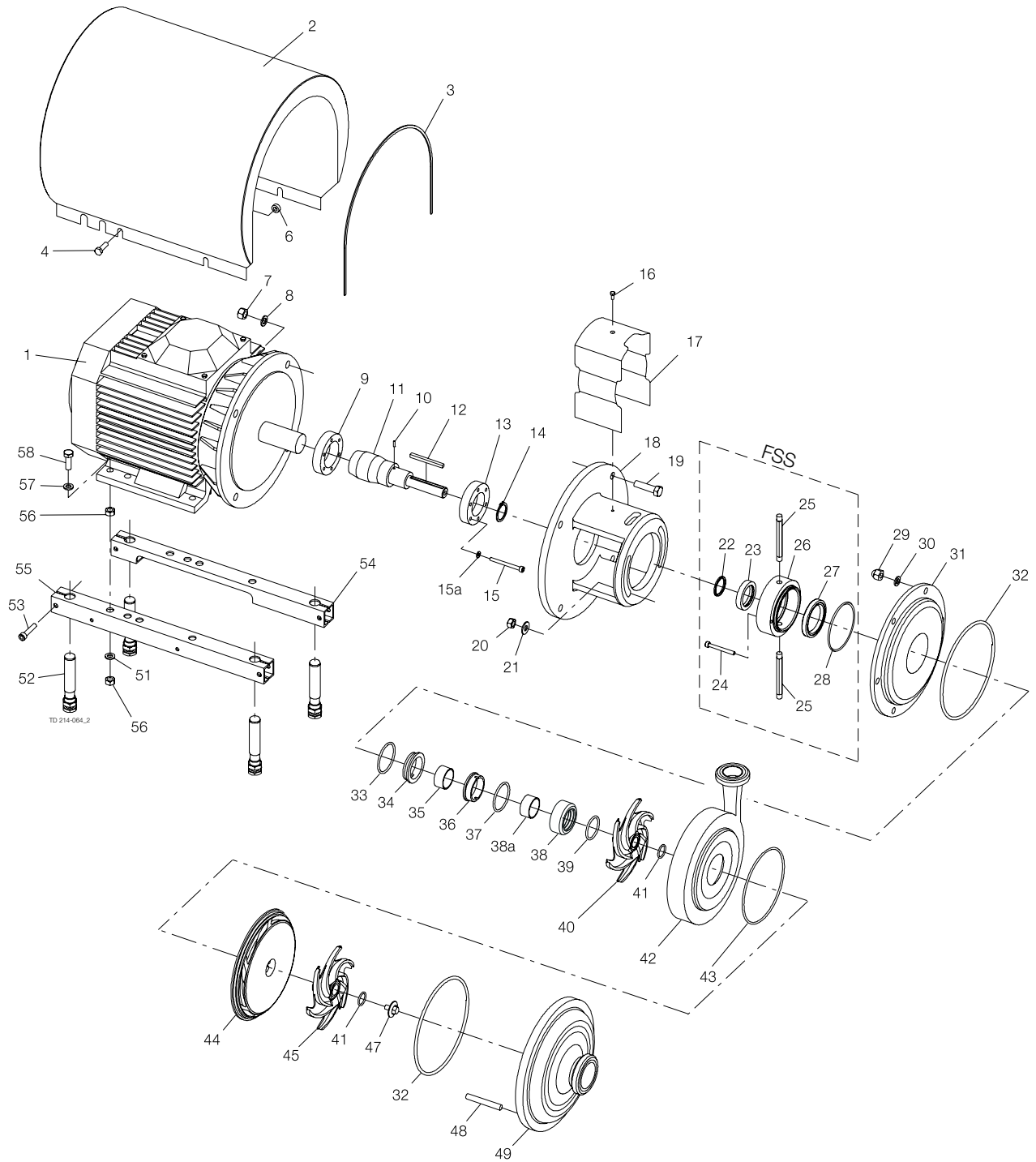
	C/SiC	SiC/SiC
<b>Service kit for single shaft seal</b>		
Service kit, EPDM .....	□ 9611922934	○ 9611922679
Service kit, NBR .....	□ 9611922935	○ 9611922680
<b>Service kit for flushed shaft seal</b>		
Service kit, EPDM .....	◆ 9611922937	★ 9611922682
Service kit, NBR .....	◆ 9611922938	★ 9611922683

Parts marked with □◆○★ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits.

(900235/10)

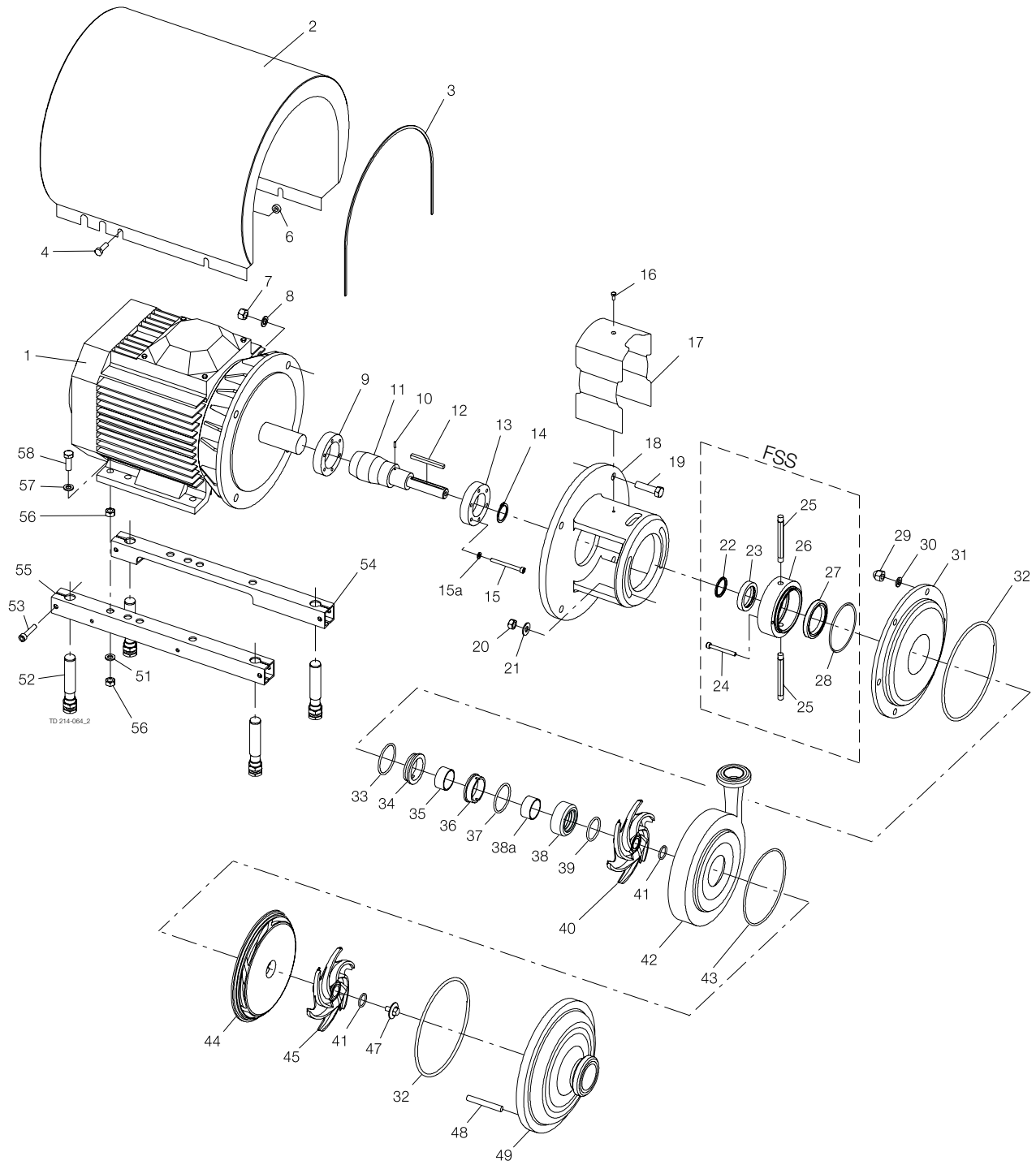


Pos	Qty	Denomination	40Hp	50Hp	60Hp	75Hp	100Hp
1	1	Special motor 3~,60Hz, 440-480VD -Standard	9612990501	9612990502	9612990503	9612990504	9612990505
<b>Tool</b>							
		Tool	9612927801				

Surface roughness, product wetted parts: Ra £ 0.8 mm (3A)

Pos	Qty	Denomination	40-100Hp
31	1	Black plate	9612389225
40	1	Impeller LKH-120P	9612590606
42	1	Pump casing, flange	9612592303
	1	Pump casing, clamp	9612592304
44	2	Guide vanes	9612590302
45	2	Impeller LKH-120P	9612590605
47	1	Impeller screw	9612591305
49	1	Pump cover, flange	9612592403
	1	Pump cover, clamp	9612592404
46	1	Intermediate casing	9612590903
17	1	Safety guard	9612131111

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	40-50Hp	60Hp	75Hp	100Hp
9	1	Compression ring with thread	9612133604	9612133604	9612133604	9612133607
10	1	Connex pin	9611990622	9611990622	9611990622	9611990622
11	1	Shaft and pin, (pos 10)	9612601202	9612601202	9612601202	9612601302
12	1	Key	9611992758	9611992758	9611992758	9611992758
13	1	Compression ring without thread	9612133704	9612133704	9612133704	9612133707
15	6	Screw	9611993198	9611993198	9611993198	9611993198
15a	6	Washer	9611993199	9611993199	9611993199	9611993199
16	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239
17	1	Safety guard set	9614077409	9614077409	9614077409	9614077409
18	1	Adaptor	9612342602	9612342602	9612342602	9612342602
19	4	Screw for adaptor	9611994415	9611994415	9611994415	9611994415
19a	4	Spring washer for adaptor	9611994418	9611994418	9611994418	9611994418
20	4	Nut	9611990353	9611990353	9611990353	9611990353
21	4	Washer	9611992559	9611992559	9611992559	9611992559
29	11	Cap nut	9611993685	9611993685	9611993685	9611993685
30	11	Washer	9611993684	9611993684	9611993684	9611993684
31	1	Back plate	9612389224	9612389224	9612389224	9612389224
32	□♦○■	3 O-ring, EPDM (standard)	9611993574	9611993574	9611993574	9611993574
		3 O-ring, NBR	9611993575	9611993575	9611993575	9611993575
35	1	Spacing ring	9612362503	9612362503	9612362503	9612362503
38	1	Rotating seal housing	9612604501	9612604501	9612604501	9612604501
60	1	Set of 14 springs for rotating sealhousing, (incl. In pos 38)	9611995849	9611995849	9611995849	9611995849
40	1	Impeller LKH-120P	9612590604	9612590604	9612590604	9612590604
41	□♦○■	3 O-ring, EPDM (standard)	9611993578	9611993578	9611993578	9611993578
		3 O-ring, NBR	9611993579	9611993579	9611993579	9611993579
42	1	Pump casing, flange	9612592301	9612592301	9612592301	9612592301
	1	Pump casing, clamp	9612592302	9612592302	9612592302	9612592302
43	□♦○■	2 O-ring, EPDM (standard)	9611993582	9611993582	9611993582	9611993582
	2	O-ring, NBR	9611993583	9611993583	9611993583	9611993583
44	2	Guide vanes	9612590302	9612590302	9612590302	9612590302
45	2	Impeller LKH-120P	9612590603	9612590603	9612590603	9612590603
46	1	Intermediate casing	9612590902	9612590902	9612590902	9612590902
47	1	Impeller screw	9612591304	9612591304	9612591304	9612591304
48	11	Bolt	9612363507	9612363507	9612363507	9612363507
49	1	Pump cover, flange	9612592401	9612592401	9612592401	9612592401
	1	Pump cover, clamp	9612592402	9612592402	9612592402	9612592402

Service kit for single shaft seal

	C/SiC	SiC/SiC
Service kit, EPDM	♦ 9611922934	■ 9611922679
Service kit, NBR	♦ 9611922935	■ 9611922680

Service kit for flushed shaft seal

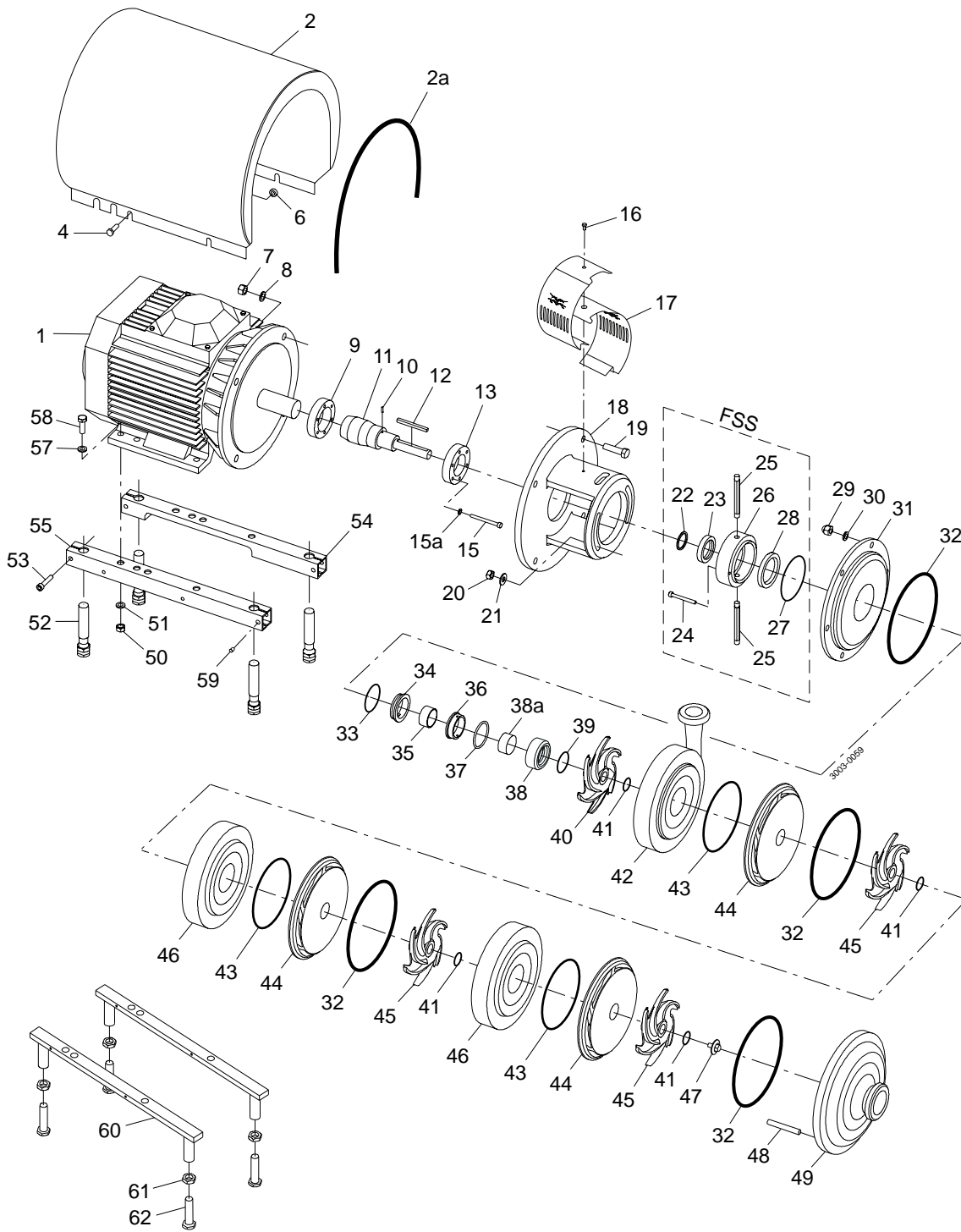
Service kit, EPDM	○ 9611922937	□ 9611922682
Service kit, NBR	○ 9611922938	□ 9611922683

Parts marked with □♦○■ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits

FSS = Flushed shaft seal



Legs for motor sizes 55-75 kW

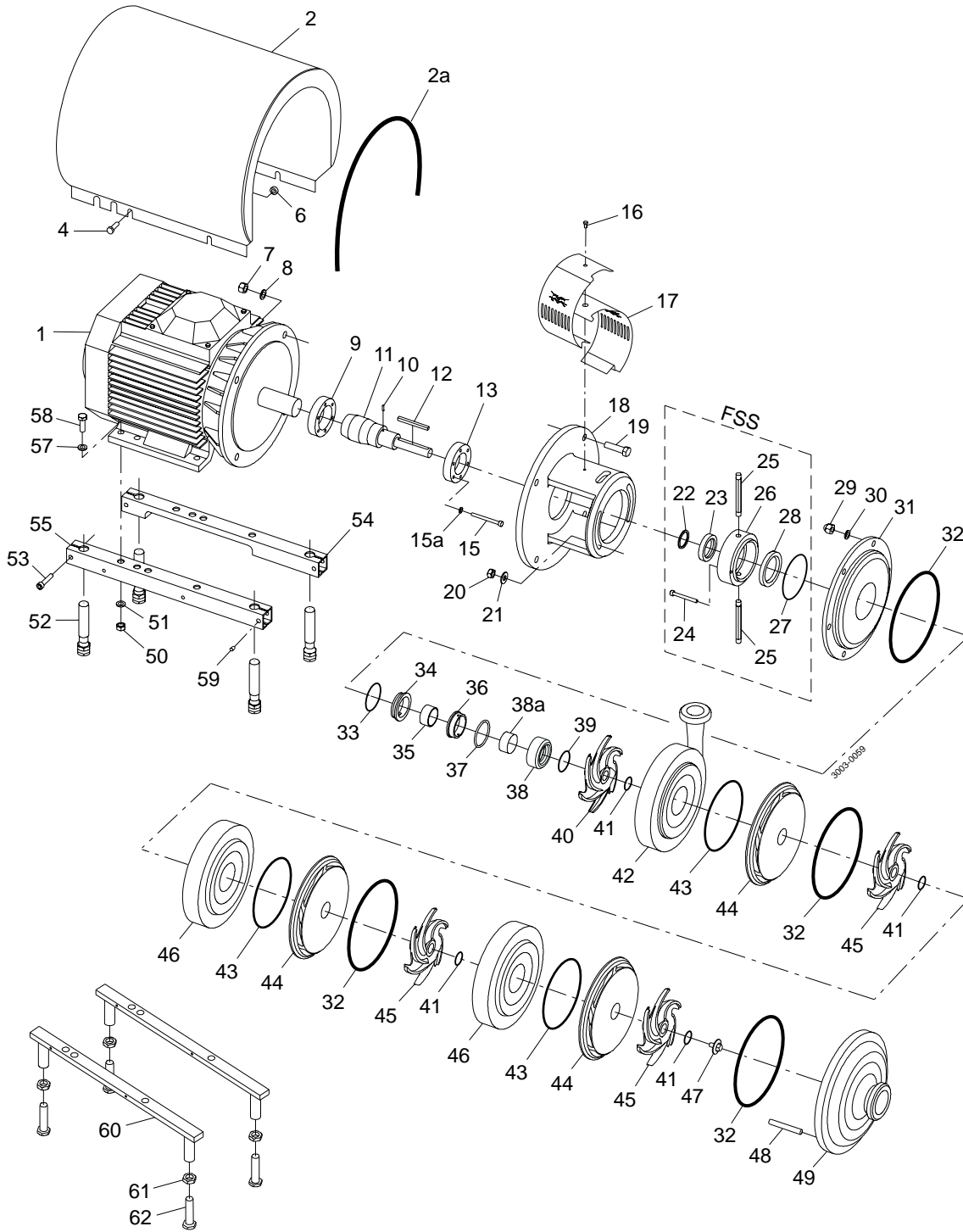


Pos	Qty	Denomination	30 kW IEC200	37 kW IEC200	45 kW IEC200	55 kW IEC250	75 kW IEC250
1	1	Motor, 3000rpm	9614289510	9614289511	9614289512	9614289513	9614289514
2	1	Shroud complete	9612593801	9612593801	9612593801	9612593804	9612593804
2a	1	Edge list, (incl. in pos. 2)					

3~,50 Hz, 230VD/400-415VY - Standard ≤ 22 kW and 400-415VD/690VY Standard > 22 kW  
 3~,60 Hz, 440-460VY - Standard ≤ 22 kW and 440-460VD Standard > 22 kW

Pos	Qty	Denomination	IEC200	IEC250
4	4	Screw	9611993243	9611993242
6	4	Distance sleeve	3143803903	3143803901
7	4	Nut for adaptor	9611992160	9611992160
8	4	Washer for adaptor	9611991886	9611991886
9	1	Compression ring with thread	9612133607	9612133608
10	1	Connex pin	9611990622	9611990622
11	1	Shaft and pin (pos.10)	9612592103	9612592203
12	1	Key	9611993474	9611993474
13	1	Compression ring without thread	9612133707	9612133708
15	6	Screw	9611993198	9611993266
15a	6	Washer	9611993199	9611993199
16	1	Screw for safety guard	9611993239	9611993239
17	1	Safety guard set	9614077404	9614077418
18	1	Adaptor	9612342701	9612591501
19	4	Screw for adaptor	9611992164	9611992200
20	4	Nut	9611990353	9611990353
21	4	Washer	9611992559	9611992559
29	11	Cap nut	9611993685	9611993685
30	11	Washer	9611993684	9611993684
31	1	Back plate	9612389224	9612389224
32	4	O-ring, EPDM (standard)	9611993574	9611993574
	4	O-ring, NBR	9611993575	9611993575
35	1	Spacing ring	9612362503	9612362503
38	1	Rotating seal housing	9612604501	9612604501
60	1	Set of 14 springs for rotating sealhousing, (incl. In pos 38)	9611995849	9611995849
40	1	Impeller LKH-120P	9612590604	9612590604
41	4	O-ring, EPDM (standard)	9611993578	9611993578
	4	O-ring, NBR	9611993579	9611993579
42	1	Pump casing, flange	9612592301	9612592301
	1	Pump casing, clamp	9612592302	9612592302
43	3	O-ring, EPDM (standard)	9611993582	9611993582
	3	O-ring, NBR	9611993583	9611993583
44	3	Guide vanes	9612590302	9612590302
45	3	Impeller LKH-120P	9612590603	9612590603
46	2	Intermediate casing	9612590902	9612590902
47	1	Impeller screw	9612591304	9612591304
	1	Impeller screw, (period -0211)	9612591301	9612591301
48	11	Bolt	9612363508	9612363508
49	1	Pump cover, flange	9612592401	9612592401
	1	Pump cover, clamp	9612592402	9612592402
<b>Legs</b>				
50	4	Nut	9611990587	9611990935
51	4	Spring washer	9611990676	9611993267
52	4	Leg	9612396701	
53	4	Screw	9611991907	
54	1	Support bar, left	9612342201	
55	1	Support bar, right	9612342201	
57	4	Washer	9611990706	9611993269
58	4	Screw	9611993680	9611993268
59	4	Pivot screw	9611991763	
60	2	Leg bracket		9612518401
61	4	Nut for leg		9611993260
62	4	Screw for leg		9612518501
<b>Tool</b>				
		Tool	9612927801	

FSS = Flushed shaft seal



Legs for motor sizes 55-75 kW

	C/SiC	SiC/SiC
<b>Service kit for single shaft seal</b>		
Service kit, EPDM .....	□ 9611922940	○ 9611922685
Service kit, NBR .....	□ 9611922941	○ 9611922686
<b>Service kit for flushed shaft seal</b>		
Service kit, EPDM .....	◆ 9611922943	★ 9611922688
Service kit, NBR .....	◆ 9611922944	★ 9611922689

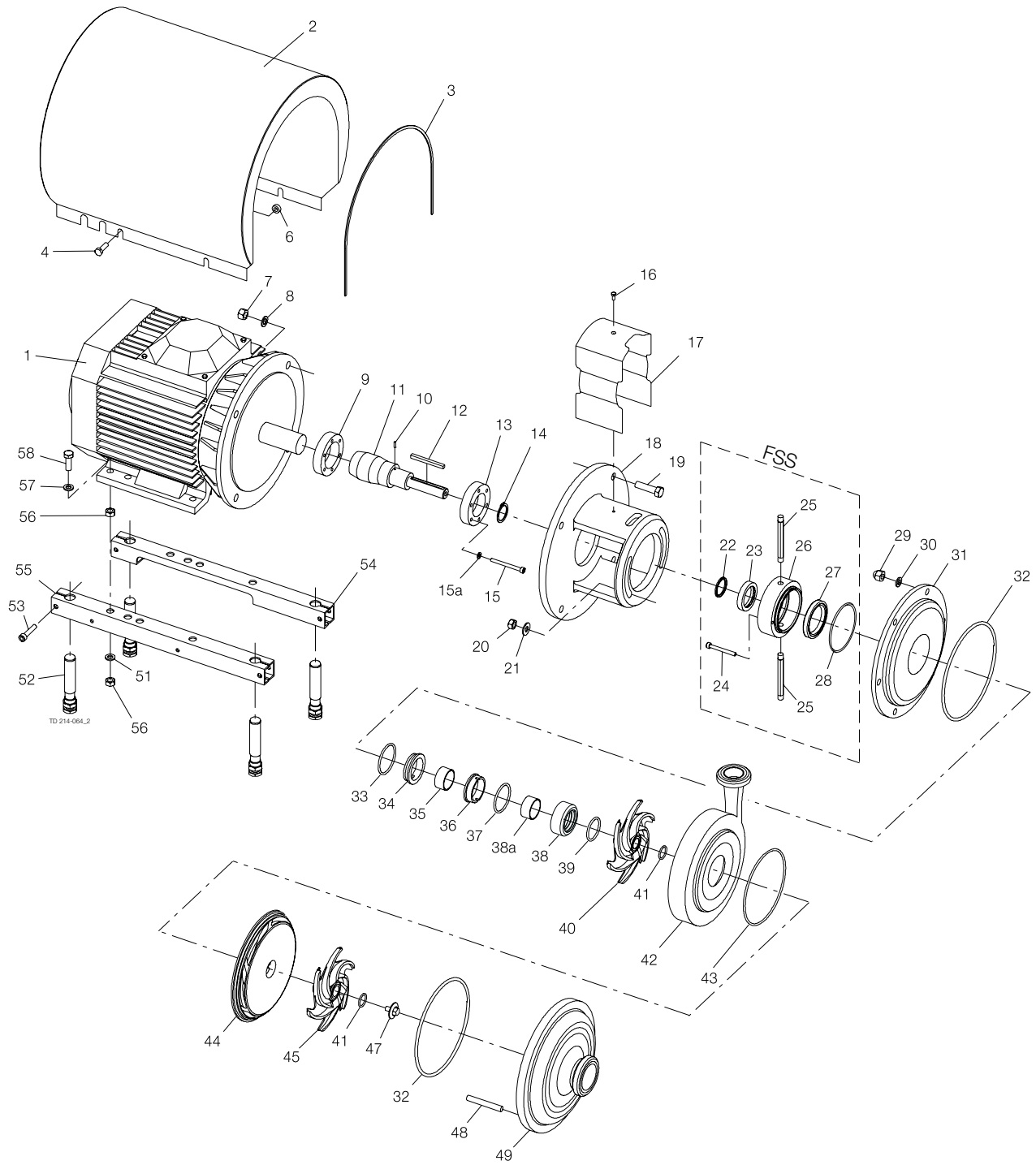
Parts marked with □◆○★ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits.

(900236/9)

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	40Hp	50Hp	60Hp	75Hp	100Hp
1	1	Special motor	9612990501	9612990502	9612990503	9612990504	9612990505

3-,60Hz, 440-480VD -Standard

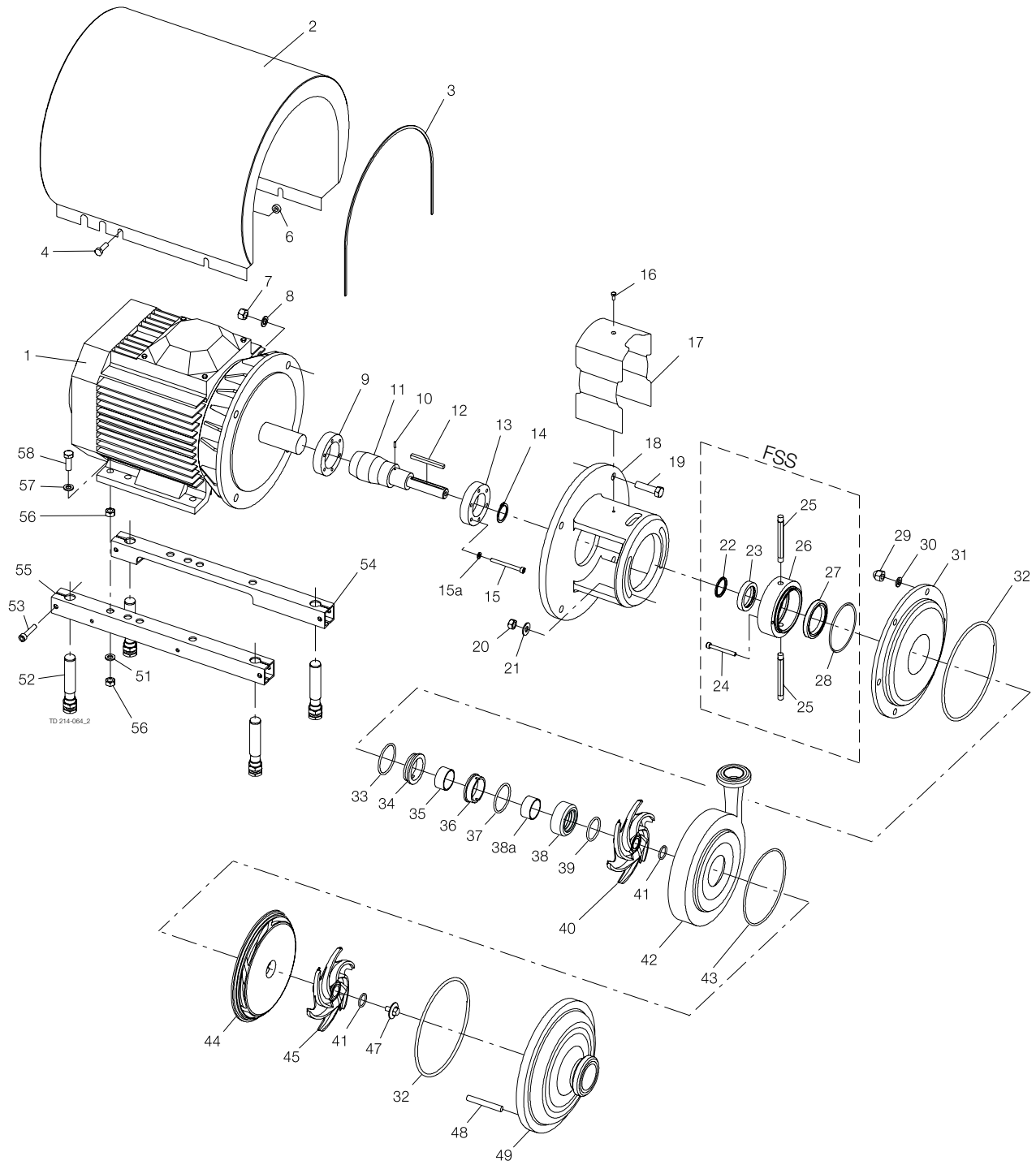
**Tool**

Tool	9612927801
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Surface roughness, product wetted parts: Ra £ 0.8 mm (3A)

Pos	Qty	Denomination	40-100Hp
31	1	Back plate	9612389225
40	1	Impeller LKH-120P	9612590606
42	1	Pump casing, flange	9612592303
	1	Pump casing, clamp	9612592304
44	3	Guide vanes	9612590302
45	3	Impeller LKH-120P	9612590605
47	1	Impeller screw	9612591305
49	1	Pump cover, flange	9612592403
	1	Pump cover, clamp	9612592404
46	2	Intermediate casing	9612590903
17	1	Safety guard	9612131111

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	40-50Hp	60Hp	75Hp	100Hp
9	1	Compression ring with thread . . . . .	9612133604	9612133604	9612133604	9612133607
10	1	Connex pin . . . . .	9611990622	9611990622	9611990622	9611990622
11	1	Shaft and pin, (pos 10) . . . . .	9612601203	9612601203	9612601203	9612601303
12	1	Key . . . . .	9611992758	9611992758	9611992758	9611992758
13	1	Compression ring without thread . . . . .	9612133704	9612133704	9612133704	9612133707
15	6	Screw . . . . .	9611993198	9611993198	9611993198	9611993198
15a	6	Washer . . . . .	9611993199	9611993199	9611993199	9611993199
16	1	Screw for safety guard . . . . .	9611993239	9611993239	9611993239	9611993239
17	1	Safety guard set . . . . .	9614077409	9614077409	9614077409	9614077409
18	1	Adaptor . . . . .	9612342602	9612342602	9612342602	9612342602
19	4	Screw for adaptor . . . . .	9611994415	9611994415	9611994415	9611994415
19a	4	Spring washer for adaptor . . . . .	9611994418	9611994418	9611994418	9611994418
20	4	Nut . . . . .	9611990353	9611990353	9611990353	9611990353
21	4	Washer . . . . .	9611992559	9611992559	9611992559	9611992559
29	11	Cap nut . . . . .	9611993685	9611993685	9611993685	9611993685
30	11	Washer . . . . .	9611993684	9611993684	9611993684	9611993684
31	1	Back plate . . . . .	9612389224	9612389224	9612389224	9612389224
32	4	O-ring, EPDM (standard) . . . . .	9611993574	9611993574	9611993574	9611993574
	4	O-ring, NBR . . . . .	9611993575	9611993575	9611993575	9611993575
35	1	Spacing ring . . . . .	9612362503	9612362503	9612362503	9612362503
38	1	Rotating seal housing . . . . .	9612604501	9612604501	9612604501	9612604501
60	1	Set of 14 springs for rotating sealhousing, (incl. In pos 38) . . . . .	9611995849	9611995849	9611995849	9611995849
40	1	Impeller LKH-120P . . . . .	9612590604	9612590604	9612590604	9612590604
41	4	O-ring, EPDM (standard) . . . . .	9611993578	9611993578	9611993578	9611993578
	4	O-ring, NBR . . . . .	9611993579	9611993579	9611993579	9611993579
42	1	Pump casing, flange . . . . .	9612592301	9612592301	9612592301	9612592301
	1	Pump casing, clamp . . . . .	9612592302	9612592302	9612592302	9612592302
43	3	O-ring, EPDM (standard) . . . . .	9611993582	9611993582	9611993582	9611993582
	3	O-ring, NBR . . . . .	9611993583	9611993583	9611993583	9611993583
44	3	Guide vanes . . . . .	9612590302	9612590302	9612590302	9612590302
45	3	Impeller LKH-120P . . . . .	9612590603	9612590603	9612590603	9612590603
46	2	Intermediate casing . . . . .	9612590902	9612590902	9612590902	9612590902
47	1	Impeller screw . . . . .	9612591304	9612591304	9612591304	9612591304
48	11	Bolt . . . . .	9612363508	9612363508	9612363508	9612363508
49	1	Pump cover, flange . . . . .	9612592401	9612592401	9612592401	9612592401
	1	Pump cover, clamp . . . . .	9612592402	9612592402	9612592402	9612592402

C/SIC SiC/SiC

**Service kit for single shaft seal**

Service kit, EPDM . . . . .	◆ 9611922940	■ 9611922685
Service kit, NBR . . . . .	◆ 9611922941	■ 9611922686

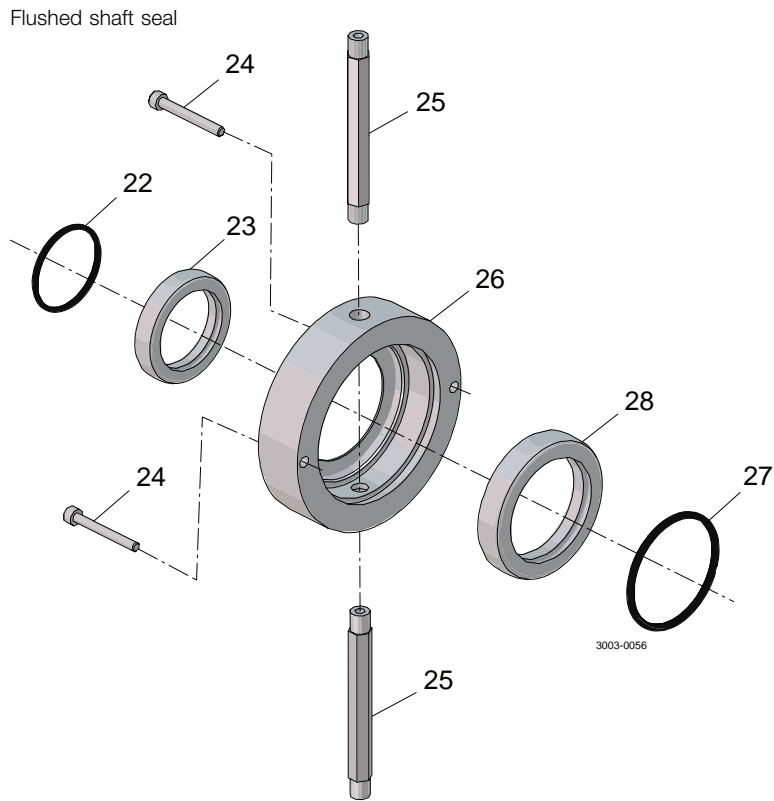
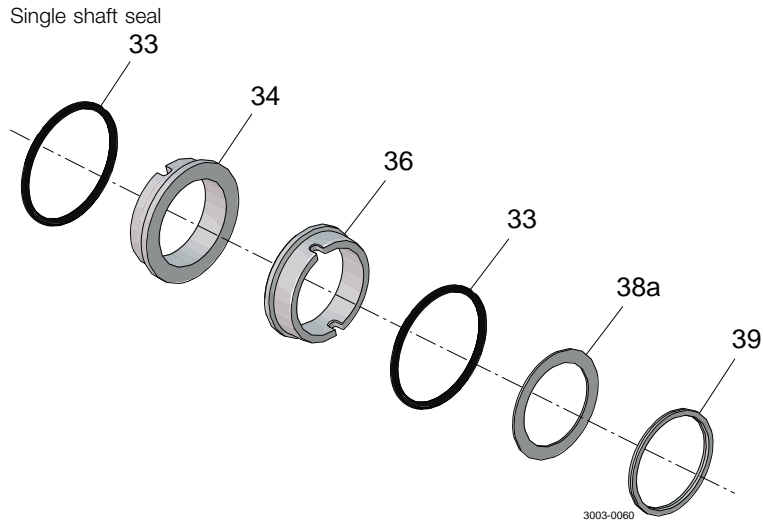
**Service kit for flushed shaft seal**

Service kit, EPDM . . . . .	○ 9611922943	□ 9611922688
Service kit, NBR . . . . .	○ 9611922944	□ 9611922689

Parts marked with ◆◆■ are included in the service kits.

Conversion single to flushed shaft seal : Please order flushed service kit + pos. 23+24+25+26

Recommended Spare parts: Service kits





Pos	Qty	Denomination	30-75kW
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**For flushed shaft seal**

22	♦♦	1	O-ring, EPDM	9611993586
23		1	Sleeve	9612362903
24		2	Screw	9611994038
25		2	Tube	9612358909
26		1	Seal housing for flushed seal	9612362603
27	♦♦	1	O-ring, EPDM	9611992753
28	♦♦	1	Lip seal	9611993587

Pos	Qty	Denomination	EPDM (standard)	NBR
	□♦	Shaft seal complete	9612602401	9612602402
34	1	Stationary seal ring, Sic.		
36	1	Rotating seal ring, Carbon		
33	2	O-ring		
38a	1	Support ring		
39	1	O-ring		

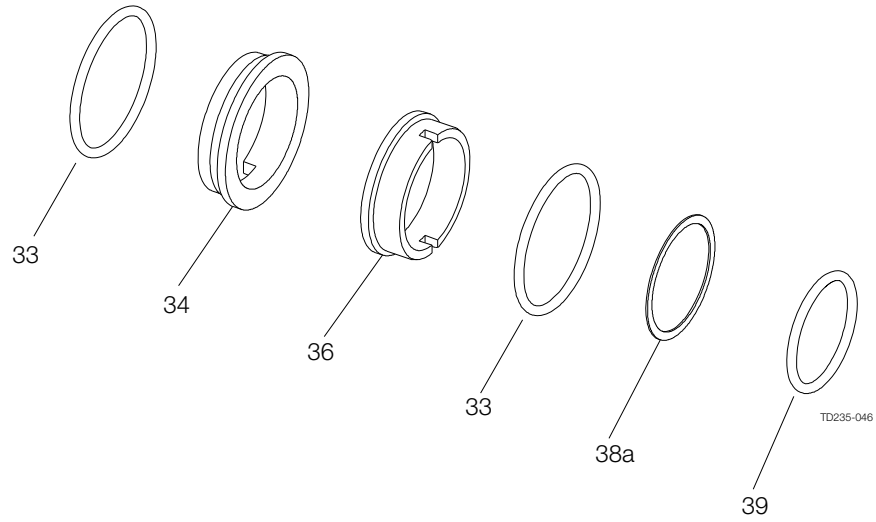
Pos	Qty	Denomination	EPDM	NBR
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**Alternatives**

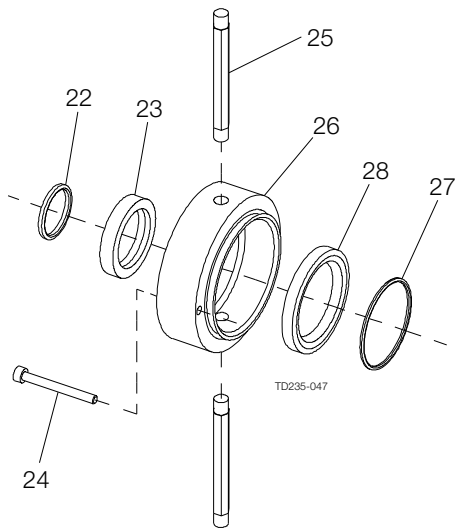
	○*	Shaft seal complete	9612602404	9612602405
34	1	Stationary seal ring, Sic.		
36	1	Rotating seal ring, Sic.		
33	2	O-ring		
38a	1	Support ring		
39	1	O-ring		

(900237/6)

Single shaft seal



Flushed shaft seal



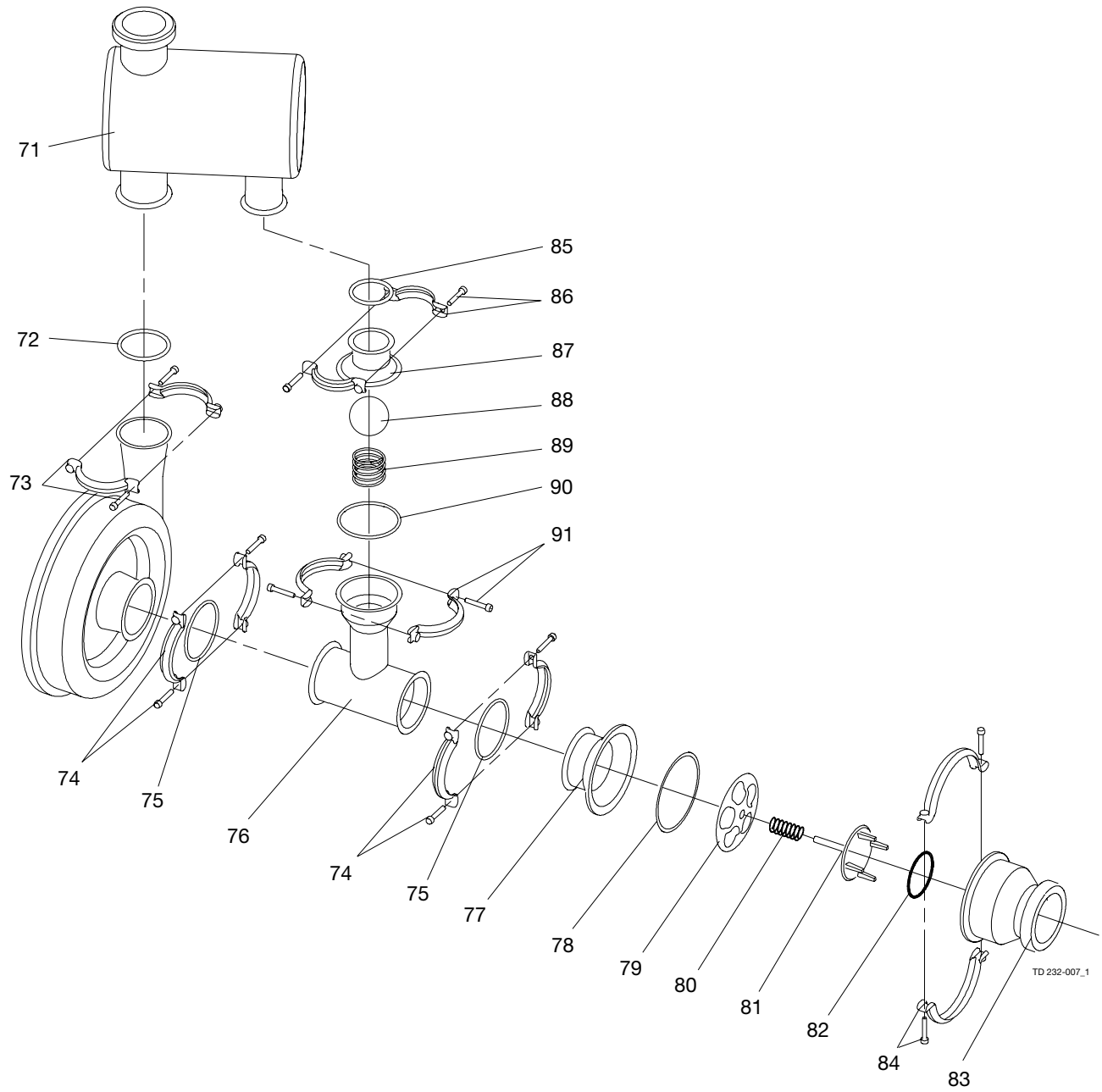
Pos	Qty	Denomination	40-100Hp
<b>For flushed shaft seal</b>			
22	◆○ 1	O-ring, EPDM	9611993586
23	◆○ 1	Sleeve	9612362903
24	2	Screw	9611994038
25	2	Tube, (-04 2014)	9612358910
	2	Tube, (04 2014-)	9612358919
26	1	Seal housing for flushed seal, (-04 2014)	9612362603
	1	Seal housing for flushed seal, (04 2014-)	9612362607
27	◆○ 1	O-ring, EPDM	9611992753
28	◆○ 1	Lip seal	9611993587

Pos	Qty	Denomination	EPDM (standard)	NBR
	◆○	Shaft seal complete	9612602401	9612602402
34	1	Stationary seal ring, SiC		
36	1	Rotating seal ring, Carbon		
33	3	O-ring, EPDM		
38a	1	Support ring		
39	1	O-ring, EPDM		

Pos	Qty	Denomination	EPDM	NBR
<b>Alternatives</b>				
	□■	Shaft seal complete	9612602404	9612602405
34	1	Stationary seal ring, SiC		
36	1	Rotating seal ring, SiC		
33	2	O-ring, EPDM		
38a	1	Support ring		
39	1	O-ring		

(900251/4)

*Not manufactured anymore*



TD 232-007\_1

Pos	Qty	Denomination	LKHSP-10	LKHSP-20	LKHSP-25	LKHSP-35	LKHSP-40
71	1	Tank complete, SMS					
	1	Tank complete, IDF					
	1	Tank complete, BS					
	1	Tank complete, DIN					
	1	Tank complete, ISO-clamp					
	1	Tank complete, DS					
72	□	1 Seal ring, ISO-clamp, EPDM (standard)	9611991360	9611991360	9611991361	9611991360	9611991361
	1	Seal ring, ISO-clamp, NBR	9611990767	9611990767	9611990768	9611990767	9611990768
	1	Seal ring, ISO-clamp, FPM	9611991892	9611991892	9611991893	9611991892	9611991893
73	1	Clamp ring complete	9611311052	9611311052	9611311053	9611311053	9611311053
74	2	Clamp ring complete	9611311053	9611311053	9611311054	9611311053	9611311054
75	□	2 Seal ring, ISO-clamp, EPDM (standard)	9611991361	9611991361	9611991362	9611991361	9611991362
	2	Seal ring, ISO-clamp, NBR	9611990768	9611990768	9611990769	9611990768	9611990769
	2	Seal ring, ISO-clamp, FPM	9611991893	9611991893	9611991894	9611991893	9611991894
76	1	Tee, ISO-clamp					
77	1	Liner, ISO-clamp					
78	□	1 Seal ring, EPDM (standard)	9611253153	9611253153	9611253154	9611253153	9611253154
	1	Seal ring, NBR	9611253813	9611253813	9611253814	9611253813	9611253814
	1	Seal ring, FPM	9611253823	9611253823	9611253824	9611253823	9611253824
79	1	Guide plate	9612220804	9612220804	9612220805	9612220804	9612220805
80	1	Spring	9611991680	9611991680	9611991681	9611991680	9611991681
81	1	Valve cone	9612220704	9612220704	9612220705	9612220704	9612220705
82	□	1 O-ring, EPDM (standard)	9611990065	9611990065	9611990066	9611990065	9611990066
	1	O-ring, NBR	9611991413	9611991413	9611991414	9611991413	9611991414
	1	O-ring, FPM	9611991420	9611991420	9611991421	9611991420	9611991421
83	1	Valve body, SMS					
	1	Valve body, IDF					
	1	Valve body, BS					
	1	Valve body, DIN					
	1	Valve body, ISO-clamp					
	1	Valve body, DS					
84	1	Clamp ring complete	9611311055	9611311055	9611311056	9611311055	9611311056
85	□	1 Seal ring, ISO-clamp, EPDM (standard)	9611991360	9611991360	9611991360	9611991360	9611991360
	1	Seal ring, ISO-clamp, NBR	9611990767	9611990767	9611990767	9611990767	9611990767
	1	Seal ring, ISO-clamp, FPM	9611991892	9611991892	9611991892	9611991892	9611991892
86	1	Clamp complete	9611311052	9611311052	9611311052	9611311052	9611311052
87	1	Welding liner, ISO-clamp					
88	1	Ball, PP	9612541301	9612541301	9612541301	9612541301	9612541301
89	1	Spring	9612535401	9612535401	9612535401	9612535401	9612535401
90	□	1 Seal ring, EPDM (standard)	9611991362	9611991362	9611991362	9611991362	9611991362
	1	Seal ring, NBR	9611990769	9611990769	9611990769	9611990769	9611990769
	1	Seal ring, FPM	9611991894	9611991894	9611991894	9611991894	9611991894
91	2	Clamp ring complete	9611311054	9611311054	9611311054	9611311054	9611311054
				LKHSP -10/ -20/, -35	LKHSP -25/ - 40		
<b>Service kit, EPDM</b>			<b>9611922248</b>	<b>9611922251</b>			
<b>Service kit, NBR</b>			<b>9611922249</b>	<b>9611922252</b>			
<b>Service kit, FPM</b>			<b>9611922250</b>	<b>9611922253</b>			

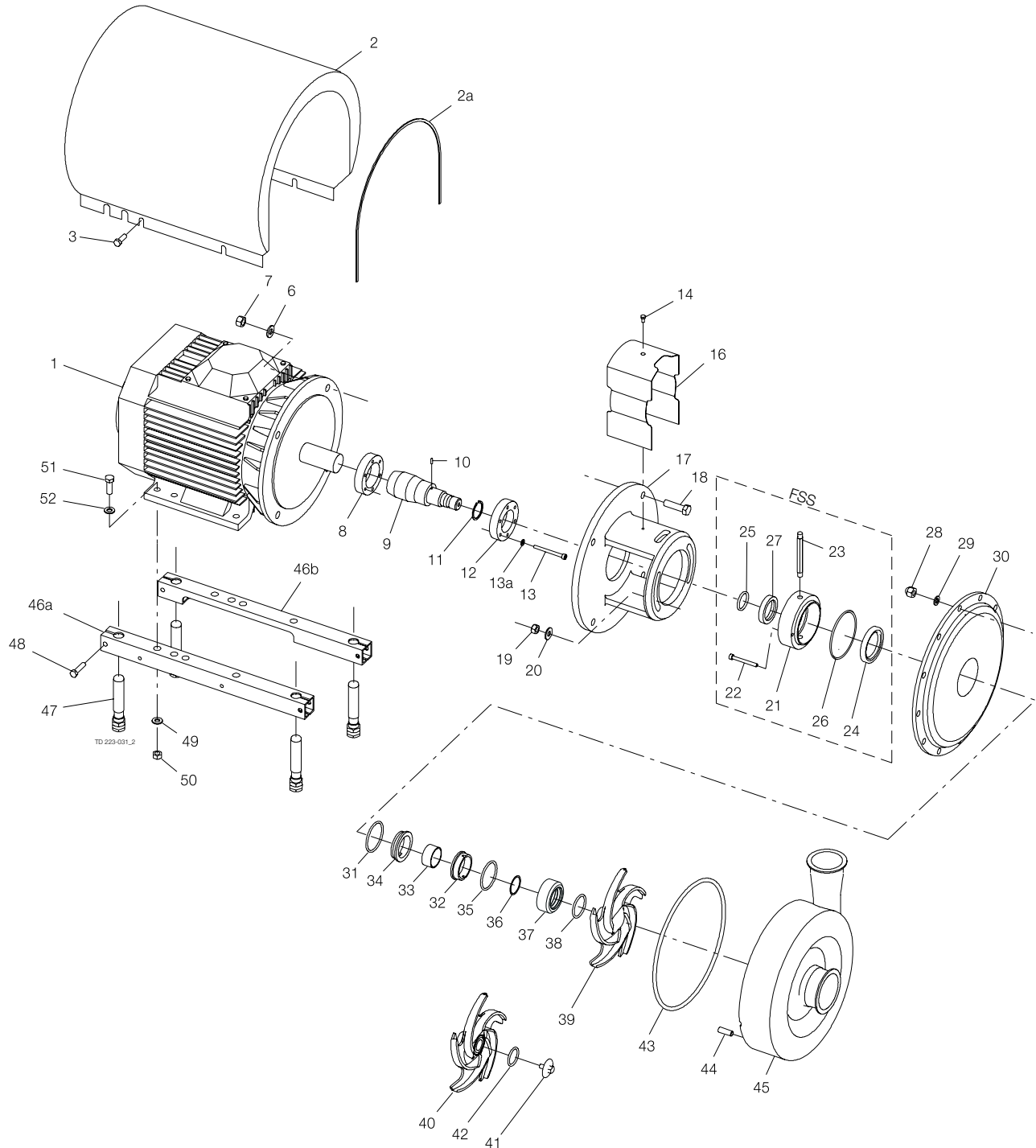
Parts marked with □ are included in the service kits.

Recommended spare parts: service kits.

(900025/3)

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	1.5 kw	2.2 kw	4 kw
1	1	*Motor, 220/240 VΔ	9612418901	9612418903	9612418907
	1	*Motor, 380/420 VΔ	9612418902	9612418904	9612418908
2	1	Shroud	9612139001	9612139001	9612139003
2a	1	Edge list (Included in pos. 2)			

\*Motors are with special ball bearing.

Pos	Qty	Denomination	1.5-2.2 kW	4 kW
3	4	Screw	9611993240	9611993240
6	4	Washer for adaptor	9611991887	9611990676
7	4	Nut for adaptor	9611990353	9611990587
8	1	Compression ring with thread	9612133601	9612133602
9	1	Shaft, with internal/external thread and pin (pos.10)		9612132502
	1	Shaft, with internal/external thread, pin (pos.10) and retaining ring (pos.11)	9612132402	
10	1	Connex pin	9611990622	9611990622
11	1	Retaining ring	9611992307	
12	1	Compression ring without thread	9612133701	9612133702
13	6	Screw	9611993196	9611993196
13a	6	Washer	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239
16	1	Safety guard	9612131105	9612131106
17	1	Adaptor	9612342301	9612342401
18	4	Screw for adaptor	9611992161	9611991834
19	2	Nut	9611990353	9611990353
20	2	Washer	9611992559	9611992559
28	10	Cap nut	9611992592	9611992592
29	10	Washer	9611991888	9611991888
30	1	Back plate	9612483701	9612483701
33	1	Spacing ring	9612362502	9612362502
37	1	Rotating seal housing	9612362401	9612362401
39	1	Impeller	9612408107	9612408101
43	□♦○★	Joint ring, EPDM, (standard)	9611992137	9611992137
	1	Joint ring, NBR	9611992139	9611992139
	1	Joint ring, FPM	9611992138	9611992138
44	10	Bolt	9611992168	9611992168
45	1	Pump casing, Flange		
	1	Pump casing, Clamp	9612484006	9612484006

**Legs**

46a	1	Support bar, right	9612132201	9612132205
46b	1	Support bar, left	9612132301	9612132305
47	4	Leg	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907
49	4	Spring washer	9611991888	9611991887
50	4	Nut	9611990360	9611990353
51	4	Screw	9611993241	9611991911
52	4	Washer		9611990786

**Alternatives**

40	1	Impeller for impeller screw	9612408108	9612408102
41	1	Impeller screw	9612139601	9612139601
42	♦★	O-ring, EPDM	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146

Pos	Qty	Denomination	1.5-4 kW
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**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358901
27	○★	Sleeve	9612362902

Surface roughness, product wetted parts: Ra ≤ 0.8 μm

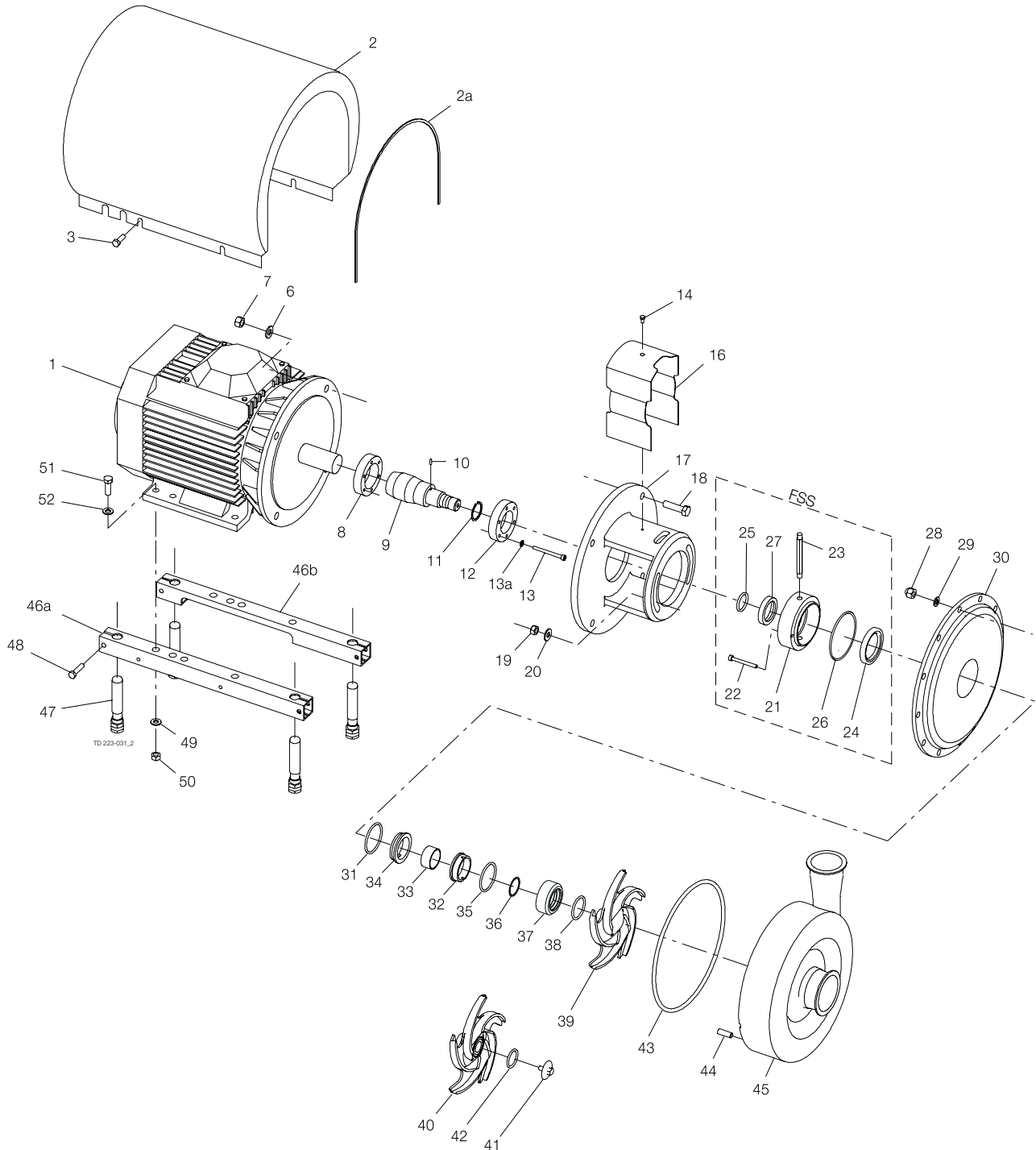
Pos	Qty	Denomination	1.5-2.2 kW	4 kW
30	1	Back plate	9612483710	9612483710
39	1	Impeller	9612408115	9612408105
45	1	Pump casing, Flange	9612484016	9612484016
	1	Pump casing, Clamp	9612484021	9612484021

**Alternatives**

40	1	Impeller for impeller screw	9612408116	9612408106
41	1	Impeller screw	9612139603	9612139603

*Not manufactured anymore*

FSS = Flushed Shaft Seal





Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Single shaft seal</b>					
	□♦	Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed shaft seal</b>					
	○★	Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

1.5-4 kW

<b>Single shaft seal</b>		
	Service kit, EPDM.	□ 9611922139
	Service kit, NBR.	□ 9611922140
	Service kit, FPM.	□ 9611922141
<b>Single shaft seal and impeller screw</b>		
	Service kit, EPDM.	♦ 9611922142
	Service kit, NBR.	♦ 9611922143
	Service kit, FPM.	♦ 9611922144
<b>Flushed shaft seal</b>		
	Service kit, EPDM.	○ 9611922145
	Service kit, FPM.	○ 9611922147
<b>Flushed shaft seal and impeller screw</b>		
	Service kit, EPDM.	★ 9611922148

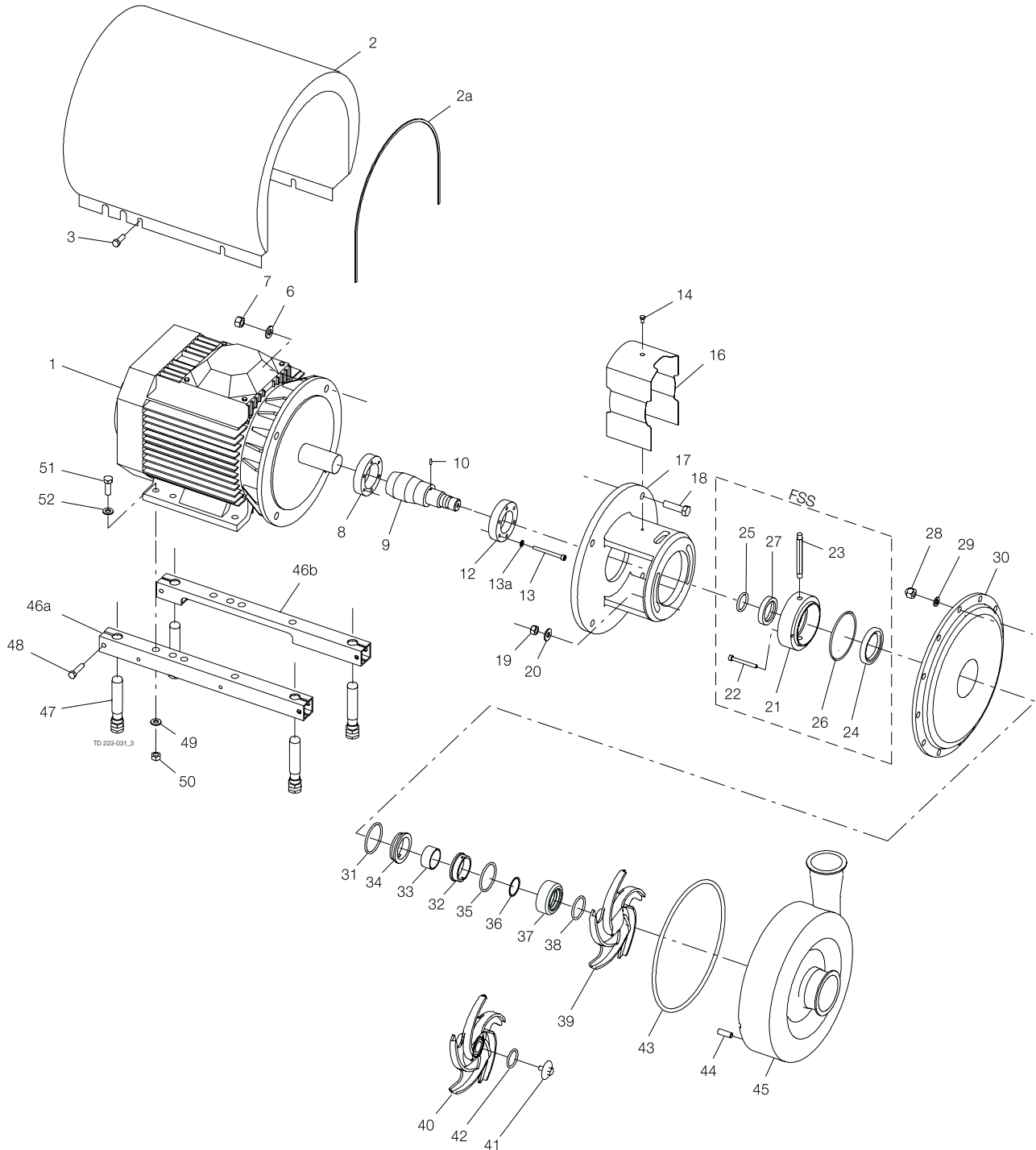
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	4 kw	5.5 kw
1	1	*Motor 220/240 VD	9612418907	9612418909
	1	*Motor 380/420 VD	9612418908	9612418910
2	1	Shroud	9612139003	9612139008
2a	1	Edge list (Included in pos. 2)		

\*Motors are with special ball bearing.

Pos	Qty	Denomination	4 kw	5.5 kw
3	4	Screw	9611993240	9611993240
5	4	Distance sleeve		9611992737
6	4	Washer for adaptor	9611990676	9611990676
7	4	Nut for adaptor	9611990587	9611990587
8	1	Compression ring with thread	9612133602	9612133605
9	1	Shaft, with internal/external thread and pin (pos.10)	9612132602	9612132602
10	1	Connex pin	9611990622	9611990622
12	1	Compression ring without thread	9612133702	9612133705
13	6	Screw	9611993196	9611993197
13a	6	Washer	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239
16	1	Safety guard	9612131106	9612131107
17	1	Adaptor	9612342401	9612342501
18	4	Screw for adaptor	9611991834	9611992162
19	2	Nut	9611990353	9611990353
20	2	Washer	9611992559	9611992559
28	10	Cap nut	9611992592	9611992592
29	10	Washer	9611991888	9611991888
30	1	Back plate	9612483701	9612483701
33	1	Spacing ring	9612362502	9612362502
37	1	Rotating seal housing	9612362401	9612362401
39	1	Impeller	9612510207	9612510207
43	□♦○★	Joint ring, EPDM, (standard)	9611992137	9611992137
	1	Joint ring, NBR	9611992139	9611992139
	1	Joint ring, FPM	9611992138	9611992138
44	10	Bolt	9611992168	9611992168
45	1	Pump casing, Flange	9612511701	9612511701
	1	Pump casing, Clamp	9612511705	9612511705

**Legs**

46a	1	Support bar, right	9612132205	9612132206
46b	1	Support bar, left	9612132305	9612132306
47	4	Leg	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907
49	4	Spring washer	9611991887	9611991887
50	4	Nut	9611990353	9611990353
51	4	Screw	9611991911	9611991911
52	4	Washer	9611990786	9611990786

**Alternatives**

40	1	Impeller for impeller screw	9612510208	9612510208
41	1	Impeller screw	9612139601	9612139601
42	♦★	O-ring, EPDM	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146

Pos	Qty	Denomination	1.5-4 kW
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**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358901
27	○★	Sleeve	9612362902

Surface roughness, product wetted parts: Ra ≤ 0.8 µm

Pos	Qty	Denomination	4-5.5 kW
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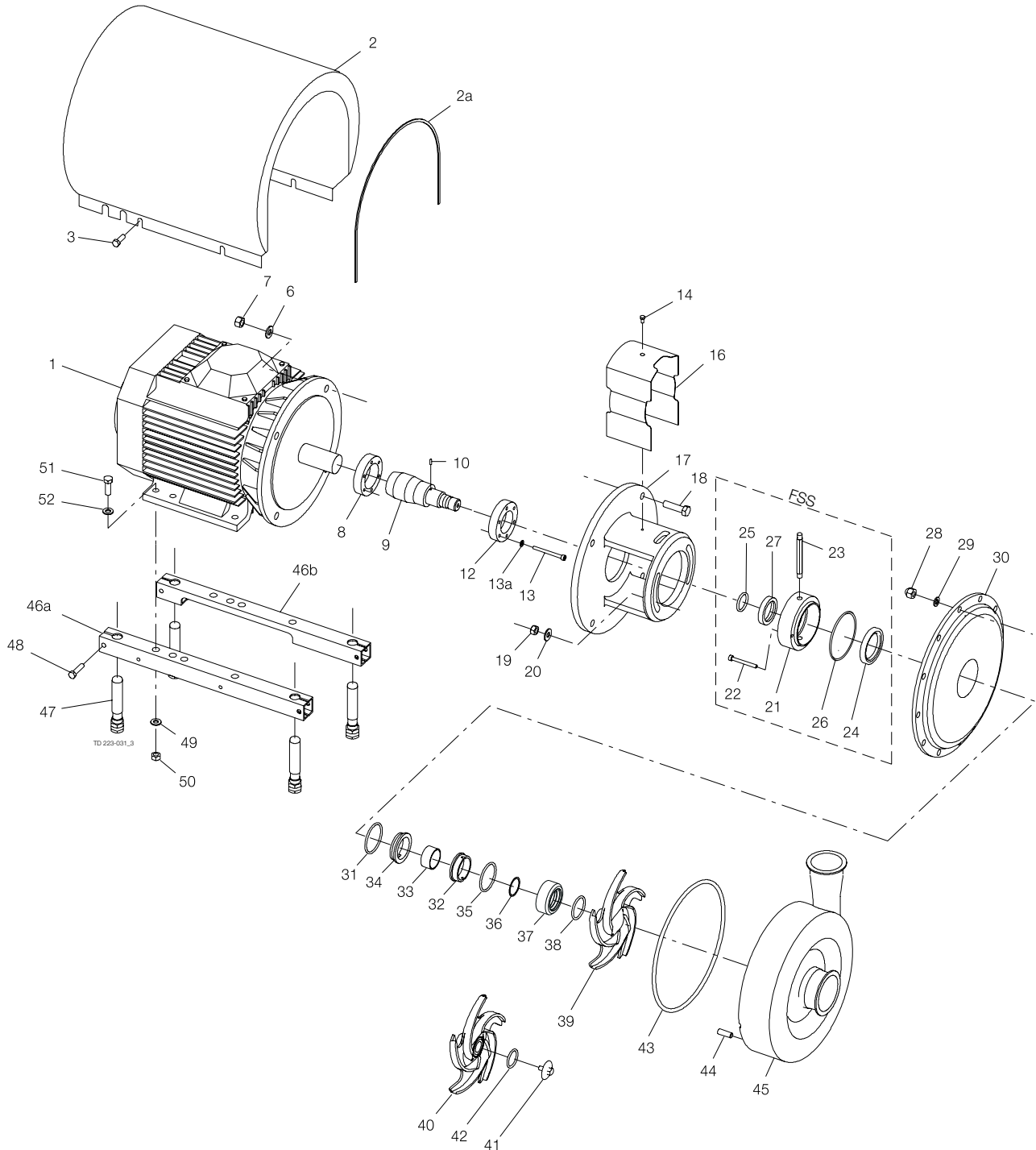
30	1	Back plate	9612483710
39	1	Impeller	9612510209
45	1	Pump casing, Flange	9612511713
	1	Pump casing, Clamp	9612511717

**Alternatives**

40	1	Impeller for impeller screw	9612510210
41	1	Impeller screw	9612139603

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Single shaft seal</b>					
	□♦	Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed shaft seal</b>					
	○★	Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

4-5.5 kW

<b>Single shaft seal</b>		
	Service kit, EPDM.	□ 9611922139
	Service kit, NBR.	□ 9611922140
	Service kit, FPM.	□ 9611922141
<b>Single shaft seal and impeller screw</b>		
	Service kit, EPDM.	♦ 9611922142
	Service kit, NBR.	♦ 9611922143
	Service kit, FPM.	♦ 9611922144
<b>Flushed shaft seal</b>		
	Service kit, EPDM.	○ 9611922145
	Service kit, FPM.	○ 9611922147
<b>Flushed shaft seal and impeller screw</b>		
	Service kit, EPDM.	★ 9611922148

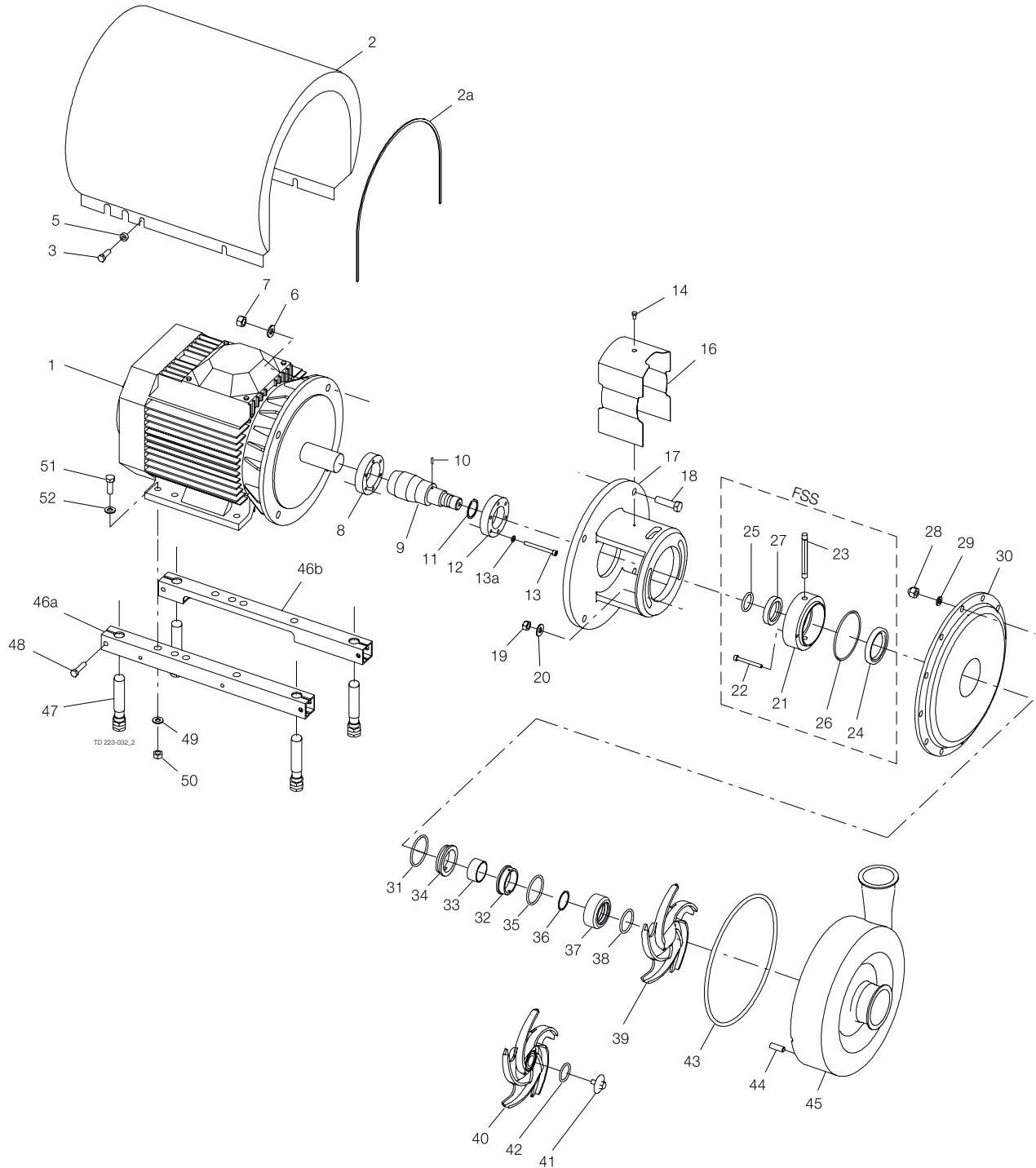
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	1.5 kW	2.2 kW	4 kW	5.5 kW	7.5 kW
1	1	*Motor, 220/240 VΔ	9612418901	9612418903	9612418907	9612418909	9612418911
	1	*Motor, 380/420 VΔ	9612418902	9612418904	9612418908	9612418910	9612418912
2	1	Shroud	9612139001	9612139001	9612139003	9612139008	9612139008
2a	1	Edge list (Included in pos. 2)					

\* Motors are with special ball bearing.

Pos	Qty	Denomination	1.5-2.2 kW	4 kW	5.5-7.5 kW
3	4	Screw	9611993240	9611993240	9611993240
5	4	Distance sleeve			9611992737
6	4	Washer for adaptor	9611991887	9611990676	9611990676
7	4	Nut for adaptor	9611990353	9611990587	9611990587
8	1	Compression ring with thread	9612133601	9612133602	9612133605
9	1	Shaft, with internal/external thread and pin (pos.10)		9612132502	9612132602
	1	Shaft, with internal/external thread, pin (pos.10) and retaining ring (pos.11)	9612132402		
10	1	Connex pin	9611990622	9611990622	9611990622
11	1	Retaining ring	9611992307		
12	1	Compression ring without thread	9612133701	9612133702	9612133705
13	6	Screw	9611993196	9611993196	9611993197
13a	6	Washer	9611993199	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239	9611993239
16	1	Safety guard	9612131105	9612131106	9612131107
17	1	Adaptor	9612342301	9612342401	9612342501
18	4	Screw for adaptor	9611992161	9611991834	9611992162
19	2	Nut	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559
28	10	Cap nut	9611992592	9611992592	9611992592
29	10	Washer	9611991888	9611991888	9611991888
30	1	Back plate	9612483702	9612483702	9612483702
33	1	Spacing ring	9612362502	9612362502	9612362502
37	1	Rotating seal housing	9612362401	9612362401	9612362401
39	1	Impeller	9612408207	9612408201	9612408201
43	□♦○*	1 Joint ring, EPDM (standard)	9611992141	9611992141	9611992141
		1 Joint ring, NBR	9611992143	9611992143	9611992143
		1 Joint ring, FPM	9611992142	9611992142	9611992142
44	10	Bolt	9611992168	9611992168	9611992168
45	1	Pump casing, Flange	9612484002	9612484002	9612484002
	1	Pump casing, Clamp			

#### Legs

46a	1	Support bar, right	9612132201	9612132205	9612132206
46b	1	Support bar, left	9612132301	9612132305	9612132306
47	4	Leg	9612396701	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907	9611991907
49	4	Spring washer	9611991888	9611991887	9611991887
50	4	Nut	9611990360	9611990353	9611990353
51	4	Screw	9611993241	9611991911	9611991911
52	4	Washer		9611990786	9611990786

#### Alternatives

40	1	Impeller for impeller screw	9612408208	9612408202	9612408202
41	1	Impeller screw	9612139601	9612139601	9612139601
42	♦*	1 O-ring, EPDM	9611992145	9611992145	9611992145
		1 O-ring, NBR	9611992147	9611992147	9611992147
		1 O-ring, FPM			

Pos	Qty	Denomination	1.5-7.5 kW
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#### Parts for flushed shaft seal

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358901
27	○*	1 Sleeve	9612362902

Surface roughness, product wetted parts: Ra ≤ 0.8 μm

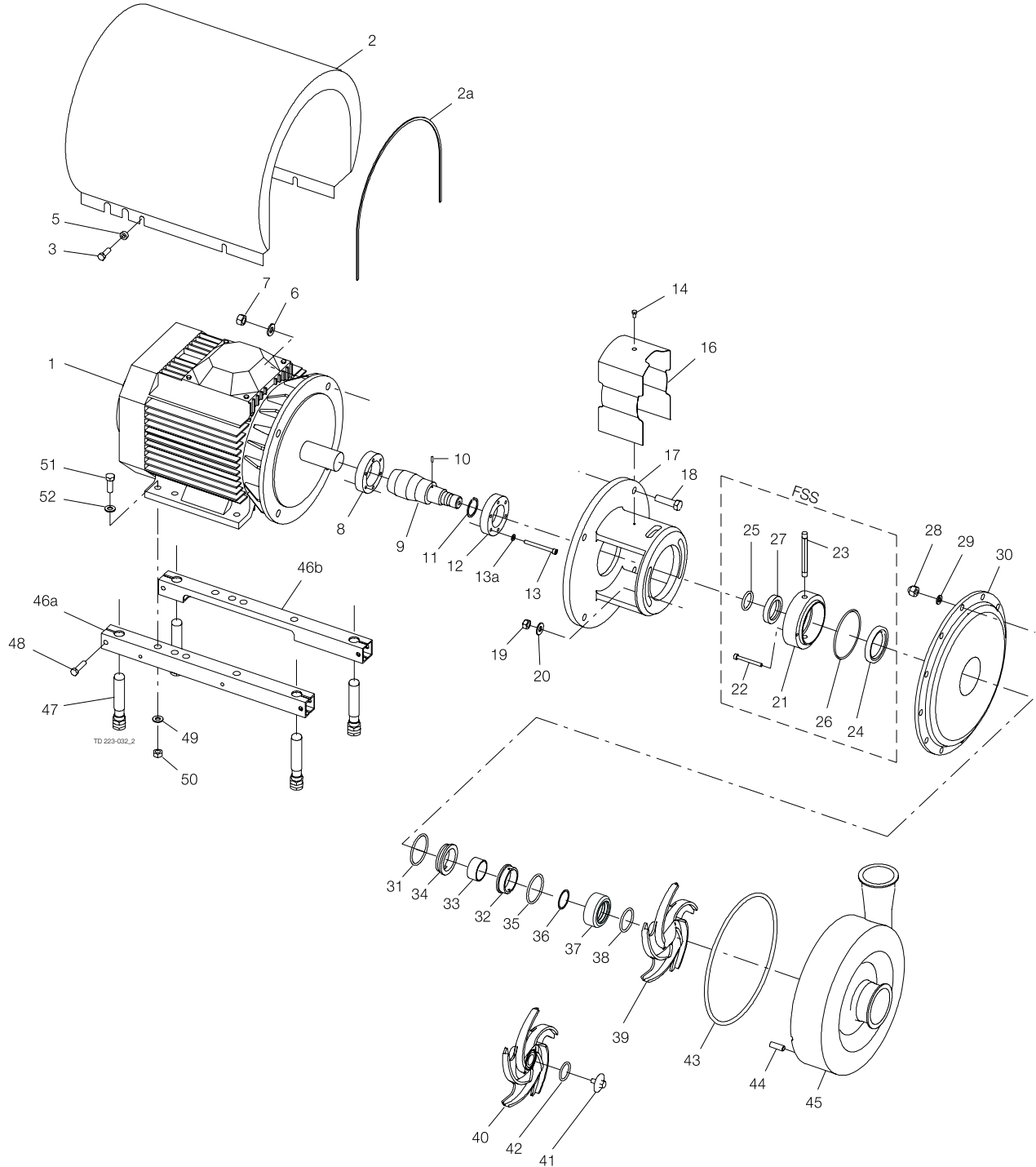
Pos	Qty	Denomination	1.5-2.2 kW	4 kW	5.5-7.5 kW
30	1	Back plate	9612483711	9612483711	9612483711
39	1	Impeller	9612408209	9612408205	9612408205
45	1	Pump casing, Flange	9612484017	9612484017	9612484017
	1	Pump casing, Clamp	9612484022	9612484022	9612484022

**Alternatives**

40	1	Impeller for impeller screw	9612408210	9611408206	9612408206
41	1	Impeller screw	9612139603	9612139603	9612139603

*Not manufactured anymore*

FSS = Flushed Shaft Seal





Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Single shaft seal</b>					
	□♦	Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed shaft seal</b>					
	○★	Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

1.5-7.5 kW

<b>Single shaft seal</b>					
		Service kit, EPDM.	□	9611922151	
		Service kit, FPM.	□	9611922153	
<b>Single shaft seal and impeller screw</b>					
		Service kit, EPDM.	♦	9611922154	
		Service kit, NBR.	♦	9611922155	
		Service kit, FPM.	♦	9611922156	
<b>Flushed shaft seal</b>					
		Service kit, EPDM.	○	9611922157	
<b>Flushed shaft seal and impeller screw</b>					
		Service kit, EPDM.	★	9611922160	
		Service kit, FPM.	★	9611922162	

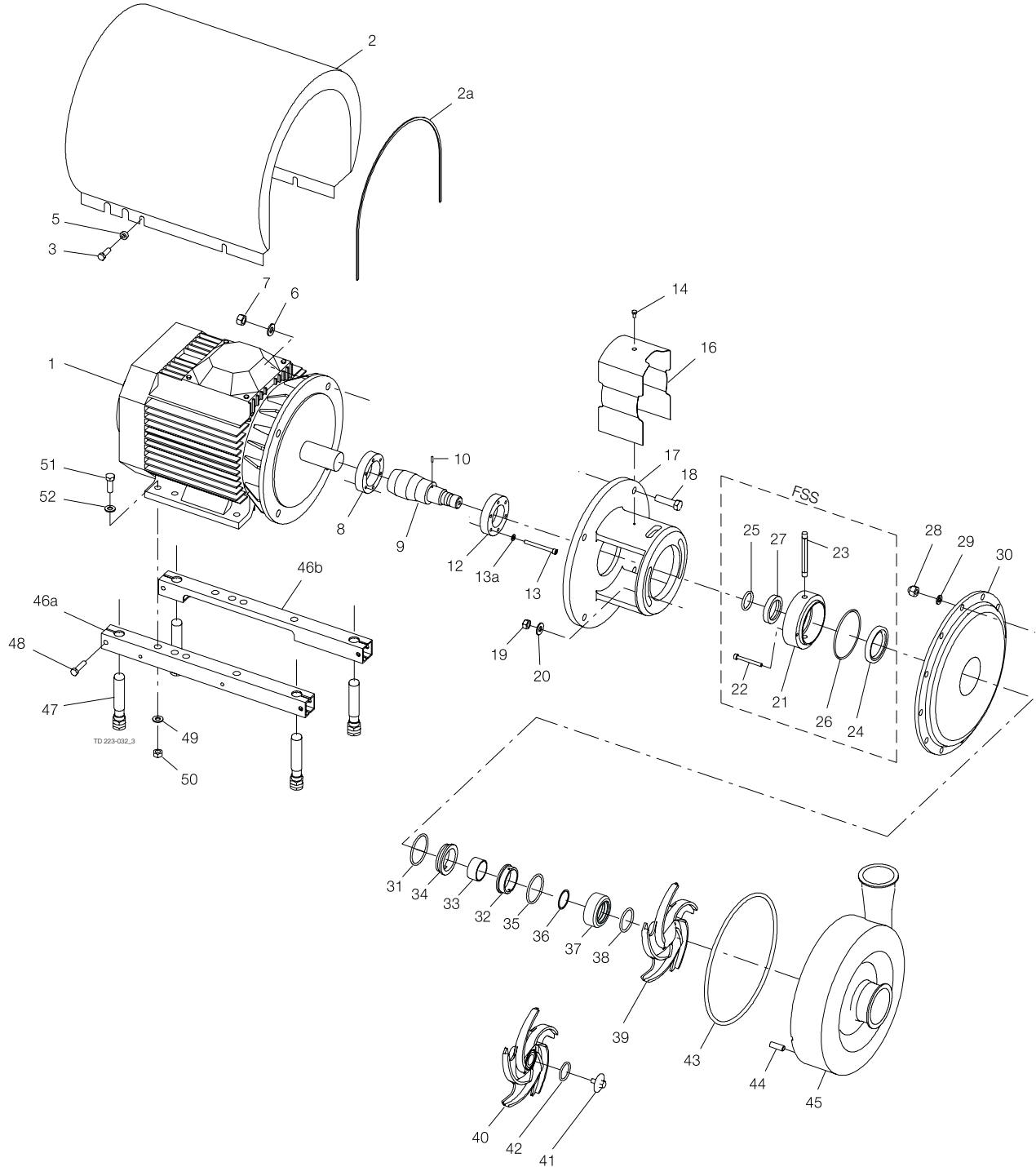
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW	15 kW
1	1	*Motor, 220/240 VΔ	9612418909	9612418911	9612418913	9612418915
	1	*Motor, 380/420 VΔ	9612418910	9612418912	9612418914	9612418916
2	1	Shroud	9612139008	9612139008	9612139005	9612139005
2a	1	Edge list (Included in pos 2)				

\* Motors are with special ball bearing.

Pos	Qty	Denomination	5.5-7.5 kW	11-15 kW
3	4	Screw	9611993240	9611993241
5	4	Distance sleeve	9611992737	3143803902
6	4	Washer for adaptor	9611990676	9611991886
7	4	Nut for adaptor	9611990587	9611992160
8	1	Compression ring with thread	9612133605	9612133603
9	1	Shaft with internal/external thread and pin (pos.10)	9612132602	9612132702
10	1	Connex pin	9611990622	9611990622
12	1	Compression ring without thread	9612133705	9612133703
13	6	Screw	9611993197	9611993198
13a	6	Washer	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239
16	1	Safety guard	9612131107	9612131108
17	1	Adaptor	9612342501	9612342601
18	4	Screw for adaptor	9611992162	9611992163
19	2	Nut	9611990353	9611990353
20	2	Washer	9611992559	9611992559
28	10	Cap nut	9611992593	9611992593
29	10	Washer	9611991887	9611991887
30	1	Back plate	9612483714	9612483714
33	1	Spacing ring	9612362502	9612362502
37	1	Rotating seal housing	9612362401	9612362401
39	1	Impeller	9612510307	9612510301
43	1	Joint ring, EPDM (standard)	9611992983	9611992983
	1	Joint ring, NBR	9611992984	9611992984
	1	Joint ring, FPM	9611992985	9611992985
44	10	Bolt	9611992169	9611992169
45	1	Pump casing, Flange		
	1	Pump casing, Clamp		

**Legs**

46a	1	Support bar, right	9612132206	9612132203
46b	1	Support bar, left	9612132306	9612132303
47	4	Leg	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907
49	4	Spring washer	9611991887	9611990676
50	4	Nut	9611990353	9611990587
51	4	Screw	9611991911	9611991834
52	4	Washer	9611990786	9611990706

**Alternatives**

40	1	Impeller for impeller screw	9612510308	9612510302
41	1	Impeller screw	9612139601	9612139601
42	1	O-ring, EPDM	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146

Pos	Qty	Denomination	5.5-15 kW
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**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358907
27	1	Sleeve	9612362902

Surface roughness, product wetted parts: Ra ≤ 0.8 µm

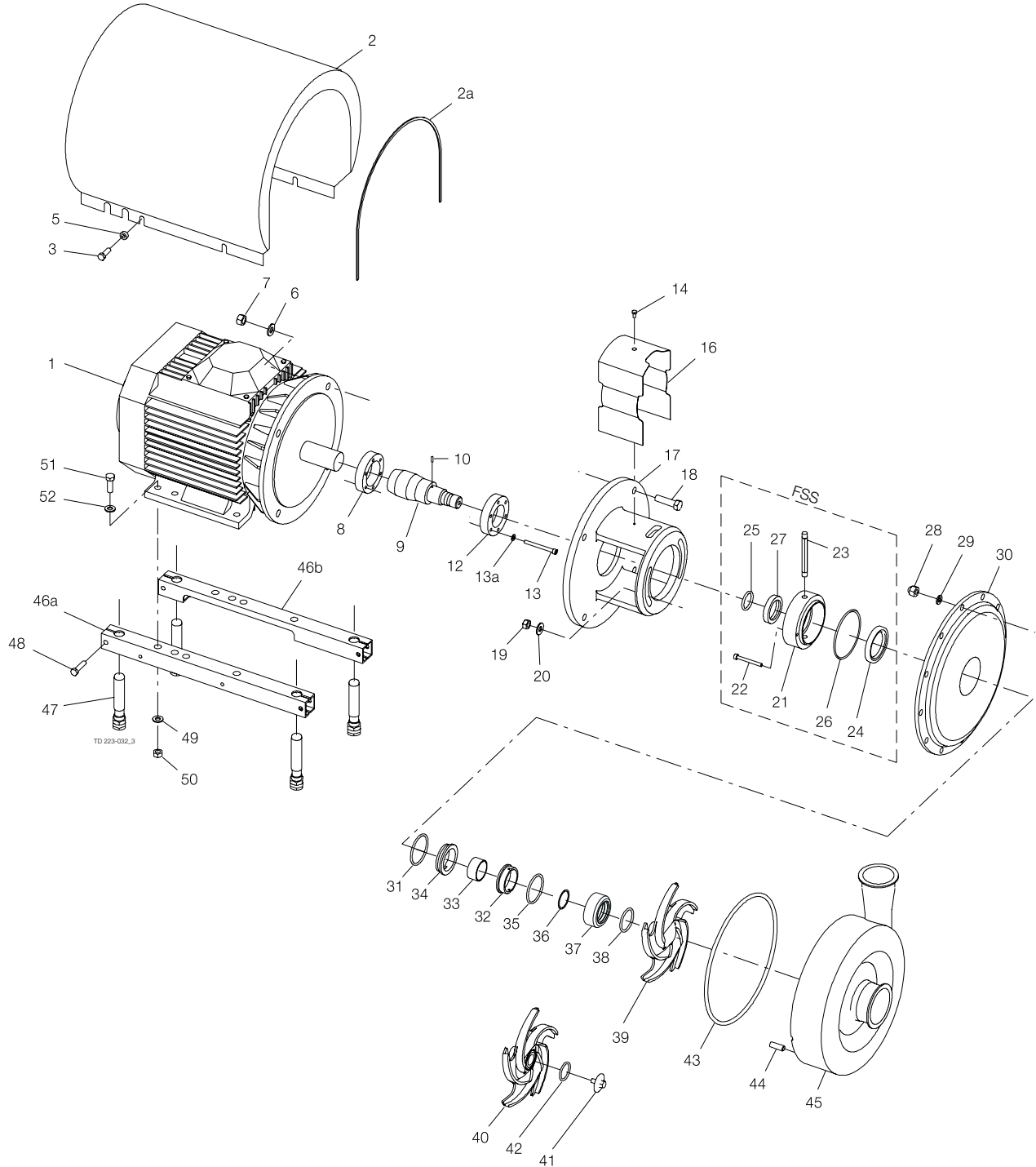
Pos	Qty	Denomination	5.5-7.5 kW	11-15 kW
30	1	Back plate	9612483716	9612483716
39	1	Impeller	9612510309	9612510305
45	1	Pump casing, Flange	9612511714	9612511714
	1	Pump casing, Clamp	9612511718	9612511718

**Alternatives**

40	1	Impeller for impeller screw	9612510310	9612510306
41	1	Impeller screw	9612139603	9612139603

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Single shaft seal</b>					
	□♦	Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed shaft seal</b>					
	○★	Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

**5.5-15 kW**

<b>Single shaft seal</b>					
		Service kit, EPDM.	□	9611922194	
		Service kit, FPM.	□	9611922196	
<b>Single shaft seal and impeller screw</b>					
		Service kit, EPDM.	♦	9611922197	
		Service kit, NBR.	♦	9611922198	
		Service kit, FPM.	♦	9611922199	
<b>Flushed shaft seal</b>					
		Service kit, EPDM.	○	9611922200	
		Service kit, FPM.	○	9611922202	
<b>Flushed shaft seal and impeller screw</b>					
		Service kit, EPDM.	★	9611922203	
		Service kit, NBR.	★	9611922204	
		Service kit, FPM.	★	9611922205	

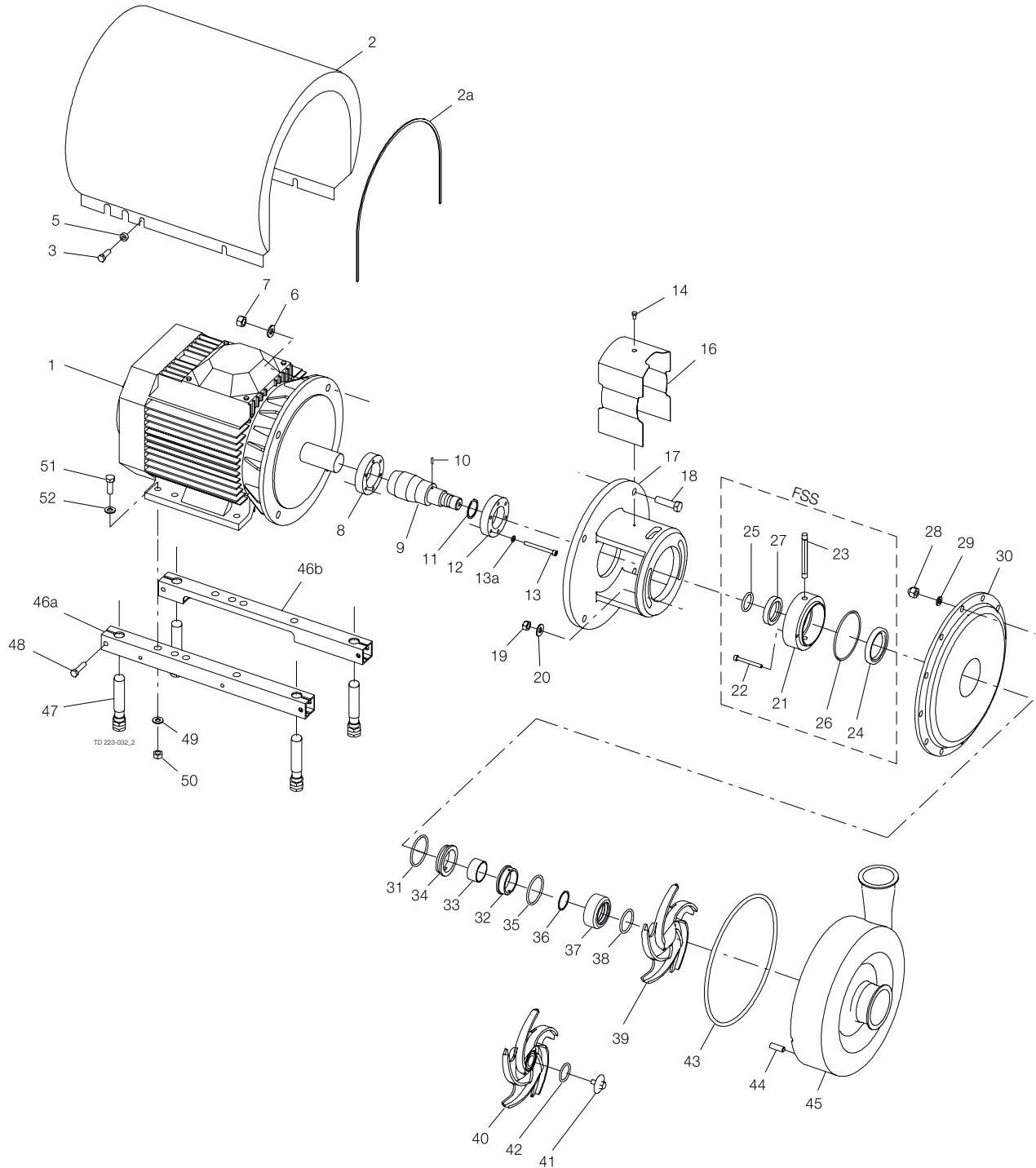
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	4 kW	5.5 kW	7.5 kW	11 kW	15 kW
1	1	*Motor, 220/240 VΔ	9612418907	9612418909	9612418911	9612418913	9612418915
	1	*Motor, 380/420 VΔ	9612418908	9612418910	9612418912	9612418914	9612418916
2	1	Shroud	9612139003	9612139008	9612139008	9612139005	9612139005
2a	1	Edge list (Included in pos 2)					

\* Motors are with special ball bearing.

Pos	Qty	Denomination	4 kW	5.5-7.5 kW	11-15 kW
3	4	Screw	9611993240	9611993240	9611993241
5	4	Distance sleeve		9611992737	3143803902
6	4	Washer for adaptor	9611990676	9611990676	9611991886
7	4	Nut for adaptor	9611990587	9611990587	9611992160
8	1	Compression ring with thread	9612133602	9612133605	9612133603
9	1	Shaft with internal/external thread and pin (pos.10)	9612132502	9612132602	9612132702
10	1	Connex pin	9611990622	9611990622	9611990622
12	1	Compression ring without thread	9612133702	9612133705	9612133703
13	6	Screw	9611993196	9611993197	9611993198
13a	6	Washer	9611993199	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239	9611993239
16	1	Safety guard	9612131106	9612131107	9612131108
17	1	Adaptor	9612342401	9612342501	9612342601
18	4	Screw for adaptor	9611991834	9611992162	9611992163
19	2	Nut	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559
28	10	Cap nut	9611992593	9611992593	9611992593
29	10	Washer	9611991887	9611991887	9611991887
30	1	Back plate	9612483714	9612483714	9612483714
33	1	Spacing ring	9612362502	9612362502	9612362502
37	1	Rotating seal housing	9612362401	9612362401	9612362401
39	1	Impeller	9612510407	9612510407	9612510401
43	□♦○★	Joint ring, EPDM (standard)	9611992983	9611992983	9611992983
	1	Joint ring, NBR	9611992984	9611992984	9611992984
	1	Joint ring, FPM	9611992985	9611992985	9611992985
44	10	Bolt	9611992169	9611992169	9611992169
45	1	Pump casing, Flange	9612511703	9612511703	9612511703
	1	Pump casing, Clamp	9612511707	9612511707	9612511707

**Legs**

46a	1	Support bar, right	9612132205	9612132206	9612132203
46b	1	Support bar, left	9612132305	9612132306	9612132303
47	4	Leg	9612396701	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907	9611991907
49	4	Spring washer	9611991887	9611991887	9611990676
50	4	Nut	9611990353	9611990353	9611990587
51	4	Screw	9611991911	9611991911	9611991834
52	4	Washer	9611990786	9611990786	9611990706

**Alternatives**

40	1	Impeller for impeller screw	9612510408	9612510408	9612510402
41	1	Impeller screw	9612139601	9612139601	9612139601
42	♦★	O-ring, EPDM	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146

Pos	Qty	Denomination	4-15 kW
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**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358907
27	○★	Sleeve	9612362902

Surface roughness, product wetted parts: Ra ≤ 0.8 μm

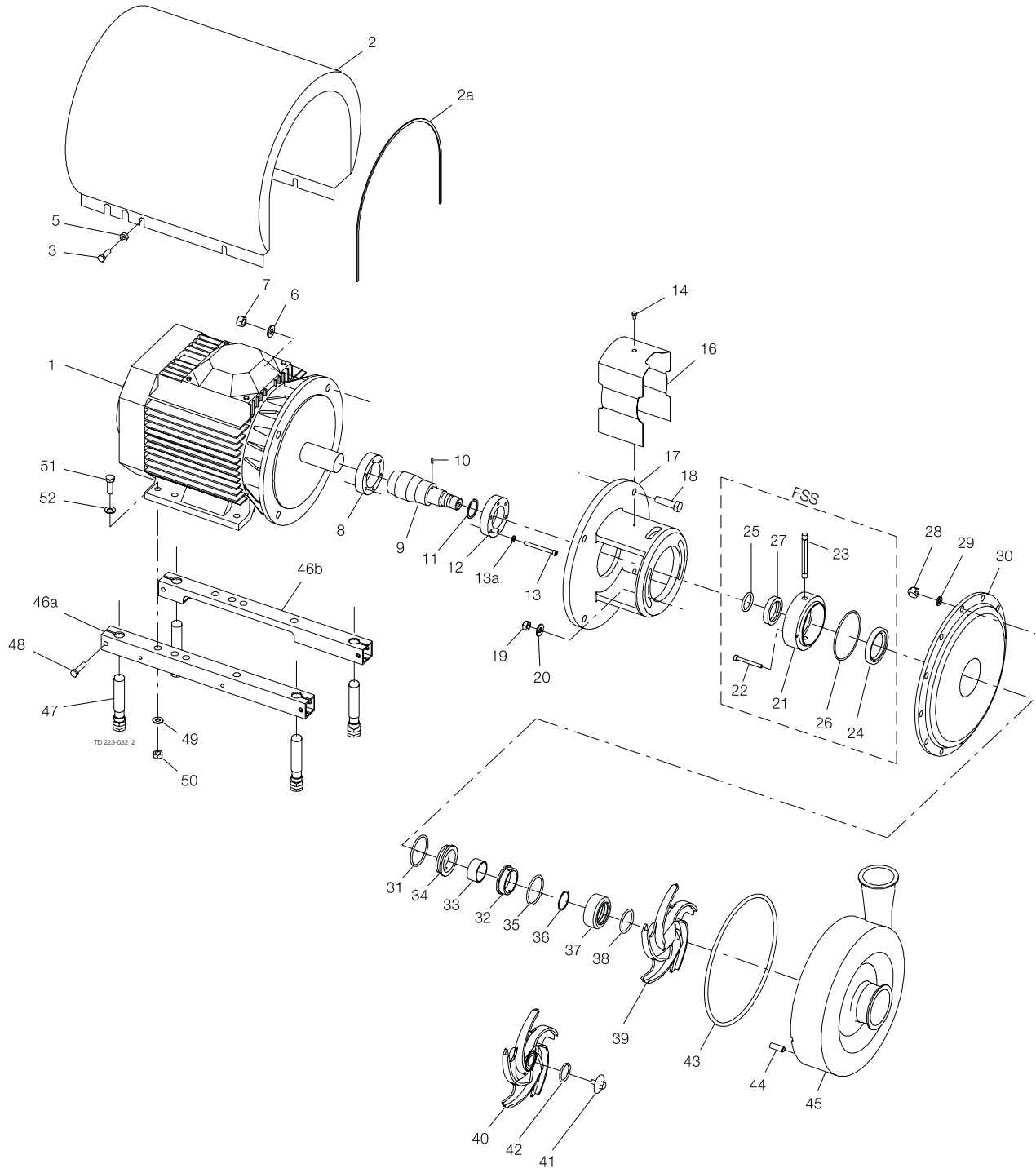
Pos	Qty	Denomination	4 kW	5.5-7.5 kW	11-15 kW
30	1	Back plate	9612483716	9612483716	9612483716
39	1	Impeller	9612510409	9612510409	9612510405
45	1	Pump casing, Flange	9612511715	9612511715	9612511715
	1	Pump casing, Clamp	9612511719	9612511719	9612511719

**Alternatives**

40	1	Impeller for impeller screw	9611510410		9612510406
41	1	Impeller screw	9612136903	9612136903	9612136903

*Not manufactured anymore*

FSS = Flushed Shaft Seal





Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Single shaft seal</b>					
	□♦	Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed shaft seal</b>					
	○★	Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

4-15 kW

<b>Single shaft seal</b>		
	Service kit, EPDM.	□ 9611922194
	Service kit, FPM.	□ 9611922196

<b>Single shaft seal and impeller screw</b>		
	Service kit, EPDM.	♦ 9611922197
	Service kit, NBR.	♦ 9611922198
	Service kit, FPM.	♦ 9611922199

<b>Flushed shaft seal</b>		
	Service kit, EPDM.	○ 9611922200
	Service kit, FPM.	○ 9611922202

<b>Flushed shaft seal and impeller screw</b>		
	Service kit, EPDM.	★ 9611922203
	Service kit, NBR.	★ 9611922204
	Service kit, FPM.	★ 9611922205

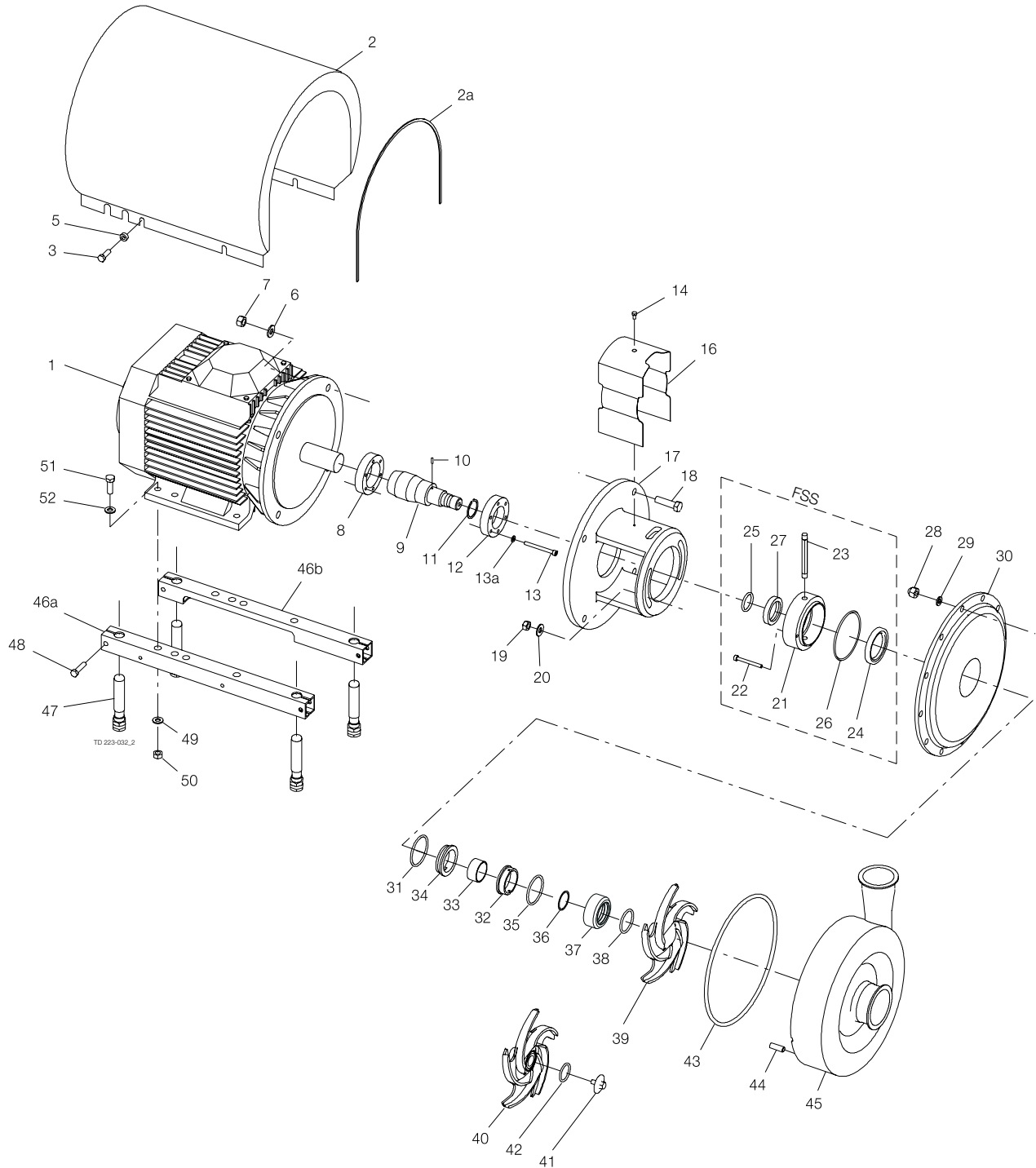
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
1	1	*Motor, 220/240 VΔ	9612418911	9612418913	9612418915	9612418917	
	1	*Motor, 380/420 VΔ	9612418912	9612418914	9612418916	9612418918	
	1	*Motor 220/240 VD (period 0910-)					9612418923
	1	*Motor 380/420 VD (period 0910-)					9612418924
	1	*Motor 220/240 VD (period -0910)					9612418919
	1	*Motor 380/420 VD (period -0910)					9612418920
2	1	Shroud	9612139008	9612139005	9612139005	9612139005	9612139006
2a	1	Edge list (Included in pos 2)					

\* Motors are with special ball bearing.

Pos	Qty	Denomination	7.5 kW	11 kW	15-18.5 kW	22 kW	
3	4	Screw	9611993240	9611993241	9611993241	9611993243	
5	4	Distance sleeve	9611992737	3143803902	3143803902	3143803901	
6	4	Washer for adaptor	9611990676	9611991886	9611991886	9611991886	
7	4	Nut for adaptor	9611990587	9611992160	9611992160	9611992160	
8	1	Compression ring with thread	9612133605	9612133603	9612133603	9612133604	
9	1	Shaft with internal/external thread and pin (pos. 10)	9612132602	9612132702	9612132702	9612132802	
10	1	Connex pin	9611990622	9611990622	9611990622	9611990622	
12	1	Compression ring without thread	9612133705	9612133703	9612133703	9612133704	
13	6	Screw and pin (pos.8)	9611993197	9611993198	9611993198	9611993198	
13a	6	Washer	9611993199	9611993199	9611993199	9611993199	
14	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	
16	1	Safety guard	9612131107	9612131108	9612131108	9612131108	
17	1	Adaptor	9612342501	9612342601	9612342601	9612342601	
18	4	Screw for adaptor	9611992162	9611992163	9611992163	9611992164	
19	2	Nut	9611990353	9611990353	9611990353	9611990353	
20	2	Washer	9611992559	9611992559	9611992559	9611992559	
28	12	Cap nut	9611992593	9611992593	9611992593	9611992593	
29	12	Washer	9611991887	9611991887	9611991887	9611991887	
30	1	Back plate	9612483703	9612483703	9612483703	9612483703	
33	1	Spacing ring	9612362502	9612362502	9612362502	9612362502	
37	1	Rotating seal housing	9612362401	9612362401	9612362401	9612362401	
39	1	Impeller	9612408407	9612408407	9612408401	9612408401	
43	□♦○*	1	Joint ring, EPDM (standard)	9611992171	9611992171	9611992171	9611992171
		1	Joint ring, NBR	9611992173	9611992173	9611992173	9611992173
		1	Joint ring, FPM	9611992172	9611992172	9611992172	9611992172
44	12	Bolt	9611992169	9611992169	9611992169	9611992169	
45	1	Pump casing, Flange	9612484003	9612484003	9612484003	9612484003	
		Pump casing, Clamp	9612484008	9612484008	9612484008	9612484008	

**Legs**

46a	1	Support bar, right	9612132206	9612132203	9612132203	9612132204
46b	1	Support bar, left	9612132306	9612132303	9612132303	9612132304
47	4	Leg	9612396701	9612396701	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126	9611991126	9611991126
		Screw, (period -9711)	9611991907	9611991907	9611991907	9611991907
49	4	Spring washer	9611991887	9611990676	9611990676	9611990676
50	4	Nut	9611990353	9611990587	9611990587	9611990587
51	4	Screw	9611991911	9611991834	9611991834	9611991834
52	4	Washer	9611990786	9611990706	9611990706	9611990706

**Alternatives**

40	1	Impeller for impeller screw	9612408408	9612408408	9612408402	9612408402
41	1	Impeller screw	9612139601	9612139601	9612139601	9612139601
42	♦*	O-ring, EPDM	9611992145	9611992145	9611992145	9611992145
		O-ring, NBR	9611992147	9611992147	9611992147	9611992147
		O-ring, FPM	9611992146	9611992146	9611992146	9611992146

Pos	Qty	Denomination	7.5-22 kW
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**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358907
27	○*	Sleeve	9612362902

Surface roughness, product wetted parts: Ra ≤ 0.8 μm

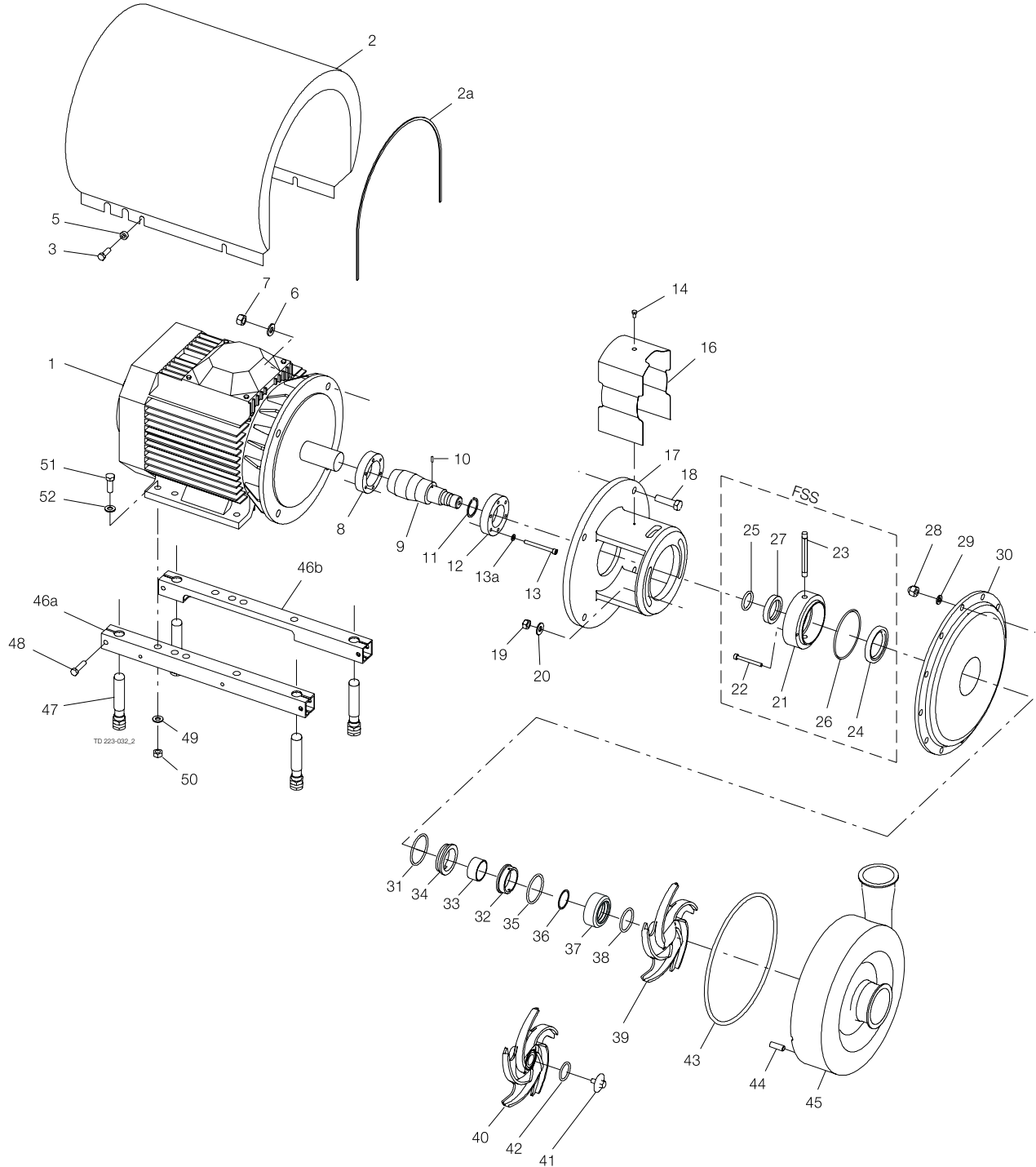
Pos	Qty	Denomination	7.5 kW	11-18.5 kW	22 kW
30	1	Back plate	9612483712	9612483712	9612483712
39	1	Impeller	9612408409	9612408409	9612408405
45	1	Pump casing, Flange	9612484018	9612484018	9612484018
		Pump casing, Clamp			

**Alternatives**

40	1	Impeller for impeller screw	9612408410	9612408410	9612408406
41	1	Impeller screw	9612139603	9612139603	9612139603

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Single shaft seal</b>					
	□♦	Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed shaft seal</b>					
	○★	Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

7.5-22 kW

<b>Single shaft seal</b>		
	Service kit, EPDM.	□ 9611922163
	Service kit, NBR.	□ 9611922164
	Service kit, FPM.	□ 9611922165
<b>Single shaft seal and impeller screw</b>		
	Service kit, EPDM.	♦ 9611922166
	Service kit, NBR.	♦ 9611922167
	Service kit, FPM.	♦ 9611922168
<b>Flushed shaft seal</b>		
	Service kit, EPDM.	○ 9611922169
	Service kit, NBR.	○ 9611922170
	Service kit, FPM.	○ 9611922171
<b>Flushed shaft seal and impeller screw</b>		
	Service kit, EPDM.	★ 9611922172
	Service kit, NBR.	★ 9611922173

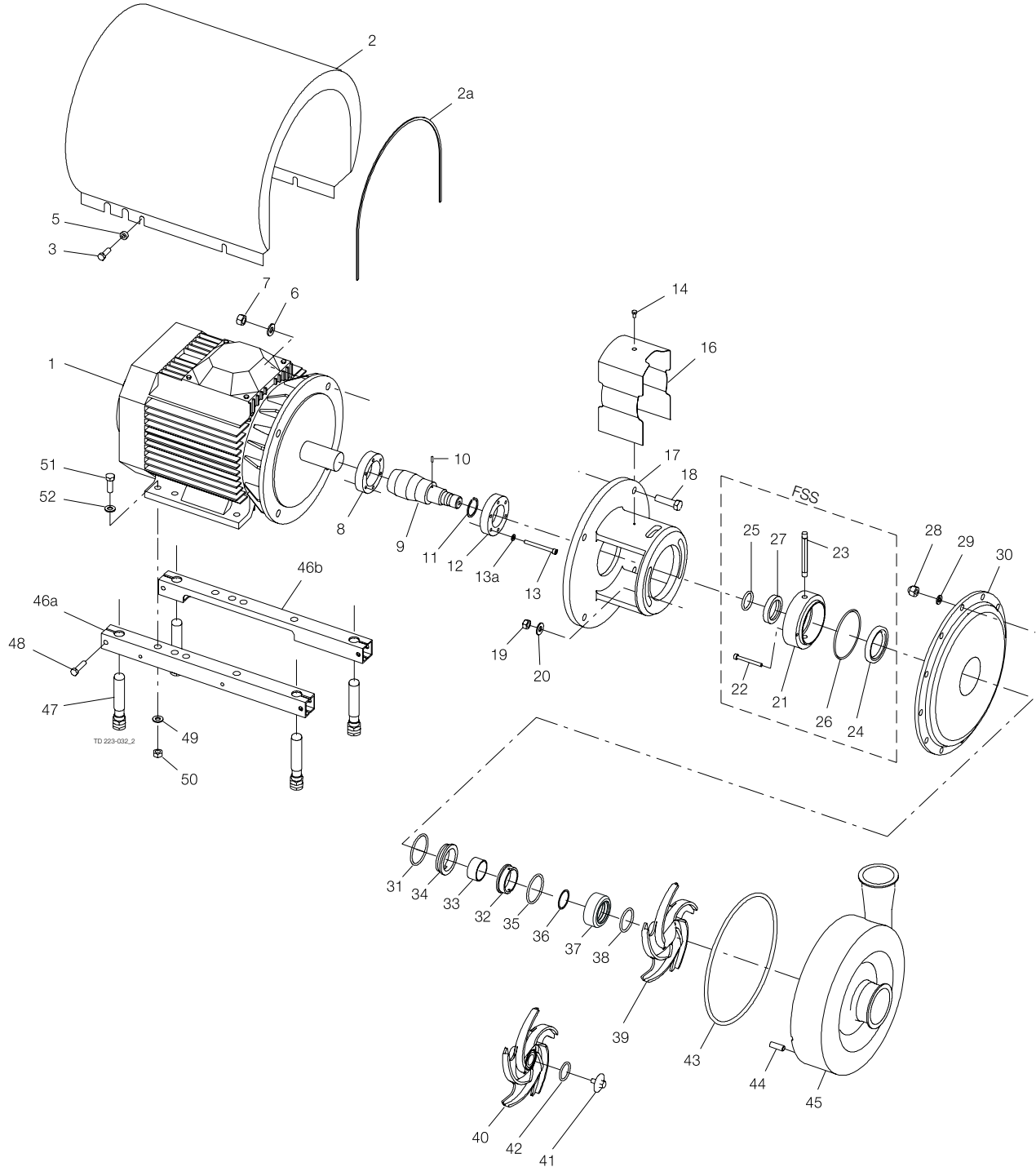
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	4 kW	5.5 kW	7.5 kW	11 kW	15 kW
1	1	*Motor, 220/240 VΔ	9612418907	9612418909	9612418911	9612418913	9612418915
	1	*Motor, 380/420 VΔ	9612418908	9612418910	9612418912	9612418914	9612418916
2	1	Shroud	9612139003	9612139008	9612139008	9612139005	9612139005
2a	1	Edge list (Included in pos 2)					

\* Motors are with special ball bearing.

Pos	Qty	Denomination	4 kW	5.5-7.5 kW	11-15 kW
3	4	Screw	9611993240	9611993240	9611993241
5	4	Distance sleeve		9611992737	3143803902
6	4	Washer for adaptor	9611990676	9611990676	9611991886
7	4	Nut for adaptor	9611990587	9611990587	9611992160
8	1	Compression ring with thread	9612133602	9612133605	9612133603
9	1	Shaft with internal/external thread and pin (pos.10)	9612132502	9612132602	9612132702
10	1	Connex pin	9611990622	9611990622	9611990622
12	1	Compression ring without thread	9612133702	9612133705	9612133703
13	6	Screw	9611993196	9611993197	9611993198
13a	6	Washer	9611993199	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239	9611993239
16	1	Safety guard	9612131106	9612131107	9612131108
17	1	Adaptor	9612342401	9612342501	9612342601
18	4	Screw for adaptor	9611991834	9611992162	9611992163
19	2	Nut	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559
28	10	Cap nut	9611992593	9611992593	9611992593
29	10	Washer	9611991887	9611991887	9611991887
30	1	Back plate	9612483714	9612483714	9612483714
33	1	Spacing ring	9612362502	9612362502	9612362502
37	1	Rotating seal housing	9612362401	9612362401	9612362401
39	1	Impeller	9612510507	9612510507	9612510501
43	□♦○★	Joint ring, EPDM (standard)	9611992983	9611992983	9611992983
	1	Joint ring, NBR	9611992984	9611992984	9611992984
	1	Joint ring, FPM	9611992985	9611992985	9611992985
44	10	Bolt	9611992169	9611992169	9611992169
45	1	Pump casing, Flange	9612511704	9612511704	9612511704
	1	Pump casing, Clamp			

**Legs**

46a	1	Support bar, right	9612132205	9612132206	9612132203
46b	1	Support bar, left	9612132305	9612132306	9612132303
47	4	Leg	9612396701	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907	9611991907
49	4	Spring washer	9611991887	9611991887	9611990676
50	4	Nut	9611990353	9611990353	9611990587
51	4	Screw	9611991911	9611991911	9611991834
52	4	Washer	9611990786	9611990786	9611990706

**Alternatives**

40	1	Impeller for impeller screw	9612510508	9612510508	9612510502
41	1	Impeller screw	9612139601	9612139601	9612139601
42	♦★	O-ring, EPDM	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146

Pos	Qty	Denomination	4-15 kW
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**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358907
27	○★	Sleeve	9612362902

Surface roughness, product wetted parts: Ra ≤ 0.8 μm

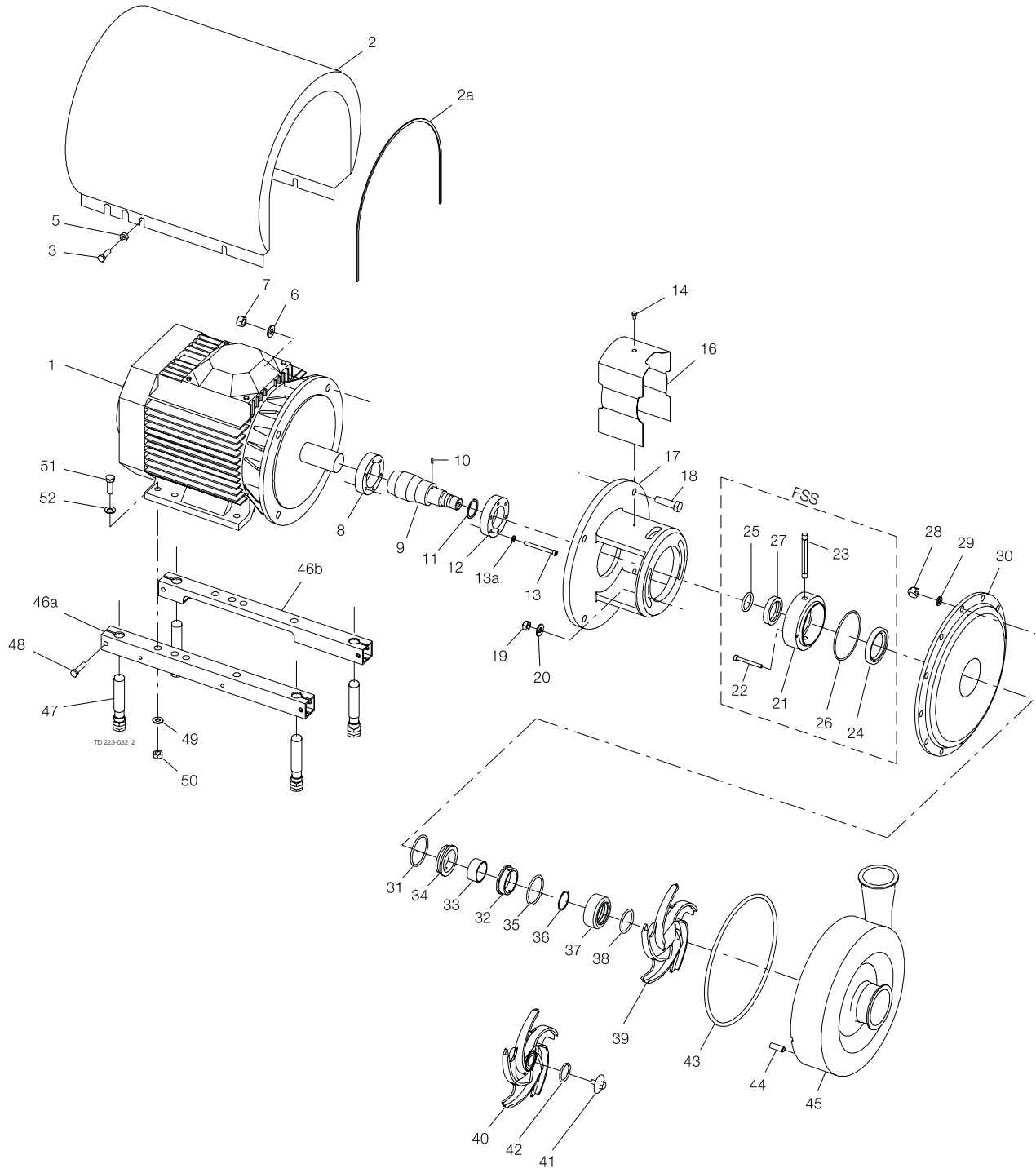
Pos	Qty	Denomination	4 kW	5.5-7.5 kW	11-15 kW
30	1	Back plate	9612483716	9612483716	9612483716
39	1	Impeller			9612510505
45	1	Pump casing, Flange	9612511716	9612511716	9612511716
	1	Pump casing, Clamp	9612511720	9612511720	9612511720

**Alternatives**

40	1	Impeller for impeller screw	9611510510	9612510510	9612510506
41	1	Impeller screw	9612136903	9612136903	9612136903

*Not manufactured anymore*

FSS = Flushed Shaft Seal





Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Single shaft seal</b>					
	□♦	Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed shaft seal</b>					
	○★	Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

4-15 kW

**Service kit for single shaft seal**

- Service kit, EPDM. □ 9611922194
- Service kit, FPM. □ 9611922196

**Single shaft seal and impeller screw**

- Service kit, EPDM. ♦ 9611922197
- Service kit, NBR. ♦ 9611922198
- Service kit, FPM. ♦ 9611922199

**Flushed shaft seal**

- Service kit, EPDM. ○ 9611922200
- Service kit, FPM. ○ 9611922202

**Flushed shaft seal and impeller screw**

- Service kit, EPDM. ★ 9611922203
- Service kit, NBR. ★ 9611922204
- Service kit, FPM. ★ 9611922205

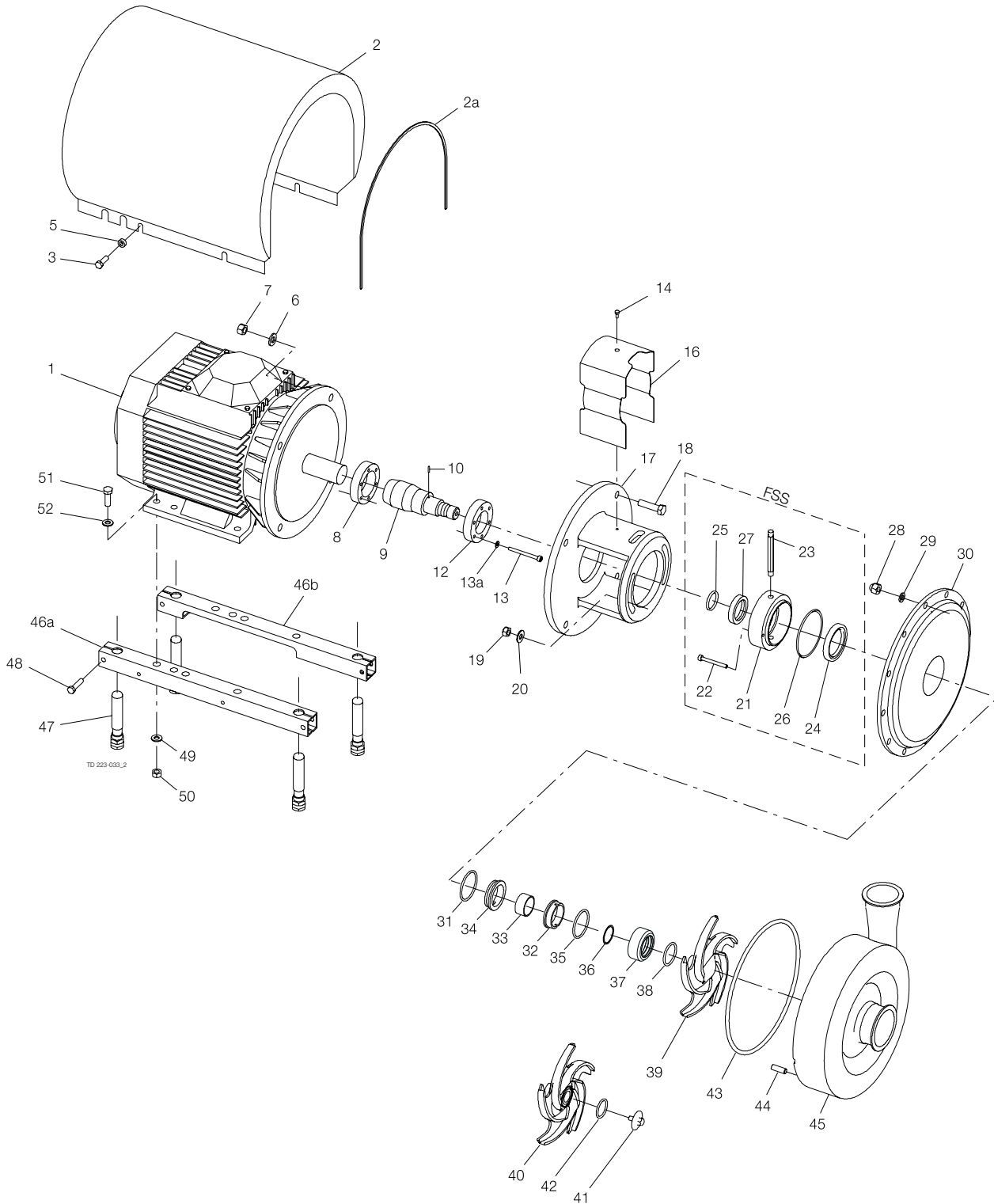
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW
1	1	*Motor , 380/420 VΔ	9612418909	9612418911	9612418913
	1	*Motor 380/420 VΔ	9612418910	9612418912	9612418914
2	1	Shroud	9612139008	9612139008	9612139005
2a	1	Edge list (Included in pos. 2)			

\* Motors are with special ball bearing

Pos	Qty	Denomination	15 kW	18.5 kW	22 kW
1	1	*Motor , 380/420 VΔ	9612418915	9612418917	
	1	*Motor 380/420 VΔ	9612418916	9612418918	
	1	*Motor 220/240 VΔ (period 0910-)			9612418923
	1	*Motor 380/420 VΔ (period 0910-)			9612418924
	1	*Motor 220/240 VΔ (period -0910)			9612418919
	1	*Motor 380/420 VΔ (period -0910)			9612418920
2	1	Shroud	9612139005	9612139005	9612139006
2a	1	Edge list (Included in pos. 2)			

\* Motors are with special ball bearing

Pos	Qty	Denomination	5.5-7.5 kW	11-18.5 kW	22 kW
3	4	Screw	9611993240	9611993241	9611993242
5	4	Distance sleeve	9611992737	3143803902	3143803901
6	4	Washer for adaptor	9611990676	9611991886	9611991886
7	4	Nut for adaptor	9611990587	9611992160	9611992160
8	1	Compression ring with thread	9612133605	9612133603	9612133604
9	1	Shaft with internal/external thread and pin (pos.10)	9612132602	9612132702	9612132802
10	1	Connex pin	9611990622	9611990622	9611990622
12	1	Compression ring without thread	9612133705	9612133703	9612133704
13	6	Screw	9611993197	9611993198	9611993198
13a	6	Washer	9611993199	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239	9611993239
16	1	Safety guard	9612131107	9612131108	9612131108
17	1	Adaptor	9612342501	9612342601	9612342601
18	4	Screw for adaptor	9611992162	9611992163	9611992163
19	2	Nut	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559
28	12	Cap nut	9611992593	9611992593	9611992593
29	12	Washer	9611991887	9611991887	9611991887
30	1	Back plate	9612483703	9612483703	9612483703
33	1	Spacing ring	9612362502	9612362502	9612362502
37	1	Rotating seal housing	9612362401	9612362401	9612362401
39	1	Impeller	9612408507	9612408501	9612408501
43	□♦○*	1 Joint ring, EPDM (standard)	9611992171	9611992171	9611992171
		1 Joint ring, NBR	9611992173	9611992173	9611992173
		1 Joint ring, , FPM	9611992172	9611992172	9611992172
44	12	Bolt	9611992169	9611992169	9611992169
45	1	Pump casing, Flange	9612484004	9612484004	9612484004
	1	Pump casing, Clamp	9612484009	9612484009	9612484009

**Legs**

46a	1	Support bar, right	9612132206	9612132203	9612132204
46b	1	Support bar, left	9612132306	9612132303	9612132304
47	4	Leg	9612396701	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907	9611991907
49	4	Spring washer	9611991887	9611990676	9611990676
50	4	Nut	9611990353	9611990587	9611990587
51	4	Screw	9611991911	9611991834	9611991834
52	4	Washer	9611990786	9611990706	9611990706

**Alternatives**

40	1	Impeller for impeller screw	9612408508	9612408502	9612408502
41	1	Impeller screw	9612139601	9612139601	9612139601
42	♦*	1 O-ring, EPDM	9611992145	9611992145	9611992145
		1 O-ring, NBR	9611992147	9611992147	9611992147
		1 O-ring, FPM	9611992146	9611992146	9611992146

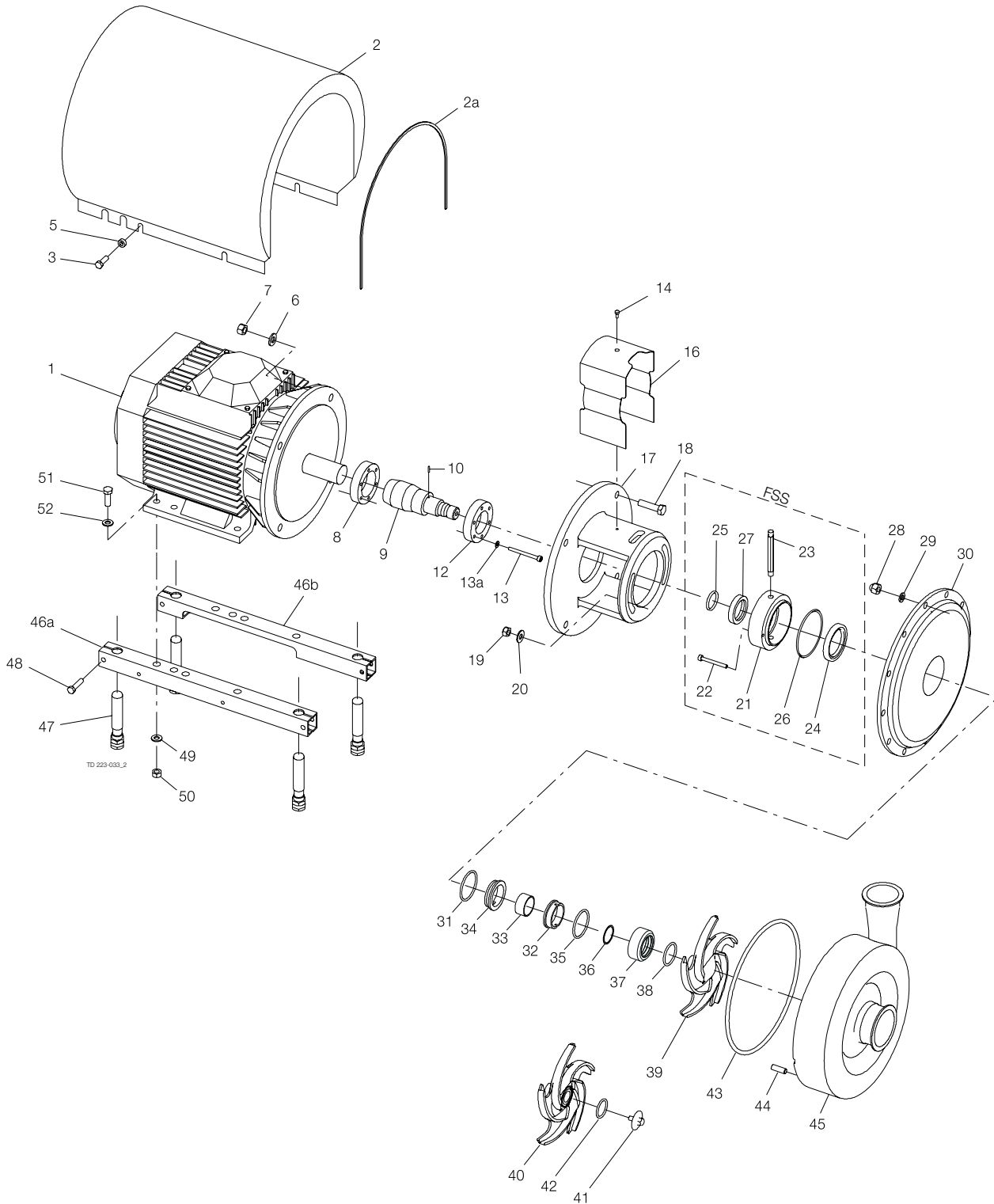
Pos	Qty	Denomination	5.5-22 kW
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**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358907
27	○*	1 Sleeve	9612362902

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Surface roughness, product wetted parts: Ra ≤ 0.8 µm

Pos	Qty	Denomination	5.5-7.5 kW	11-18.5 kW	22 kW
30	1	Back plate	9612483712	9612483712	9612483712
39	1	Impeller	9612408509	9612408505	9612408505
45	1	Pump casing, Flange	9612484019	9612484019	9612484019
	1	Pump casing, Clamp	9612484024	9612484024	9612484024

**Alternatives**

40	1	Impeller for impeller screw	9612408510	9612408506	9612408506
41	1	Impeller screw	9612139603	9612139603	9612139603

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
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**Single shaft seal**

□♦		Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
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**Flushed shaft seal**

○★		Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

**5.5-22 kW**

**Single shaft seal**

	Service kit, EPDM.	□ 9611922163
	Service kit, NBR.	□ 9611922164
	Service kit, FPM.	□ 9611922165

**Single shaft seal and impeller screw**

	Service kit, EPDM.	♦ 9611922166
	Service kit, NBR.	♦ 9611922167
	Service kit, FPM.	♦ 9611922168

**Flushed shaft seal**

	Service kit, EPDM.	○ 9611922169
	Service kit, NBR.	○ 9611922170
	Service kit, FPM.	○ 9611922171

**Flushed shaft seal and impeller screw**

	Service kit, EPDM.	★ 9611922172
	Service kit, NBR.	★ 9611922173

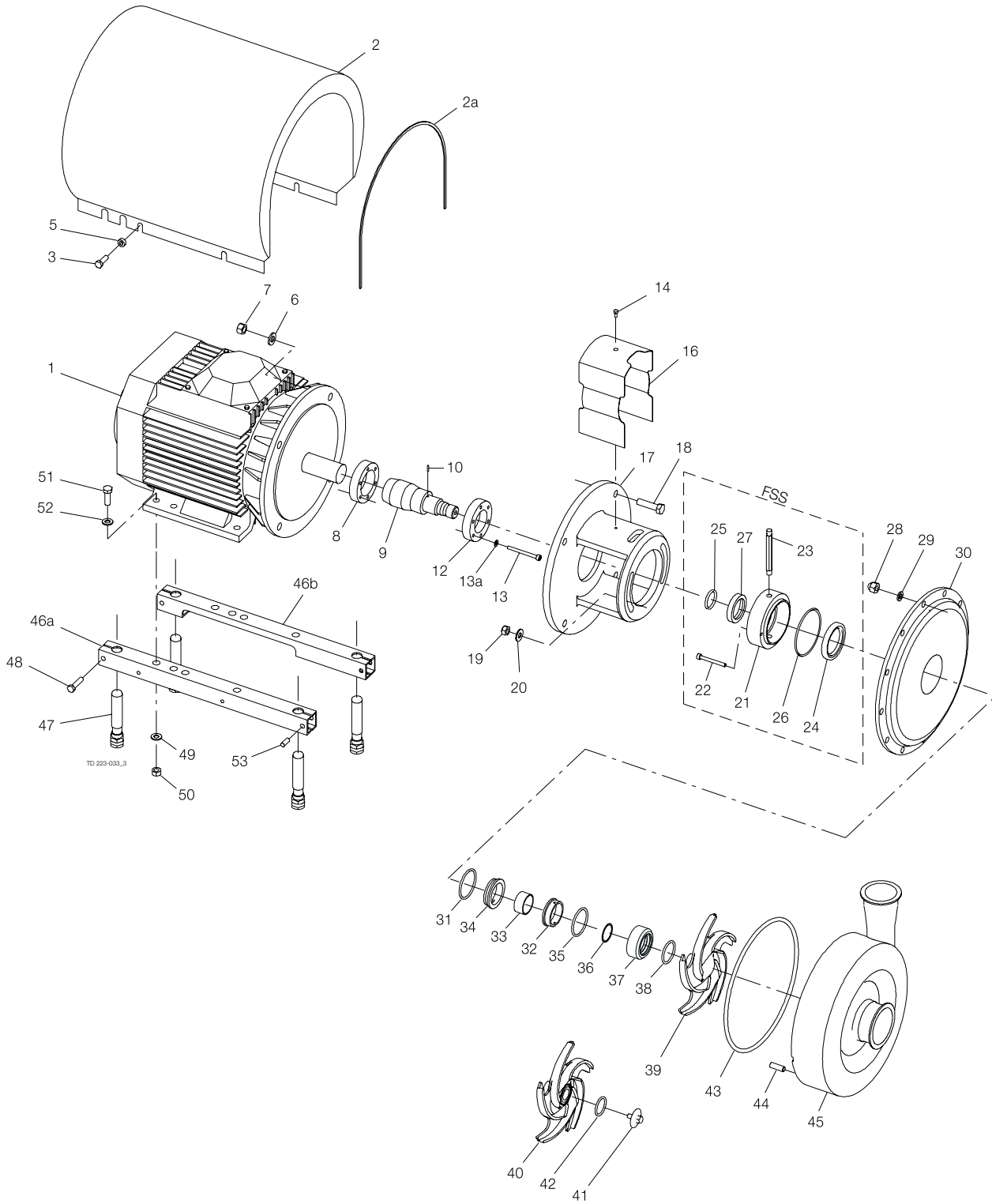
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW
1	1	Motor , ABB <sup>1)2)</sup>	9612418909	9612418911	9612418913
	1	Motor ABB <sup>1)3)</sup>	9612418910	9612418912	9612418914
2	1	Shroud (period 9907-)	9612139008	9612139008	9612139005
2a	1	Edge list (Included in pos. 2)			

Pos	Qty	Denomination	15 kW	18.5 kW	22 kW	30 kW
1	1	Motor ABB <sup>1)2)</sup>	9612418915	9612418917		9612418921 <sup>4)</sup>
	1	Motor ABB <sup>1)3)</sup>	9612418916	9612418918		9612418922 <sup>4)</sup>
	1	*Motor 220/240 VΔ (period 0910-)			9612418923	
	1	*Motor 380/420 VΔ (period 0910-)			9612418924	
	1	*Motor 220/240 VΔ (period -0910)			9612418919	
	1	*Motor 380/420 VΔ (period -0910)			9612418920	
	1	Motor BROOK <sup>2)</sup> (period 9907-0602)				9612605501
	1	Motor BROOK <sup>3)</sup> (period 9907-0602)				9612605502
2	1	Shroud (period 9907-)	9612139005	9612139005	9612139006	9612593801
2a	1	Edge list (Included in pos. 2)				

<sup>1)</sup> Motors are with special bearing.

<sup>2)</sup> 3~, 50Hz, 220-240VΔ/380-420VY - Option

<sup>3)</sup> 3~, 50Hz, 380-420VΔ/660-690VY - Standard

<sup>4)</sup> Motors ABB (-0602)

3~, 60Hz, 250-280VΔ/440-480VY - Option

3~,60Hz, 440-480VΔ - Standard

Pos	Qty	Denomination	5.5-7.5 kW	11-15 kW	18.5 kW	22 kW	30 kW
3	4	Screw	9611993240	9611993241	9611993241	9611993243	9611993243
5	4	Distance sleeve	9611992737	3143803902	3143803902	3143803901	3143803903
6	4	Washer for adaptor	9611990676	9611991886	9611991886	9611991886	9611991886
7	4	Nut for adaptor	9611990587	9611992160	9611992160	9611992160	9611992160
8	1	Compression ring with thread	9612133605	9612133603	9612133603	9612133604	9612133607
9	1	Shaft with internal/external thread and pin (pos.10)	9612132602	9612132702	9612132702	9612132802	9612232902
10	1	Connex pin	9611990622	9611990622	9611990622	9611990622	9611990622
12	1	Compression ring without thread	9612133705	9612133703	9612133703	9612133704	9612133707
13	6	Screw	9611993197	9611993198	9611993198	9611993198	9611993198
13a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239
16	1	Safety guard	9612131107	9612131108	9612131108	9612131108	9612131108
17	1	Adaptor	9612342501	9612342601	9612342601	9612342601	9612342701
18	4	Screw for adaptor	9611992162	9611992163	9611992163	9611992164	9611992164
19	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559
28	12	Cap nut	9611992593	9611992593	9611992593	9611992593	9611992593
29	12	Spring washer	9611991887	9611991887	9611991887	9611991887	9611991887
30	1	Back plate	9612483703	9612483703	9612483703	9612483703	9612483703
33	1	Spacing ring	9612362502	9612362502	9612362502	9612362502	9612362502
37	1	Rotating seal housing	9612362401	9612362401	9612362401	9612362401	9612362401
39	1	Impeller	9612408607	9612408607	9612408601	9612408601	9612408601
43	◆◆◆	Joint ring, EPDM (standard)	9611992171	9611992171	9611992171	9611992171	9611992171
	1	Joint ring, NBR	9611992173	9611992173	9611992173	9611992173	9611992173
	1	Joint ring, FPM	9611992172	9611992172	9611992172	9611992172	9611992172
44	12	Bolt	9611992169	9611992169	9611992169	9611992169	9611992169
45	1	Pump casing, Flange	9612484005	9612484005	9612484005	9612484005	9612484005
	1	Pump casing, Clamp	9612484010	9612484010	9612484010	9612484010	9612484010

**Legs**

46a	1	Support bar, right	9612132206	9612132203	9612132203	9612132204	9612342201
46b	1	Support bar, left	9612132306	9612132303	9612132303	9612132304	9612342201
47	4	Leg	9612396701	9612396701	9612396701	9612396701	9612396701
48	4	Screw, (period 9711-)	9611991126	9611991126	9611991126	9611991126	9611991907
	4	Screw, (period -9711)	9611991907	9611991907	9611991907	9611991907	9611991907
49	4	Spring washer	9611991887	9611990676	9611990676	9611990676	9611990676
50	4	Nut	9611990353	9611990587	9611990587	9611990587	9611990587
51	4	Screw	9611991911	9611991834	9611991834	9611991834	9611993680
52	4	Washer	9611990786	9611990706	9611990706	9611990706	9611990703
53	4	Pivot screw					9611991763

**Alternatives**

40	1	Impeller for impeller screw	9612408608	9612408608	9612408602	9612408602	9612408602
41	1	Impeller screw	9612139601	9612139601	9612139601	9612139601	9612139601
42	◆◆	O-ring, EPDM	9611992145	9611992145	9611992145	9611992145	9611992145
	1	O-ring, NBR	9611992147	9611992147	9611992147	9611992147	9611992147
	1	O-ring, FPM	9611992146	9611992146	9611992146	9611992146	9611992146

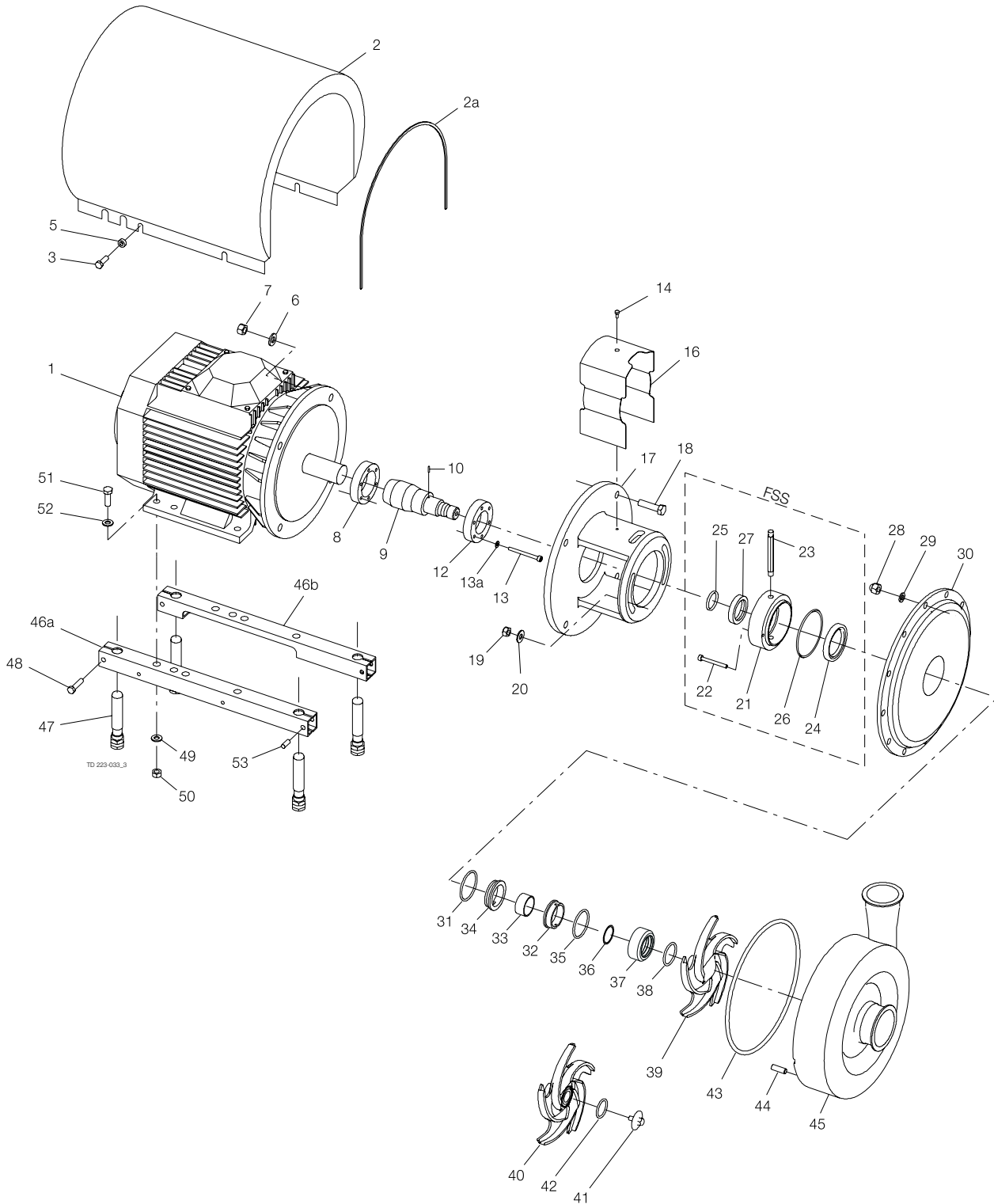
Pos	Qty	Denomination	5.5-30 kW
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**Parts for flushed shaft seal**

21	1	Seal housing for flushed seal	9612362602
22	2	Screw	9611994038
23	2	Tube	9612358907
27	◆◆	Sleeve	9612362902

*Not manufactured anymore*

FSS = Flushed Shaft Seal





Surface roughness, product wetted parts: Ra ≤ 0.8 µm

Pos	Qty	Denomination	5.5-7.5 kW	11-15 kW	18.5 kW	22 kW	30 kW
30	1	Back plate	9612483712	9612483712	9612483712	9612483712	9612483712
39	1	Impeller	9612408609	9612408609	9612408605	9612408605	9612408605
45	1	Pump casing, Flange	9612484020	9612484020	9612484020	9612484020	9612484020
	1	Pump casing, Clamp	9612484025	9612484025	9612484025	9612484025	9612484025
<b>Alternatives</b>							
40	1	Impeller for impeller screw	9612408610	9612408610	9612408606	9612408606	9612408606
41	1	Impeller screw	9612139603	9612139603	9612139603	9612139603	9612139603

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Single shaft seal</b>					
	□♦	Shaft seal complete	9612362204	9612362205	9612362206
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed shaft seal</b>					
	○★	Shaft seal complete	9612362210	9612362211	9612362212
24	1	Lip seal			
25	1	O-ring			
26	1	O-ring			
31	1	O-ring			
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Quad ring			
36	1	PTFE support ring			
38	1	Quad ring			

5.5-30 kW

<b>Single shaft seal</b>		Service kit, EPDM.	□ 9611922163
		Service kit, NBR.	□ 9611922164
		Service kit, FPM.	□ 9611922165
<b>Single shaft seal and impeller screw</b>		Service kit, EPDM.	♦ 9611922166
		Service kit, NBR.	♦ 9611922167
		Service kit, FPM.	♦ 9611922168
<b>Flushed shaft seal</b>		Service kit, EPDM.	○ 9611922169
		Service kit, NBR.	○ 9611922170
		Service kit, FPM.	○ 9611922171
<b>Flushed shaft seal and impeller screw</b>		Service kit, EPDM.	★ 9611922172
		Service kit, NBR.	★ 9611922173

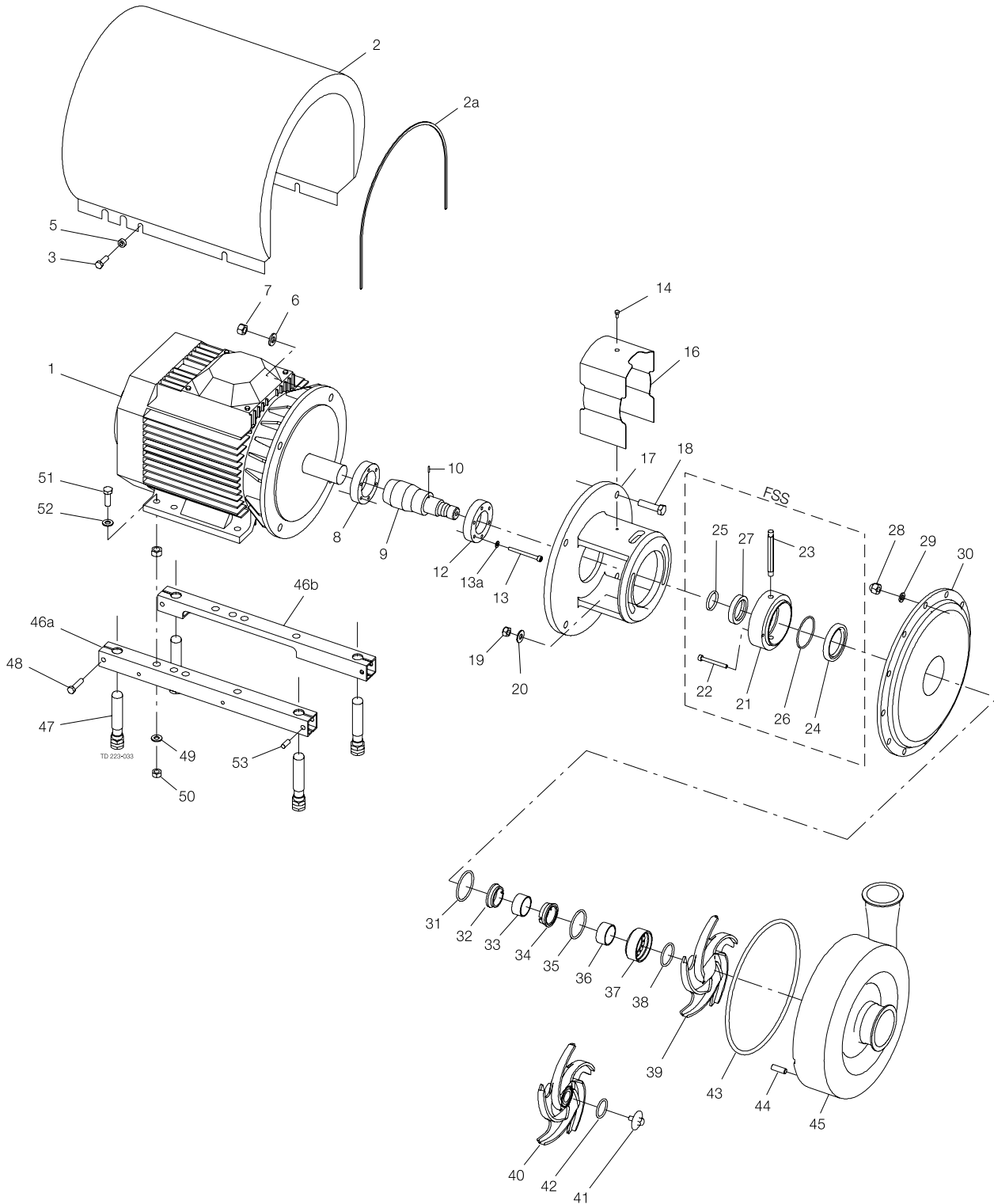
Parts marked with □♦○★ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SIC/SIC 9611922177 = Pos. 21, 22, 23, 24, 25, 26 and 27.

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	22 kW	30-37 kW	45 kW	55-75 kW
3	4	Screw	9611993243	9611993243	9611993243	9611993242
5	4	Distance sleeve	3143803901	3143803903	3143803903	3143803901
6	4	Washer for adaptor	9611991886	9611991886	9611991886	9611991886
7	4	Nut for adaptor	9611992160	9611992160	9611992160	9611992160
8	1	Compression ring with thread	9612133604	9612133607	9612133607	9612133608
9	1	Shaft with pin (pos.10)	9612512303	9612512203	9612512203	9612501003
12	1	Compression ring without thread	9612133704	9612133707	9612133707	9612133708
13	6	Screw	9611993198	9611993198	9611993198	9611993266
13a	6	Washer	9611993199	9611993199	9611993199	9611993199
14	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239
16	1	Safety guard	9612514503	9612514503	9612514503	9612514504
17	1	Adaptor	9612511901	9612511801	9612511801	9612500801
18	4	Screw for adaptor	9611992164	9611992164	9611992164	9611992200
19	4	Nut	9611990353	9611990353	9611990353	9611990353
20	4	Washer	9611992559	9611992559	9611992559	9611992559
28	18	Cap nut	22185115	22185115	22185115	22185115
29	18	Spring washer	9611990676	9611990676	9611990676	9611990676
30	1	Back plate	9612483719	9612483719	9612483719	9612483719
30a □○	1	O-ring, EPDM (standard)	9611993211	9611993211	9611993211	9611993211
	1	O-ring, NBR	9611993212	9611993212	9611993212	9611993212
	1	O-ring, FPM	9611993213	9611993213	9611993213	9611993213
33	1	Spacing ring	9612362504	9612362504	9612362504	9612362504
37	1	Rotating seal housing	9612604501	9612604501	9612604501	9612604501
39	1	Impeller	9613425501	9613425501	9613425501	9613425501
41	1	Impeller screw	9612927101	9612927101	9612927101	9612927101
42 □○	1	O-ring, EPDM	9611993215	9611993215	9611993215	9611993215
	1	O-ring, NBR	9611993216	9611993216	9611993216	9611993216
	1	O-ring, FPM	9611993217	9611993217	9611993217	9611993217
44	18	Stud bolt	9611994721	9611994721	9611994721	9611994721
45	1	Pump casing, Flange	9612484026	9612484026	9612484026	9612484026
	1	Pump casing, Clamp	9612484027	9612484027	9612484027	9612484027
<b>Legs</b>						
46a	1	Support bar, right	9612132204	9612342201	9612342201	
46b	1	Support bar, left	9612132304	9612342201	9612342201	
47	4	Leg	9612396701	9612396701	9612396701	
48	4	Screw	9611991126	9611991907	9611991907	
49	4	Nut	9611990587	9611990587	9611990587	9611990935
50	4	Spring washer	9611990676	9611990676	9611990676	9611993267
51	4	Screw	9611991834	9611993680	9611993680	9611993268
52	4	Washer	9611990706	9611990703	9611990703	9611993269
53	4	Pivot screw		9611991763	9611991763	
54	2	Leg bracket				9612518401
55	4	Nut for leg				9611993260
56	4	Screw for leg				9612518501

Pos	Qty	Denomination	22-75kW			
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Parts for flushed shaft seal

21 □	1	O-ring, EPDM	9611993586				
22	1	Sleeve	9612362903				
23	2	Screw	9611994038				
24	2	Tube	9612358909				
25	1	Seal housing for flushed seal	9612362604				
26 □	1	O-ring, EPDM	9611992753				
27 □	1	Lip seal	9611993587				

Pos	Qty	Denomination	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW
1	1	Motor, <sup>1)</sup> ABB	9612345416	9612345404 <sup>3)</sup>	9612345406 <sup>3)</sup>	9612345408 <sup>3)</sup>	9612345410 <sup>3)</sup>	9612345412 <sup>3)</sup>
	1	Motor, <sup>2)</sup> ABB	9612345415	9612345403 <sup>3)</sup>	9612345405 <sup>3)</sup>	9612345407 <sup>3)</sup>	9612345409 <sup>3)</sup>	9612345411 <sup>3)</sup>
2	1	Shroud	9612139006	9612593801	9612593801	9612593801	9612593804	9612593804
2a	1	Edge list (included in pos. 2)						

<sup>1)</sup> 3~,50Hz, 380-420VΔ/660-690VY -standard  
<sup>3)</sup> Motor ABB (period 0602-)

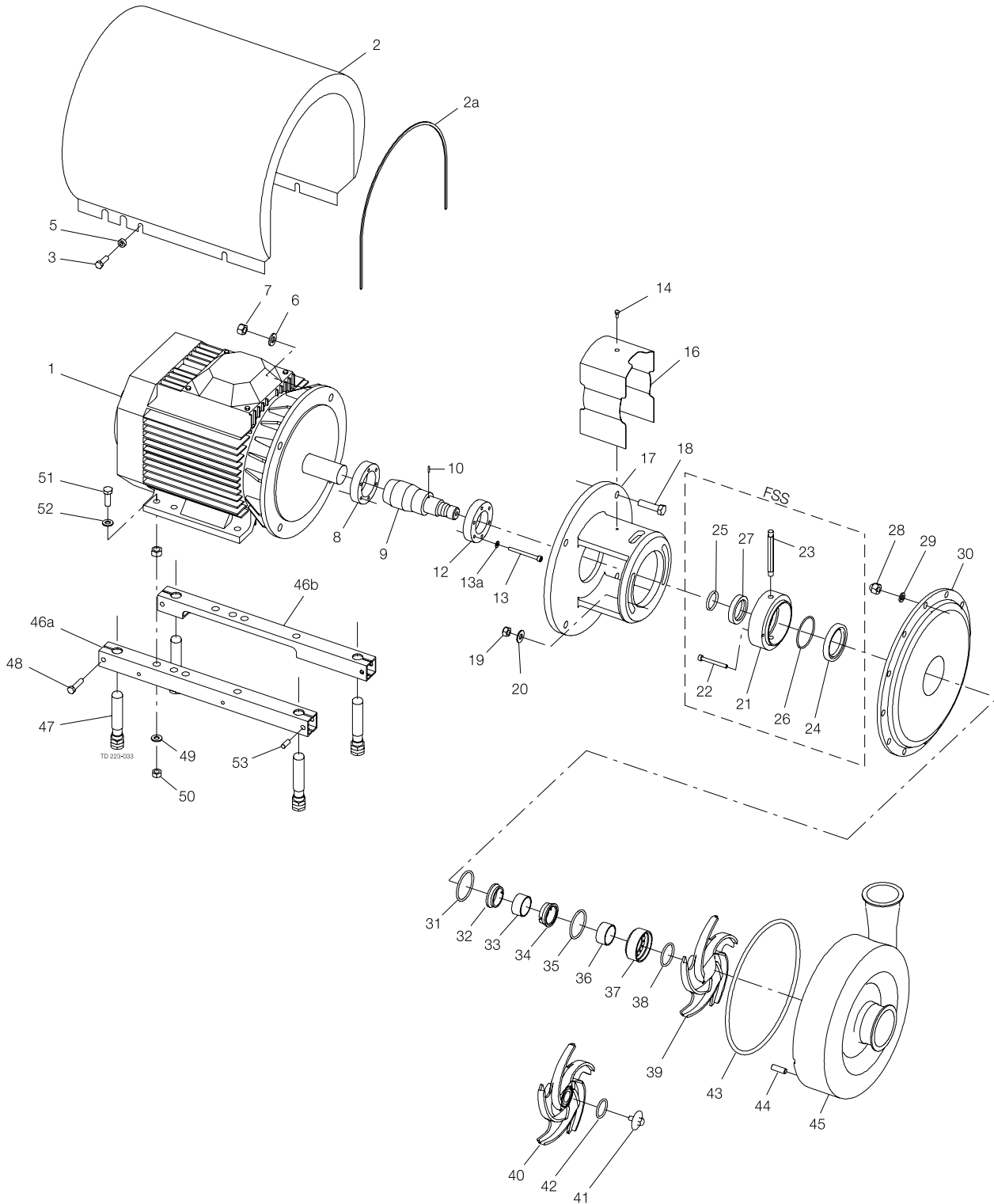
<sup>2)</sup> 3~,50Hz, 220-240VΔ/380-420VY -Option  
 3~,60Hz, 250-280VΔ/440-480VY -Option

Surface roughness, product wetted parts: Ra ≤ 0.8 μm

Pos	Qty	Denomination	22-75 kW
30	1	Back plate	9612483720
39	1	Impeller	9613425503
41	1	Impeller screw	9612927102
45	1	Pump casing, Flange	9612484028
	1	Pump casing, Clamp	9612484029

*Not manufactured anymore*

FSS = Flushed Shaft Seal



Pos	Qty	Denomination	EPDM (standard)	NBR	FPM
○		Shaft seal complete			
31	2	O-ring	9612602401	9612602402	9612602403
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, Carbon			
35	1	Support ring			
36	1	O-ring			

Pos	Qty	Denomination	EPDM	NBR	FPM
□		Shaft seal complete			
31	2	O-ring	9612602404	9612602405	9612602406
32	1	Stationary seal ring, SiC.			
34	1	Rotating seal ring, SiC.			
35	1	Support ring			
36	1	O-ring			

SiC/SiC

**Single shaft seal**

- Service kit, EPDM □ 9611922946
- Service kit, NBR □ 9611922947
- Service kit, FPM □ 9611922948

**Flushed shaft seal**

- Service kit, EPDM ○ 9611922949
- Service kit, NBR ○ 9611922950
- Service kit, FPM ○ 9611922951

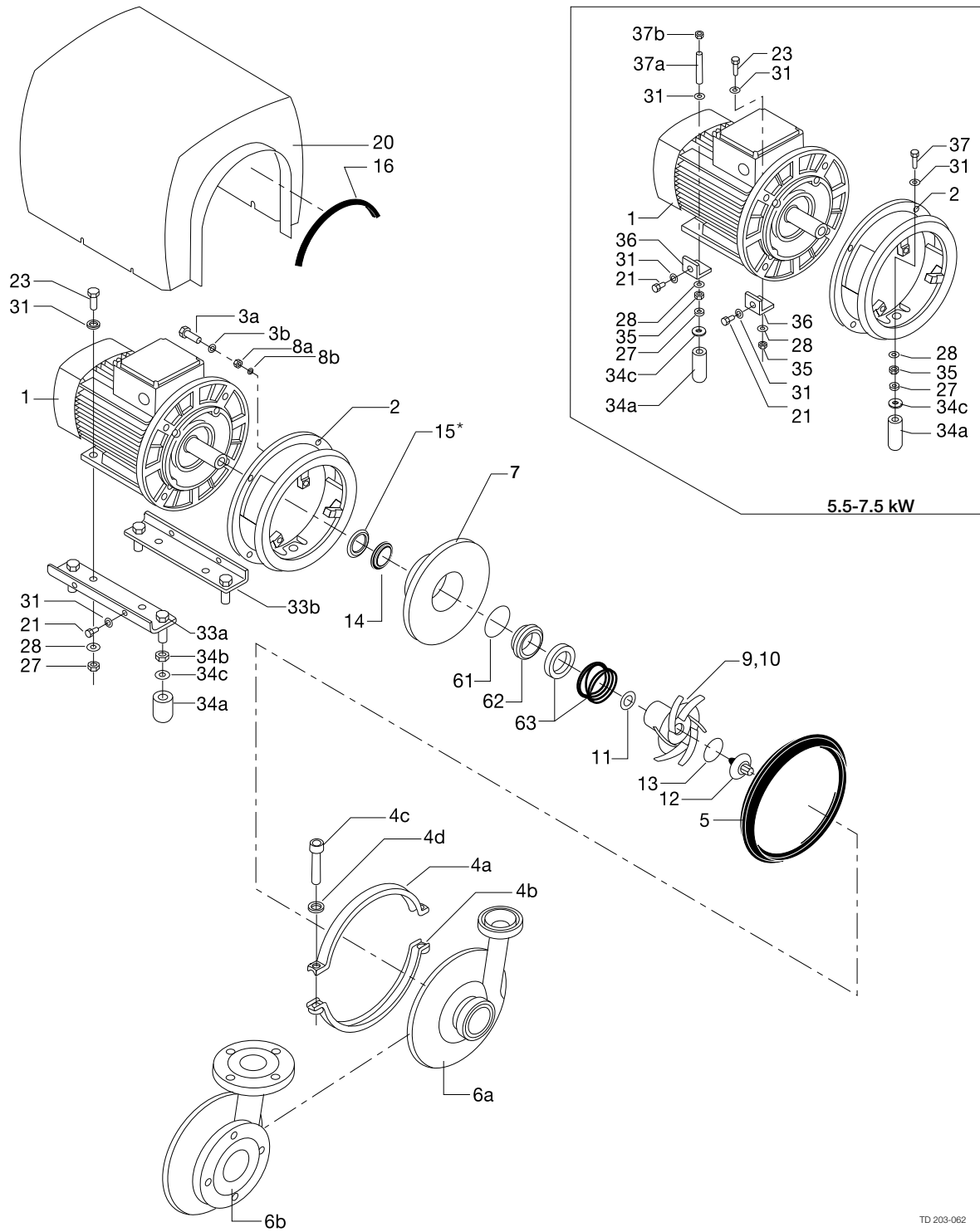
Parts marked with □○ are included in the service kits.

Recommended Spare Parts: Service kits.

Conversion kit, single to flushed shaft seal EPDM SiC/SiC 9611922958 = Pos 21+22+23+24+25+26+27

*Not manufactured anymore*

\* = period -8301 MBL



TD 203-062

Motors: 3000 r/min, 3-phase AC, 50 Hz

Pos	Qty	Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW	7.5 kW
1	1	M2AA motor, 220-240/380-420 V (*period 9310-)						
	1	M2AA motor, 380-420/660 V (*period 9310-)						
	1	MBT motor, 220-240/380-420 V (period -9310 not available anymore)						
	1	MBT motor, 380-420/660 V (period -9310 not available anymore)						
2	1	Adaptor						
3a	4	Screw	9611991823	9611991823	9611991217	9611991217	9611991825	9611991825
3b	4	Spring washer	9611991887	9611991887	9611990676	9611990676	9611990676	9611990676
4a	1	Clamp, upper half						
4b	1	Clamp, lower half						
4d	2	Washer						
5	1	Joint ring, EPDM (Standard)	3146001241	3146001241	3146001241	3146001241	3146001241	3146001241
	1	Joint ring, FPM	3146001243	3146001243	3146001243	3146001243	3146001243	3146001243

**Pump casing with sanitary fittings 65 mm inlet/51 mm outlet**

6a	1	ISO male						
	1	SMS						
	1	DIN						
	1	ISO clamp						
	1	BS						
6b	1	Pump casing with flanges DN 65 inlet/DN 50 outlet						
7	1	Back plate						
8a	3	Nut	22180328	22180328	22180328	22180328	22180328	22180328
8b	3	Spring washer	22310725	22310725	22310725	22310725	22310725	22310725
9*	1	Impeller, diameter 162 mm						
	1	Impeller, diameter 120 mm						
10	1	Key (Inside the impeller) (Is included in pos 9)						
11	1-2.	Shim, 0.1 mm						
	2-3.	Shim, 0.5 mm						
12	1	Impeller, screw						
	1	Impeller, screw for MBT 132 motor (period -9310)						
13	1	O-ring, EPDM (Standard)	99001414	99001414	99001414	99001414	99001414	99001414
16	1	Edge list (Included in pos. 20)						

\* If reduced impeller diameter, please state diameter.

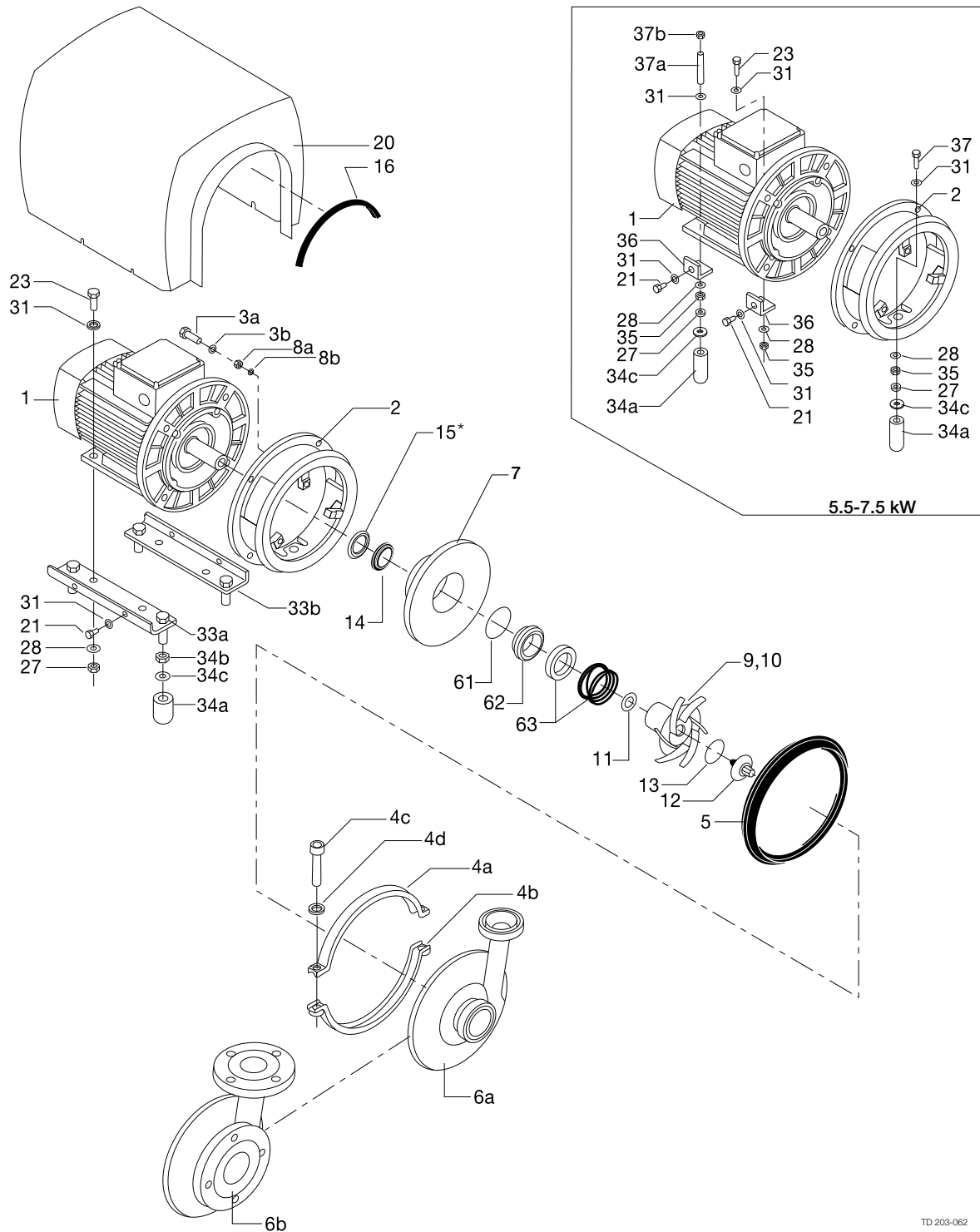
Pos	Qty	Denomination
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**Accessories (Delivered with the pump)**

	1	Key for hexagonal socket screw
	1	Impeller tool

*Not manufactured anymore*

\* = Period -8301 MBL



TD 203-062



Serial Nos. 314603500 and higher - D-seal

Pos	Qty	Denomination	1.5-4 kW	5.5 -7.5 kW
<b>Standard</b>				
□	1	Shaft seal, complete, EPDM silicon carbide/carbon (Standard) . .	3180124682	3180124692
61	1	O-ring, EPDM . . . . .		
62	1	Stationary seal ring, carbon . . . . .		
63	1	Rotating seal ring, EPDM/silicon carbide . . . . .		

<b>Alternatives</b>				
□	1	Shaft seal, complete, FPM silicon carbide/carbone . . . . .	3180124681	3180124691
61	1	O-ring, FPM . . . . .		
62	1	Stationary seal ring, carbon . . . . .		
63	1	Rotating seal ring, FPM/silicon carbide . . . . .		
□	1	Shaft seal, complete, FPM silicon carbide/silicon carbide . . . . .		
61	1	O-ring,FPM . . . . .		
62	1	Stationary seal ring, silicon carbide . . . . .		
63	1	Rotating seal ring, FPM/silicon carbide . . . . .		
□	1	Shaft seal, complete, EPDM silicon carbide/silicon carbide . . . . .		
61	1	O-ring, EPDM . . . . .		
62	1	Stationary seal ring, silicon carbide . . . . .		
63	1	Rotating seal ring, EPDM/silicon carbide . . . . .		

Pos	Qty	Denomination	(Period 8609-) 1.5-2.2 kW	(Period 8609-) 3 kW	(Period 8701-) 4 kW	(Period 8606-) 5-7.5 kW
<b>Shroud</b>						
20	1	Shroud . . . . .				
21	4	Screw . . . . .	9611991824	9611991824	9611991824	9611991824
31	4	Washer . . . . .	9611991831	9611991831	9611991831	9611991831
<b>Legs</b>						
23*	4(2)	Screw . . . . .	9611991176	9611991825	9611991825	9611991834
27*	4(2)	Nut . . . . .	9611990360	9611990587	9611990587	9611990587
28*	4(5)	Spring washer . . . . .	9611991888	9611990676	9611990676	9611990676
31*	4(5)	Washer . . . . .	9611991831	9611990706	9611990706	9611990706
33a	1	Leg bracket, left . . . . .				
33b	1	Leg bracket, right . . . . .				
34a*	4(3)	Leg . . . . .				
34b*	4(3)	Nut . . . . .	9611991829	9611991829	9611991829	9611991829
34c*	4(3)	Washer . . . . .	3146001041	3146001041	3146001041	3146001041

\*Number in bracket for 5.5 - 7.5 kW.

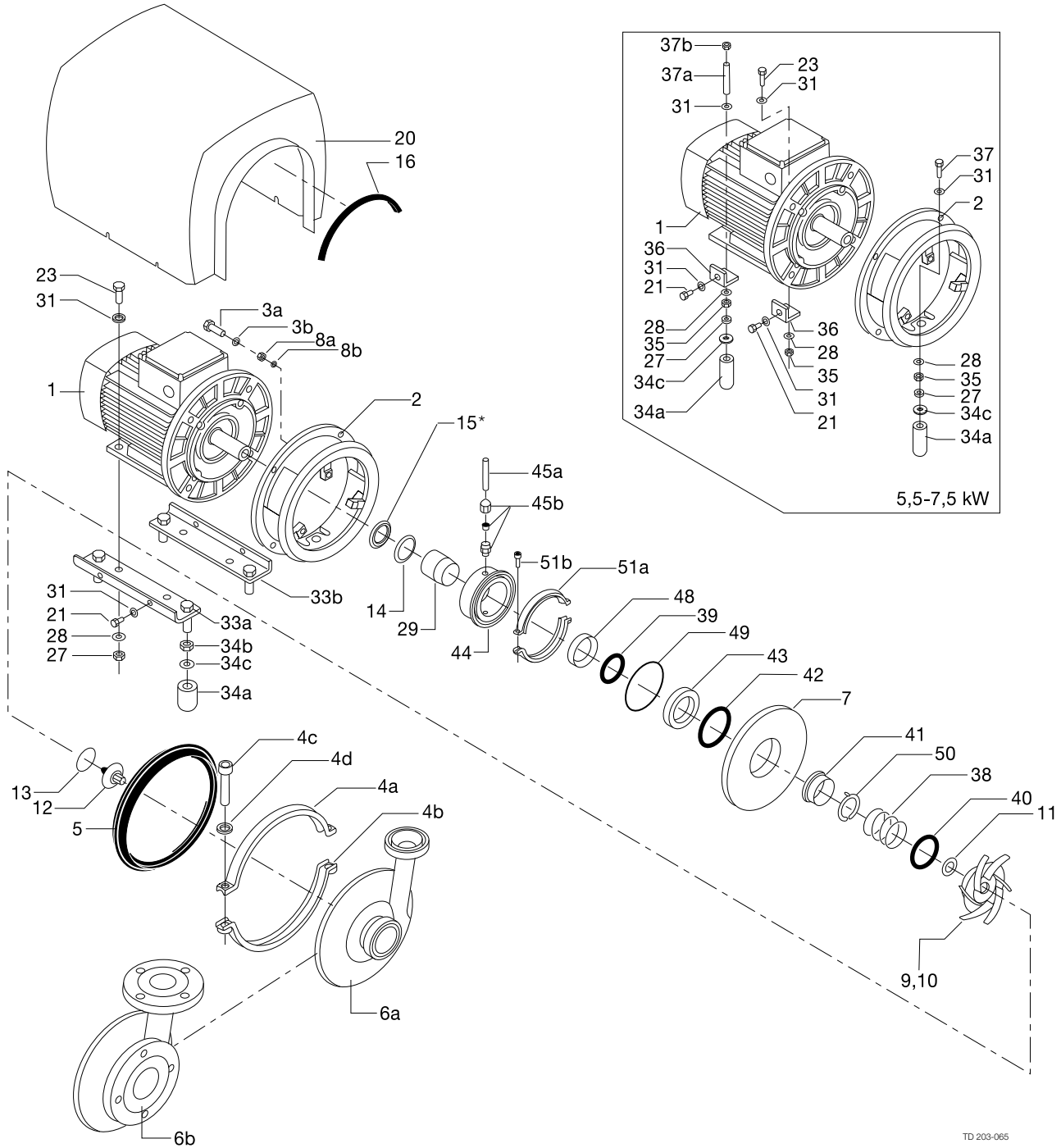
			1.5-4 kW	5.5-7.5 kW
<b>Service kit</b>				
□		Service kit, EPDM Sic/carbon. . . . .	9611922043	9611922044
□		Service kit, FPM Sic/carbon. . . . .	9611922045	9611922046

Parts marked with □ are included in the service kit.

Recommended spare parts: Service kit.

*Not manufactured anymore*

\* = Period -8301 MBL



TD 203-065

Motors: 3000 r/min, 3-phase AC, 50 Hz

Pos	Qty	Denomination	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW	7.5 kW
1	1	M2AA motor, 220-240/380-420 V (*period 9310-)						
	1	M2AA motor, 380-420/660 V (*period 9310-)						
	1	MBT motor, 220-240/380-420 V (period -9310 not available anymore)						
	1	MBT motor, 380-420/660 V (period -9310 not available anymore)						
2	1	Adaptor						
3a	4	Screw	9611991823	9611991823	9611991217	9611991217	9611991825	9611991825
3b	4	Spring washer	9611991887	9611991887	9611990676	9611990676	9611990676	9611990676
4a	1	Clamp, upper half						
4b	1	Clamp, lower half						
4c	2	Screw						
4d	2	Washer						
5	1	Joint ring, EPDM (Standard)	3146001241	3146001241	3146001241	3146001241	3146001241	3146001241
	1	Joint ring, NBR	3146001242	3146001242	3146001242	3146001242	3146001242	3146001242
	1	Joint ring, FPM	3146001243	3146001243	3146001243	3146001243	3146001243	3146001243

**Pump casing with sanitary fittings 63.5 mm inlet/51 mm outlet**

6a	1	ISO male						
	1	SMS						
	1	DIN						
	1	ISO clamp						
	1	BS						
6b	1	Pump casing, with flanges DN 65 inlet/DN 50 outlet						
7	1	Back plate						
8a	3	Nut	22180328	22180328	22180328	22180328	22180328	22180328
8b	3	Spring washer	22310725	22310725	22310725	22310725	22310725	22310725
9*	1	Impeller, diameter 162 mm						
	1	Impeller, diameter 120 mm						
10	1	Key (Inside the impeller), (Is included in pos 9)						
11	1-2.	Shim, 0.1 mm						
	2-3.	Shim, 0.5 mm						
12	1	Impeller, screw						
	1	Impeller, screw for MBT 132 motor (period -9310)						
13	1	O-ring, EPDM (Standard)	99001414	99001414	99001414	99001414	99001414	99001414
	1	O-ring, NBR	22340661	22340661	22340661	22340661	22340661	22340661
	1	O-ring, FPM	26010408	26010408	26010408	26010408	26010408	26010408
14	1	Thrower	3146001431	3146001431				
15	1	Seal ring (period to 8301)						
16	1	Edge list (Included in pos. 20)						

\* If reduced impeller diameter, please state diameter.

Pos	Qty	Denomination
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**Accessories (Delivered with the pump)**

1	Key for hexagonal socket screw
1	Impeller tool

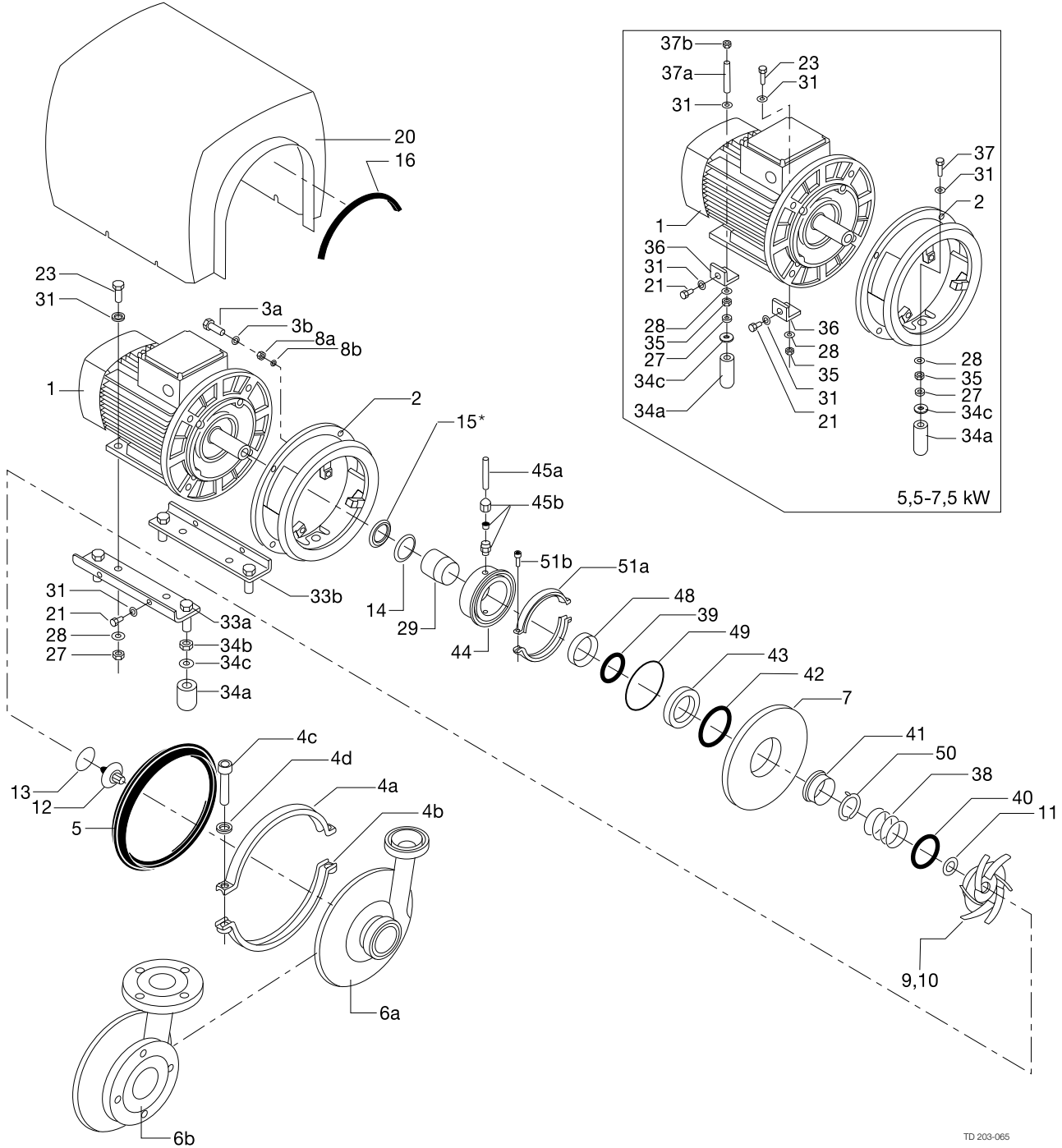
Pos	Qty	Denomination	1.5-2.2 kW	3-4 kW	5.5-7.5 kW
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**Parts for Flushed Shaft Seal**

29	1	Shaft sleeve			
51a+b	1	Clamps and screws, (period 9209-)	3132000272	3132000272	3132000272
51a	2	Clamp half, (period -9209)			
51b	2	Screw, (period -9209)			
39	1	Seal, EPDM (Standard)			3146000591
	1	Seal, NBR			
	1	Seal, FPM			
44	1	Seal housing			
45a	2	Flushing tube			
45b	2	Fitting			

*Not manufactured anymore*

\* = period -8301 MBL



TD 203-065

Pos	Qty	Denomination	EPDM	NBR	FPM				
<b>Flushed Shaft Seal 1.5-4 kW</b>									
□	1	Shaft seal, complete	3146001691						
38	1	Spring							
40	1	O-ring							
41	1	*Rotating seal ring							
42	1	O-ring							
43	1	Stationary seal ring							
48	1	Lip seal							
49	1	O-ring							
50	1	Drive washer							
<b>Flushed Shaft Seal 5.5-7.5 kW</b>									
□	1	Shaft seal, complete	3146002681						
38	1	Spring							
40	1	O-ring							
41	1	*Rotating seal ring							
42	1	O-ring							
43	1	Stationary seal ring							
48	1	Lip seal							
49	1	O-ring							
50	1	Drive washer							
<b>Alternative</b>									
41*	1	Rotating seal ring, silicone carbide							
			(Period 8609-)	(Period 8609-)	(Period 8701-)	(Period 8606-)			
<b>Pos</b>	<b>Qty</b>	<b>Denomination</b>	<b>1.5-2.2 kW</b>	<b>3 kW</b>	<b>4 kW</b>	<b>5.5 kW-7.5 kW</b>			
<b>Shroud</b>									
20	1	Shroud							
21	4	Screw	9611991824	9611991824	9611991824	9611991824			
31	4	Washer	9611991831	9611991831	9611991831	9611991831			
<b>Legs</b>									
23*	4(2)	Screw	9611991176	9611991825	9611991825	9611991834			
27*	4(2)	Nut	9611990360	9611990587	9611990587	9611991829			
28*	4(5)	Spring washer	9611991888	9611990676	9611990676	9611990676			
31*	4(5)	Washer	9611991831	9611990706	9611990706	9611990706			
33a	1	Leg bracket, left							
33b	1	Leg bracket, right							
34a*	4(3)	Leg							
34b*	4(3)	Nut	9611991829	9611991829	9611991829	9611991829			
34c*	4(3)	Washer	3146001041	3146001041	3146001041	3146001041			
35	3	Nut							9611990587
36	4	Bracket							
37	1	Screw, (period 9310-)							9611991833
	3	Screw, (period -9310)							9611991833
37a	2	Studbolt ( period 9310- )							
37b	2	Nut ( period 9310- )							9611990587
*Number in bracket for 5.5 - 7.5kW.									
			<b>1.5-2.2 kW</b>	<b>3-4 kW</b>	<b>5.5-7.5 kW</b>				

**Service kit**

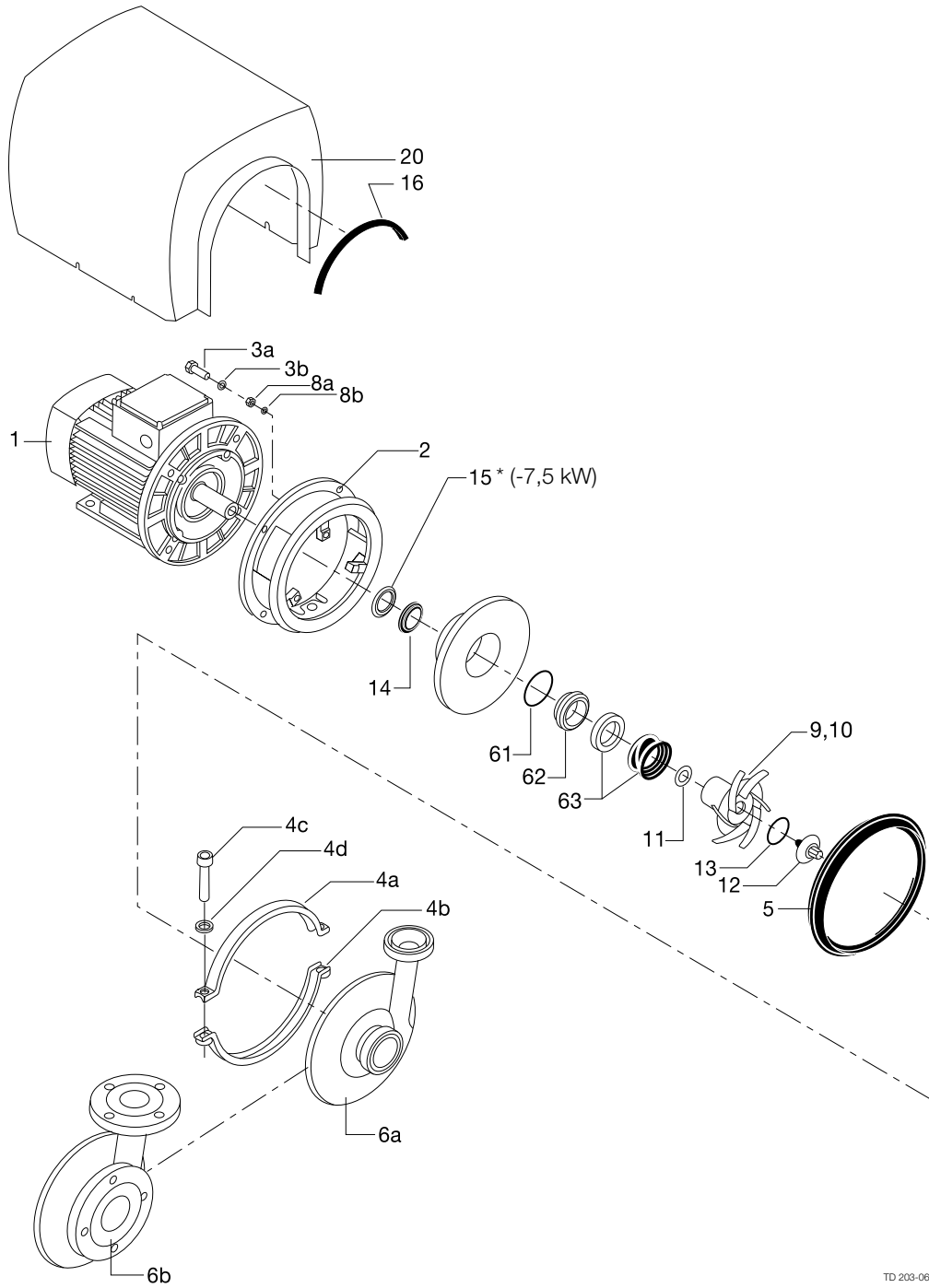
□	<b>Service kit, EPDM.</b>	<b>9611922047</b>	<b>9611922049</b>
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Parts marked with □ are included in the service kit.

Recommended spare parts: Service kit.

900053/1

*Not manufactured anymore*



TD 203-064

Motors: 3000 r/min, 3-phase AC, 50 Hz

Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
1	1	M2AA motor, 220-240/380-420V (*period 9310-)						
	1	M2AA motor, 380-420/660 V (*period 9310-)						
	1	MBT motor, 220-240/380-420 V (period -9310 not available anymore)						
	1	MBT motor, 380-420/660 V (Standard) (period -9310 not available anymore)						
2	1	Adaptor						
3a	4	Screw	9611991825	9611991825	9611991826	9611991826	9611991826	
3b	4	Spring washer	9611990676	9611990676	9611991886	9611991886	9611991886	9611991886
4a	1	Clamp, upper half						
4b	1	Clamp, lower half						
4c	2	Screw	9611991827	9611991827	9611991827	9611991827	9611991827	9611991827
4d	2	Washer						
5	□ 1	Joint ring, EPDM (Standard)	3146000091	3146000091	3146000091	3146000091	3146000091	3146000091
	1	Joint ring, FPM	3146000093	3146000093	3146000093	3146000093	3146000093	3146000093

**Pump casing with sanitary fittings (standard) 76 mm inlet/63.5 mm outlet**

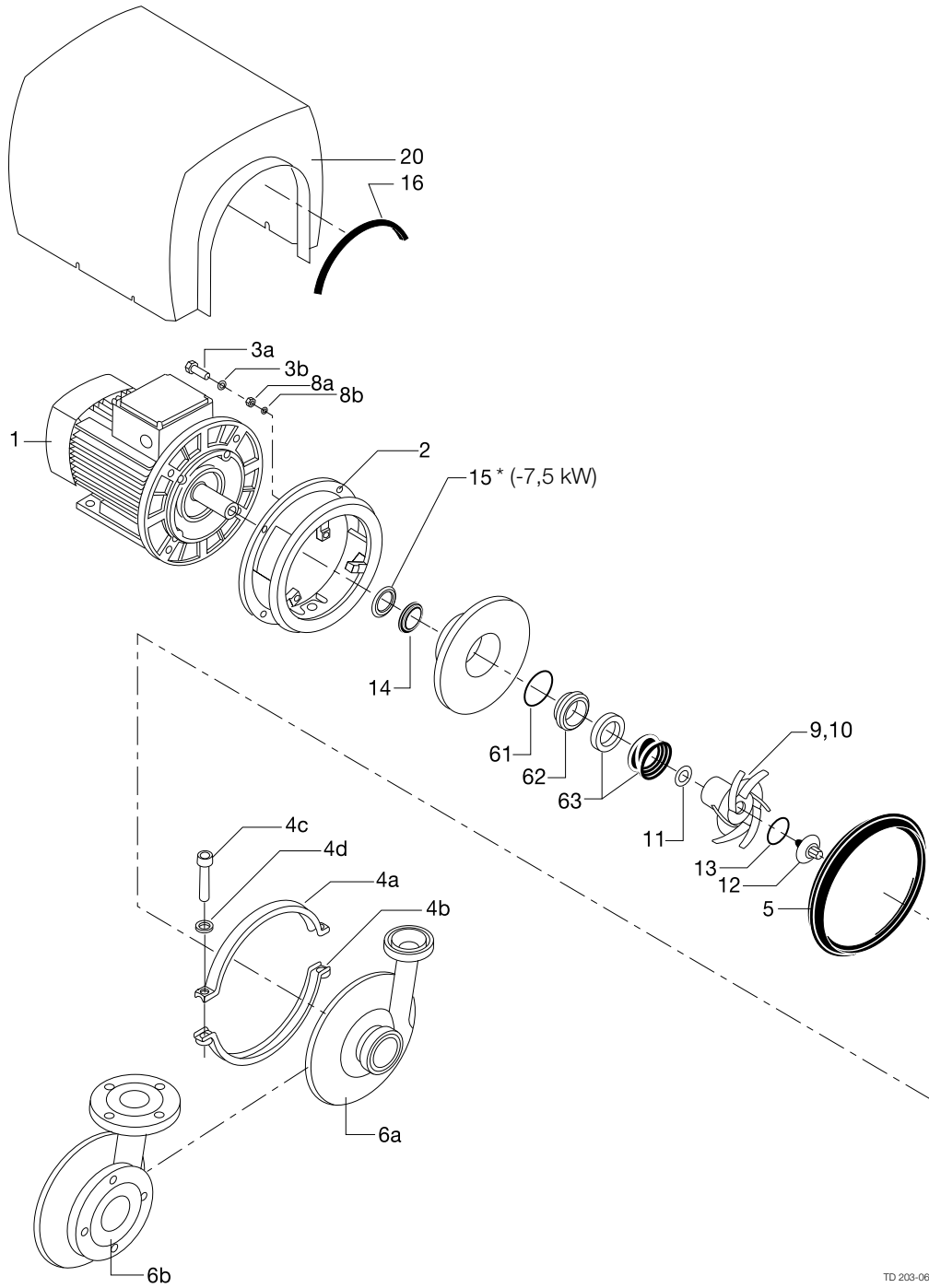
6a	1	ISO male						
	1	SMS						
	1	DIN						
	1	ISO clamp						
	1	BS						

**Pump casing with sanitary fittings 63.5 mm inlet/51 mm outlet**

	1	ISO male						
	1	SMS						
	1	DIN						
	1	ISO clamp						
	1	BS						
6b	1	Pump casing with flanges (Standard) DN 80 inlet/DN 65 outlet						
	1	Pump casing with flanges (Standard) DN 65 inlet/DN 50 outlet						
7	1	Back plate						
8a	3	Nut	22180328	22180328	22180328	22180328	22180328	22180328
8b	3	Spring washer	22310725	22310725	22310725	22310725	22310725	22310725
9*	1	Impeller, diameter 180 mm						
	1	Impeller, diameter 240 mm						
10	1	Key (Inside the impeller) (Is included in pos. 10)						
11	1-2.	Shim, 0.1 mm						
	2-3.	Shim, 0.5 mm						
12	1	Impeller, screw						
	1	Impeller, screw for MBT 132 motor (period -9310)						
13	□ 1	O-ring, EPDM (Standard)	99001405	99001405	99001405	99001405	99001405	
	1	O-ring, FPM						
14	1	Thrower			3146003752	3146003752	3146003752	3146003751
15	1	Seal ring (period to 8301)						
16	1	Edge list (Included in pos. 20)						
20	1	Shroud						

\* If reduced impeller diameter, please state diameter.

*Not manufactured anymore*



TD 203-064



**Pos Qty Denomination**

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**Accessories (Delivered with the pump)**

- 1 Key for hexagonal socket screw . . . . .
- 1 Impeller tool . . . . .
- 1 Shroud for 22 kW . . . . .

**Pos Qty Denomination 5.5 -18.5 kW 22 kW**

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**Standard**

- 60  1 Shaft seal, complete, EPDM silicon carbide/carbon (Standard) . . 3180124692 3180124702
- 61 1 O-ring, EPDM . . . . .
- 62 1 Stationary seal ring, carbon . . . . .
- 63 1 Rotating seal ring, EPDM / silicon carbide . . . . .

**Alternatives**

- 60  1 Shaft seal, complete, FPM silicon carbide/carbon . . . . . 3180124691
- 61 1 O-ring, FPM . . . . .
- 62 1 Stationary seal ring, carbon . . . . .
- 63 1 Rotating seal ring, FPM / Silicon carbide . . . . .
- 60 1 Shaft seal, complete, FPM silicon carbide/silicon carbide . . . . .
- 61 1 O-ring, FPM . . . . .
- 62 1 Stationary seal ring, silicon carbide . . . . .
- 63 1 Rotating seal ring, FPM/silicon carbide . . . . .
- 60 1 Shaft seal, complete, EPDM silicon carbide/silicon carbide . . . . .
- 61 1 O-ring, EPDM . . . . .
- 62 1 Stationary seal ring, silicon carbide . . . . .
- 63 1 Rotating seal ring, EPDM/silicon carbide . . . . .

**Service kit**

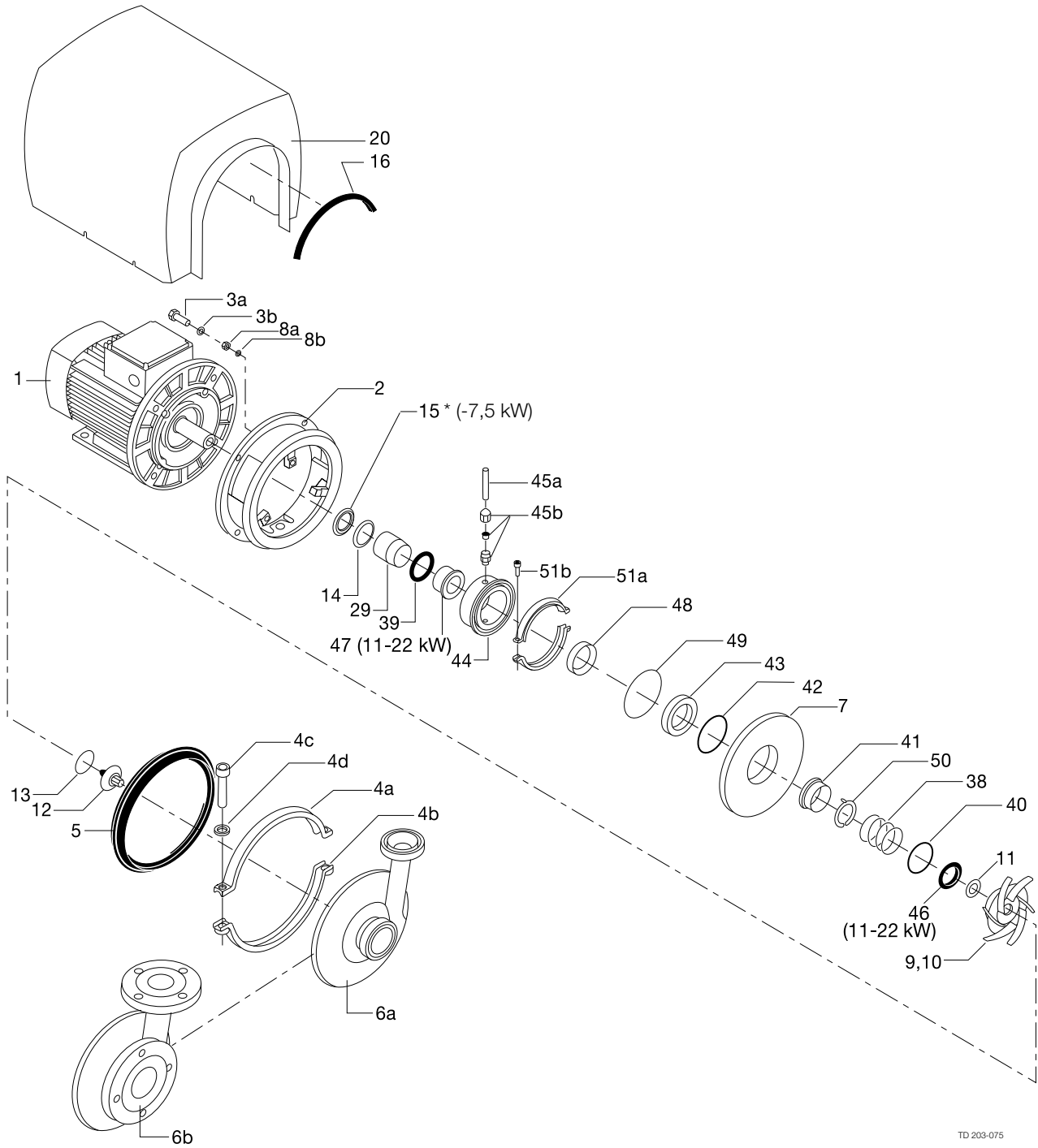
- Service kit, EPDM sic/carbon. . . . . 9611922056**

Parts marked with  are included in the service kit.

Recommended spare parts: Service kits.

*Not manufactured anymore*

\* = Period -8301 MBL



TD 203-075

Motors: 3000 r/min, 3-phase AC, 50 Hz

Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
1	1	M2AA motor, 220-240/380-420 V (*period 9310-) . . . . .						
	1	M2AA motor, 380-420/660 V (*period 9310-) . . . . .						
	1	MBT motor, 220-240/380-420 V (period -9310 not available anymore) . . . . .						
	1	MBT motor, 380-420/660 V (Standard) (period -9310 not available anymore) . . . . .						
2	1	Adaptor . . . . .						
3a	4	Screw . . . . .	9611991825	9611991825	9611991826	9611991826	9611991826	3146013381
3b	4	Spring washer . . . . .	9611990676	9611990676	9611991886	9611991886	9611991886	9611991886
4a	1	Clamp, upper half . . . . .						
4b	1	Clamp, lower half . . . . .						
4c	2	Screw . . . . .	9611991827	9611991827	9611991827	9611991827	9611991827	9611991827
4d	2	Washer . . . . .						
5	□ 1	Joint ring, EPDM (Standard) . . . . .	3146000091	3146000091	3146000091	3146000091	3146000091	3146000091
	1	Joint ring, NBR . . . . .						
	1	Joint ring, FPM . . . . .	3146000093	3146000093	3146000093	3146000093	3146000093	3146000093

**Pump casing with sanitary fittings (standard) 76 mm inlet/63.5 mm outlet**

6a	1	ISO male . . . . .						
	1	SMS . . . . .						
	1	DIN . . . . .						
	1	ISO clamp . . . . .						
	1	BS . . . . .						

**Pump casing with sanitary fittings 63.5 mm inlet/51 mm outlet**

	1	ISO male . . . . .						
	1	SMS . . . . .						
	1	DIN . . . . .						
	1	ISO clamp . . . . .						
	1	BS . . . . .						
6b	1	Pump casing with flanges, (Standard) DN 80 inlet/DN 65 outlet . . . . .						
	1	Pump casing with flanges, (Standard) DN 65 inlet/DN 50 outlet . . . . .						
7	1	Back plate . . . . .						
8a	3	Nut . . . . .	22180328	22180328	22180328	22180328	22180328	22180328
8b	3	Spring washer . . . . .	22310725	22310725	22310725	22310725	22310725	22310725
9*	1	Impeller, diameter 180 mm . . . . .						
	1	Impeller, diameter 240 mm . . . . .						
10	1	Key (Inside the impeller), (Is included in pos. 9) . . . . .						
11	1-2.	Shim, 0.1 mm . . . . .						
	2-3.	Shim, 0.5 mm . . . . .						
12	1	Impeller, screw . . . . .						
	1	Impeller, screw for MBT 132 motor (period -9310) . . . . .						
13	□ 1	O-ring, EPDM (Standard) . . . . .	99001405	99001405	99001405	99001405	99001405	99001405
	1	O-ring, FPM . . . . .						
14	1	Thrower . . . . .						
15	1	Seal ring (period to 8301) . . . . .						
16	1	Edge list (Included in pos. 20) . . . . .						
20	1	Shroud . . . . .						

\* If reduced impeller diameter, please state diameter.

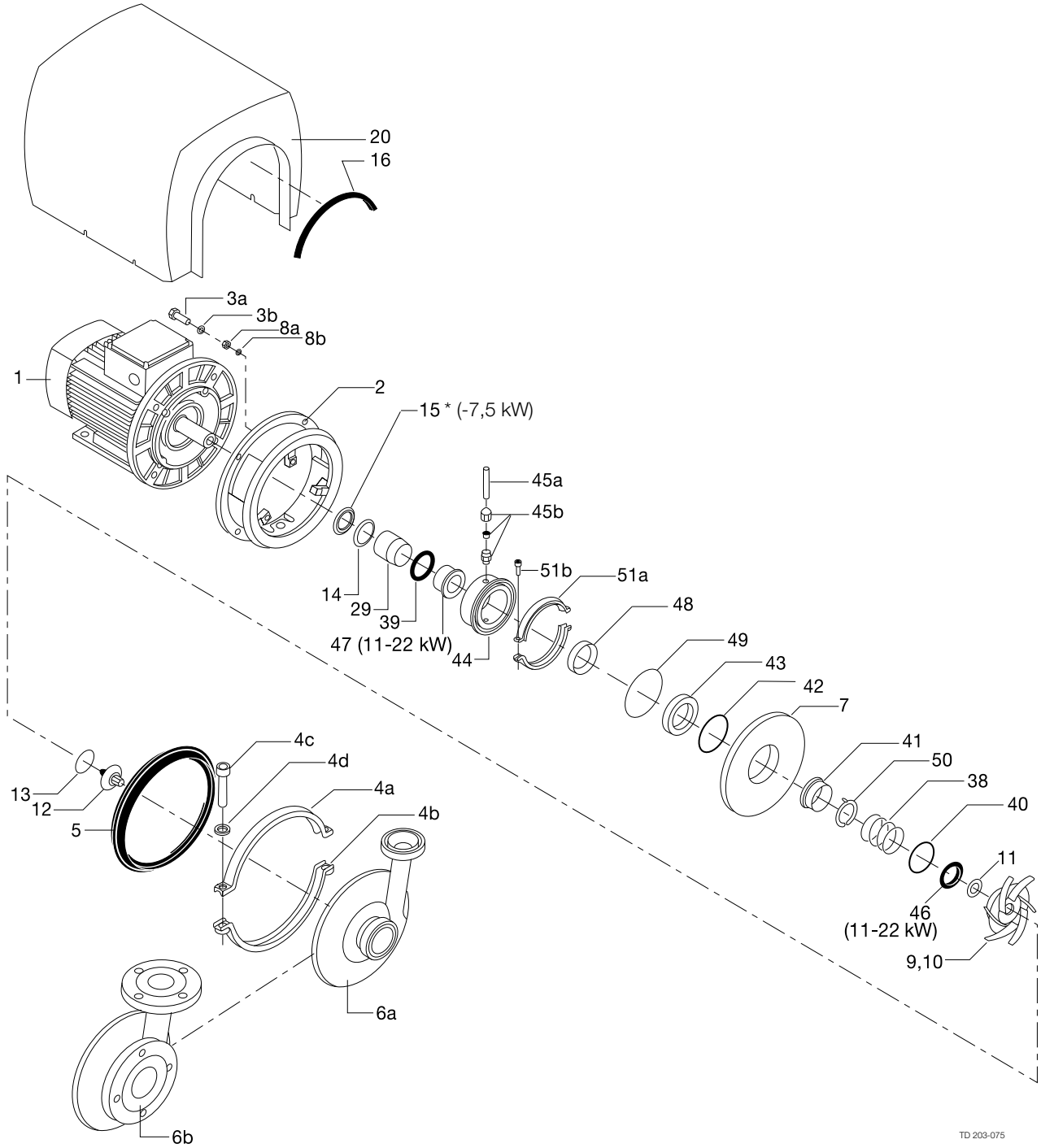
**Pos Qty Denomination**

**Accessories (Delivered with the pump)**

1	Key for hexagonal socket screw . . . . .
1	Impeller tool . . . . .

*Not manufactured anymore*

\* = (-7.5 kW) period -8301 MBL



TD 203-075

Pos	Qty	Denomination	5.5-7.5 kW	11-18.5 kW	22 kW (Period -9203)	22 kW (Period 9203-)
<b>Parts for Flushed Shaft Seal</b>						
29	1	Shaft sleeve, back	3146002231			
51a+b	1	Clamps and screws (period 9209-)	3132000272	3132000272	3132000272	3132000272
51a	2	Clamp half (period -9209)				
51b	2	Screw (period -9209)				
39	□ 1	Seal, EPDM (Standard)	3146000591	3146002271		
	1	Seal, NBR				
	1	Seal, FPM				
	1	Seal, PTFE				
44	1	Seal housing				
45a	2	Flushing tube				
45b	2	Fitting				
46	□ 1	Seal, EPDM (Standard)		3146000141		
	1	Seal, NBR				
	1	Seal, FPM				
47	1	Shaft sleeve, front				

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed Shaft Seal 5.5-22 kW</b>					
□	1	Shaft seal, complete	3146002681		
38	1	Spring	3146001991	3146001991	
40	1	O-ring	99005102	99005101	
41	1	*Rotating seal ring			
42	1	O-ring	99001411	99001410	
43	1	Stationary seal ring	3146000224	3146000224	
48	1	Lip seal	3144600882	3144600882	
49	1	O-ring	26010425	26010425	
50	1	Drive washer	3146001981	3146001981	

**Alternative**

41*	1	Rotating seal ring, silicone carbide			
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			5.5-7.5 kW	11-18.5 kW	22 kW (Period -9203)	22 kW (Period 9203-)
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**Service kit**

□		<b>Service kit, EPDM.</b>	9611922060			
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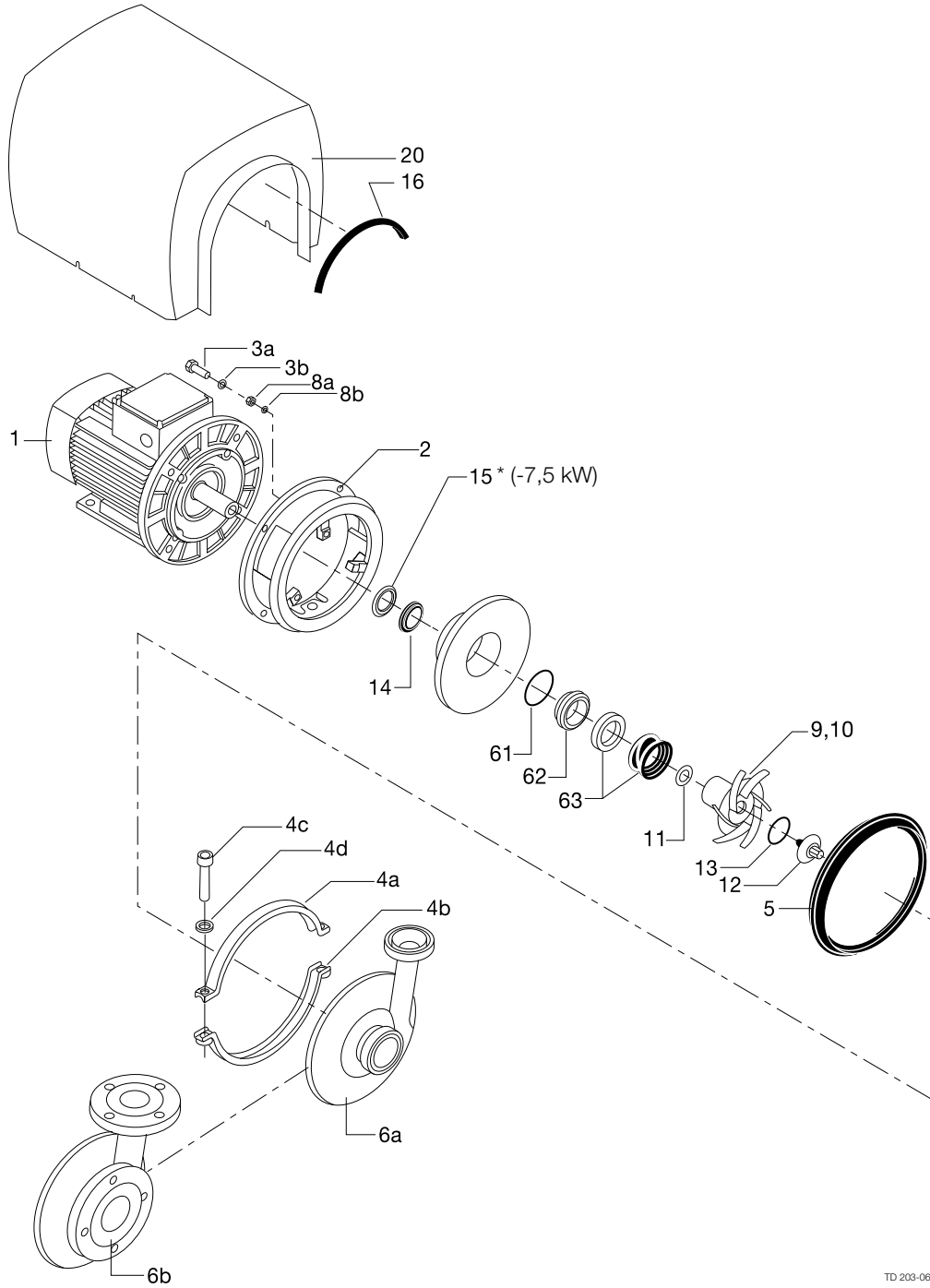
Parts marked with □ are included in the service kit.

Recommended spare parts: Service kits.

900055/1

*Not manufactured anymore*

\* = Period -8301 MBL



TD 203-064

Motors: 3000 r/min, 3-phase AC, 50 Hz

Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
1	1	M2AA motor, 220-240/380-420 V (*period 9310-) . . . . .						
	1	M2AA motor, 380-420/660 V (*period 9310-) . . . . .						
	1	MBT motor, 220-240/380-420 V (period -9310 not available anymore) . . . . .						
	1	MBT motor, 380-420/660 V (period -9310 not available anymore) . . . . .						
2	1	Adaptor . . . . .						
3a	4	Screw . . . . .	9611991825	9611991825	9611991826	9611991826	9611991826	
3b	4	Spring washer . . . . .	9611990676	9611990676	9611991886	9611991886	9611991886	9611991886
4a	1	Clamp, upper half . . . . .						
4b	1	Clamp, lower half . . . . .						
4c	2	Screw . . . . .	9611991827	9611991827	9611991827	9611991827	9611991827	9611991827
4d	2	Washer . . . . .						
5	1	Joint ring, EPDM (Standard) . . . . .	3146000091	3146000091	3146000091	3146000091	3146000091	3146000091
	1	Joint ring, FPM . . . . .	3146000093	3146000093	3146000093	3146000093	3146000093	3146000093

**Pump casing with sanitary fittings (standard) 101.6 mm inlet/76 mm outlet**

6a	1	ISO male . . . . .						
	1	SMS . . . . .						
	1	DIN . . . . .						
	1	ISO clamp . . . . .						
	1	BS . . . . .						
6b	1	Pump casing with flanges DN 100 inlet/DN 80 outlet . . . . .						
7	1	Back plate . . . . .						
8a	3	Nut . . . . .	22180328	22180328	22180328	22180328	22180328	22180328
8b	3	Spring washer . . . . .	22310725	22310725	22310725	22310725	22310725	22310725
9*	1	Impeller, diameter 166 mm . . . . .						
	1	Impeller, diameter 195 mm . . . . .						
10	1	Key (Inside the impeller) (Is included in pos. 9) . . . . .						
11	1-2.	Shim, 0.1 mm . . . . .						
	2-3.	Shim, 0.5 mm . . . . .						
12	1	Impeller, screw . . . . .						
	1	Impeller, screw for MBT 132 motor (period -9310) . . . . .						
13	1	O-ring, EPDM (Standard) . . . . .	99001405	99001405	99001405	99001405	99001405	
	1	O-ring, FPM . . . . .						
14	1	Thrower . . . . .						
15	1	Seal ring (period to 8301) . . . . .						
16	1	Edge list (Included in pos. 20) . . . . .						
20	1	Shroud . . . . .						

\* If reduced impeller diameter, please state diameter.

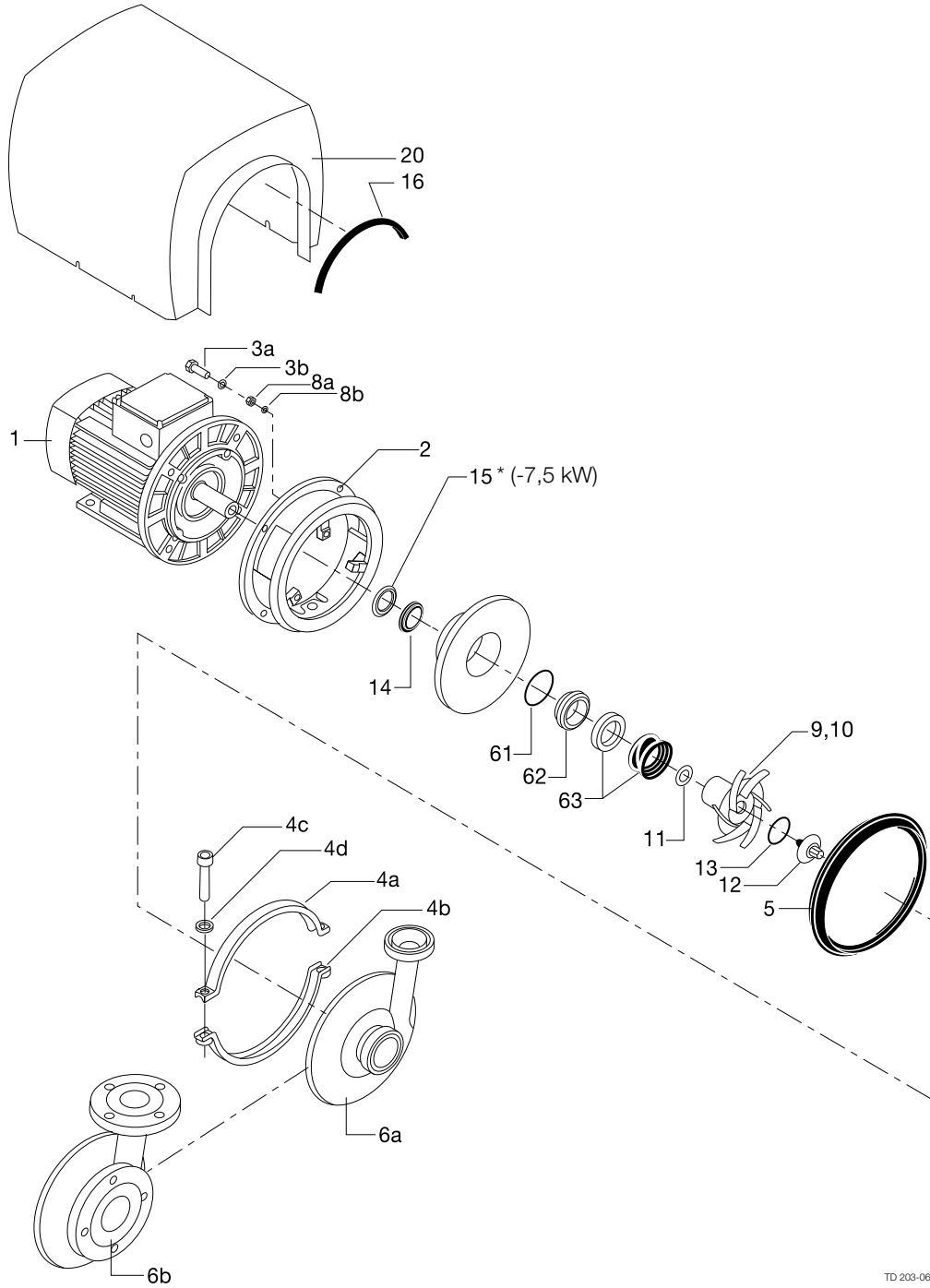
Pos	Qty	Denomination
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**Accessories (Delivered with the pump)**

1	1	Key for hexagonal socket screw . . . . .
1	1	Impeller tool . . . . .

*Not manufactured anymore*

\* = Period -8301 MBL



TD 203-064



Pos	Qty	Denomination	5.5 -18.5 kW	22 kW
<b>Standard</b>				
60 □	1	Shaft seal, complete, EPDM silicon carbide/carbon (Standard)	3180124692	3180124702
61	1	O-ring, EPDM		
62	1	Stationary seal ring, carbon		
63	1	Rotating seal ring, EPDM / silicon carbide		
<b>Alternatives</b>				
60 □	1	Shaft seal, complete, FPM silicone carbide/carbon	3180124691	
61	1	O-ring, FPM		
62	1	Stationary seal ring, carbon		
63	1	Rotating seal ring, FPM / silicon carbide		
60	1	Shaft seal, complete, FPM silicon carbide/silicon carbide		
61	1	O-ring, FPM		
62	1	Stationary seal ring, silicon carbide		
63	1	Rotating seal ring, FPM/silicon carbide		
60	1	Shaft seal, complete, EPDM silicon carbide/silicone carbide		
61	1	O-ring, EPDM		
62	1	Stationary seal ring, silicon carbide		
63	1	Rotating seal ring, EPDM/silicon carbide		
<b>Service kit</b>				
		Service kit, EPDM sic/carbon.		
		Service kit, FPM sic/carbon.		

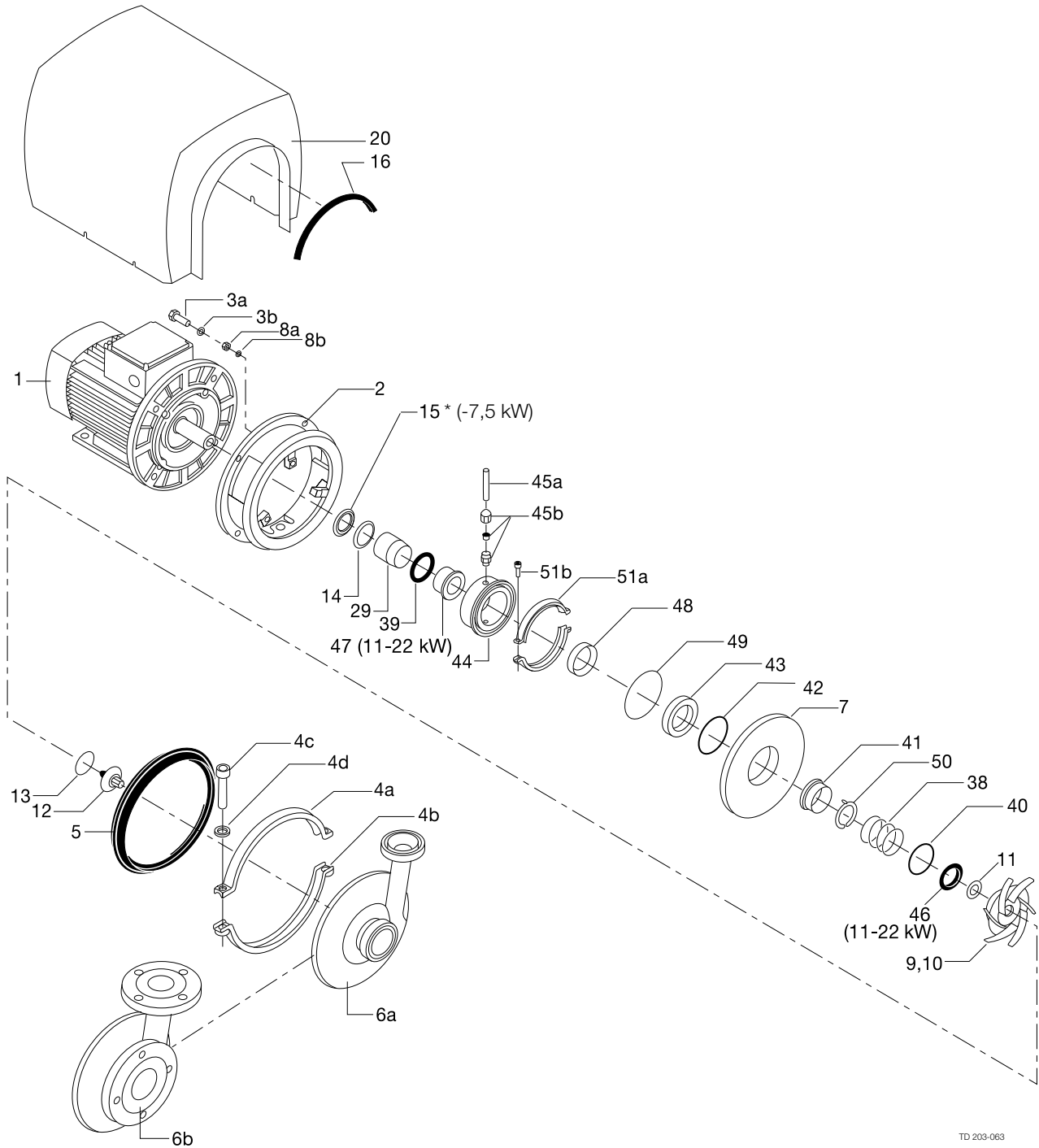
Parts marked with □ are included in the service kit.

Recommended spare parts: Service kits.

900056/1

*Not manufactured anymore*

\* = Period -8301 MBL



TD 203-063

Motors: 3000 r/min, 3-phase AC, 50 Hz

Pos	Qty	Denomination	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
1	1	M2AA motor, 220-240/380-420 V (*period 9310-)						
	1	M2AA motor, 380-420/660 V (*period 9310-)						
	1	MBT motor, 220-240/380-420 V (period -9310 not available anymore)						
	1	MBT motor, 380-420/660 V (period -9310 not available anymore)						
2	1	Adaptor						
3a	4	Screw	9611991825	9611991825	9611991826	9611991826	9611991826	3146013381
3b	4	Spring washer	9611990676	9611990676	9611991886	9611991886	9611991886	9611991886
4a	1	Clamp, upper half						
4b	1	Clamp, lower half						
4c	2	Screw	9611991827	9611991827	9611991827	9611991827	9611991827	9611991827
4d	2	Washer						
5	1	Joint ring, EPDM (Standard)	3146000091	3146000091	3146000091	3146000091	3146000091	3146000091
	1	Joint ring, NBR						
	1	Joint ring, FPM	3146000093	3146000093	3146000093	3146000093	3146000093	3146000093

**Pump casing with sanitary fittings (standard) 101.6 mm inlet/76 mm outlet**

6a	1	ISO male						
	1	SMS						
	1	DIN						
	1	ISO clamp						
	1	BS						
6b	1	Pump casing with flanges (Standard) DN 100 inlet/DN 80 outlet						
7	1	Back plate						
8a	3	Nut	22180328	22180328	22180328	22180328	22180328	22180328
8b	3	Spring washer	22310725	22310725	22310725	22310725	22310725	22310725
9*	1	Impeller, diameter 166 mm						
	1	Impeller, diameter 195 mm						
10	1	Key (Inside the impeller) (Is included in pos. 9)						
11	1-2.	Shim, 0.1 mm						
	2-3.	Shim, 0.5 mm						
12	1	Impeller, screw						
	1	Impeller, screw for MBT 132 motor (period -9210)						
13	□ 1	O-ring, EPDM (Standard)	99001405	99001405	99001405	99001405	99001405	
	1	O-ring, NBR						22340664
	1	O-ring, FPM						
14	1	Thrower						
15	1	Seal ring (period to 8301)						
16	1	Edge list (Included in pos. 20)						
20	1	Shroud						

\* If reduced impeller diameter, please state diameter.

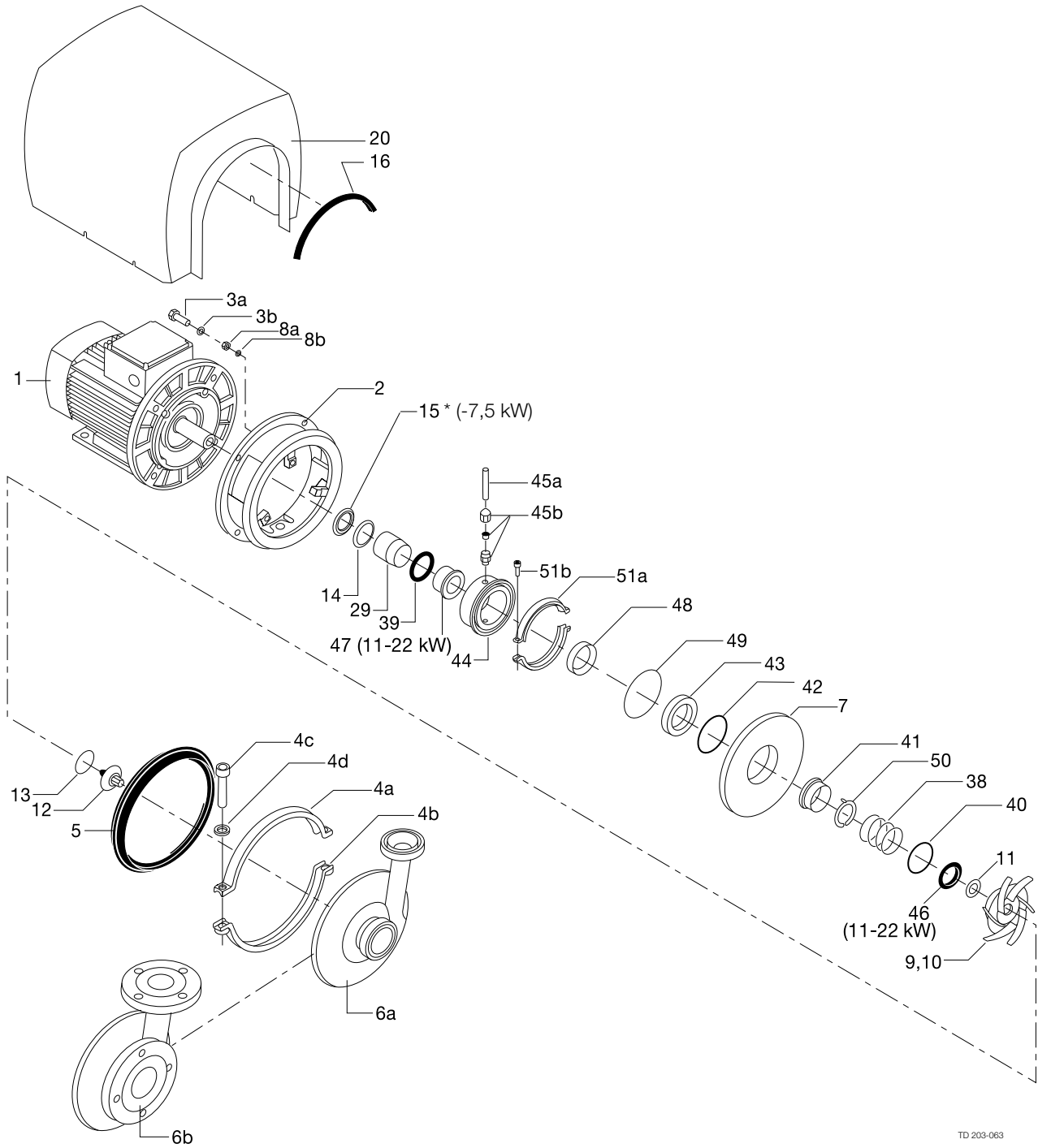
Pos	Qty	Denomination
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**Accessories (Delivered with the pump)**

1	1	Key for hexagonal socket screw
1	1	Impeller tool

*Not manufactured anymore*

\* = Period -8301 MBL



TD 203-063

Pos	Qty	Denomination	5.5-7.5 kW	11-18.5 kW	22 kW (Period -9203)	22 kW (Period 9203-)
<b>Parts for Flushed Shaft Seal</b>						
29	1	Shaft sleeve, back	3146002231			
51a+b	1	Clamps and screws (period 9209-)	3132000272	3132000272	3132000272	3132000272
51a	2	Clamp half (period -9209)				
51b	2	Screw (period -9209)				
39 □	1	Seal, EPDM (Standard)	3146000591	3146002271	3146002274	
	1	Seal, NBR				
	1	Seal, FPM				
	1	Seal, PTFE				
44	1	Seal housing				
45a	2	Flushing tube				
45b	2	Fitting				
46 □	1	Seal, EPDM (Standard)		3146000141		
	1	Seal, NBR				
	1	Seal, , FPM				
47	1	Shaft sleeve, front				

Pos	Qty	Denomination	EPDM (Standard)	NBR	FPM
<b>Flushed Shaft Seal 5.5-22 kW</b>					
□	1	Shaft seal, complete	3146002681	3146002682	
38	1	Spring	3146001991	3146001991	
40	1	O-ring	99005102	99005101	
41	1	*Rotating seal ring	3146000281	3146000281	
42	1	O-ring	99001411	99001410	
43	1	Stationary seal ring	3146000224	3146000224	
48	1	Lip seal	3144600882	3144600882	
49	1	O-ring	26010425	26010425	
50	1	Drive washer	3146001981	3146001981	

**Alternative**

41*	1	Rotating seal ring, silicone carbide			
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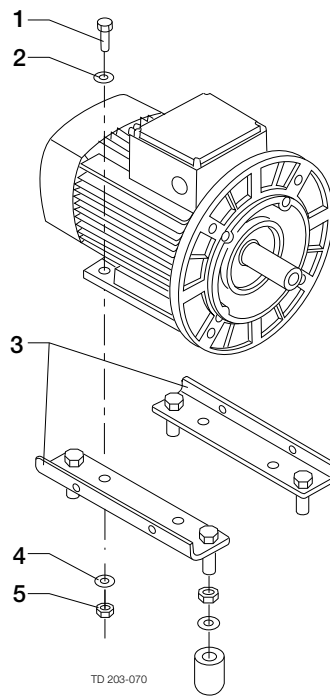
**Service kit**

□		<b>Service kit, EPDM.</b>	<b>9611922060</b>	<b>9611922061</b>	
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Parts marked with □ are included in the service kit.

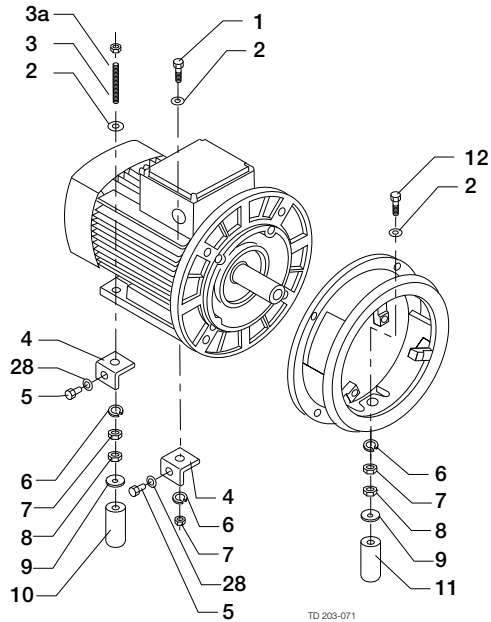
Recommended spare parts: Service kits.

*Not manufactured anymore*



Pos	Qty	Denomination	(Period - 8609)	(Period - 8609)	(Period - 8701)	(Period - 8606)
			1.5-2.2 kW	3 kW	4 kW	5-7.5 kW
<b>Legs</b>						
1	4	Screw	9611991825	9611991825	9611991825	9611991834
2	4	Washer	9611991831	9611990706	9611990706	9611990706
3	2	Leg bracket				
4	4	Spring washer	9611991888	9611990676	9611990676	9611990676
5	4	Nut	9611990360	9611990587	9611990587	9611990587
6	4	Leg				
7	4	Nut				
8	1	Leg bracket, left				
9	1	Leg bracket, right				
10	4	Washer				

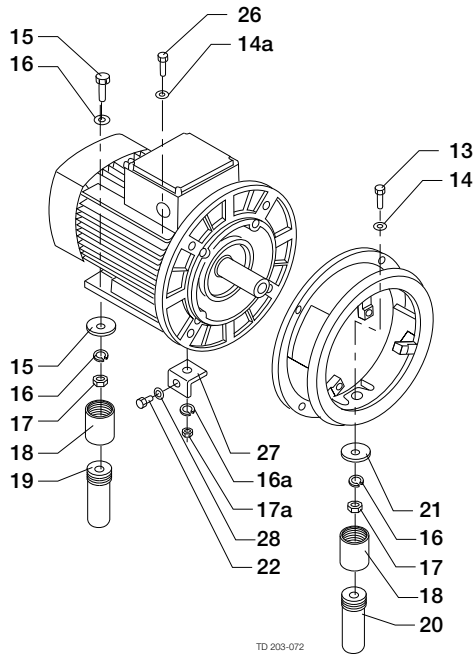
*Not manufactured anymore*



TD 203-071

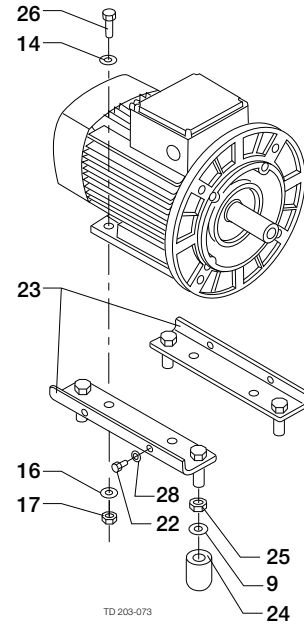
5.5 - 7.5 kW (period 8606- )  
11 - 18.5 kW (period 8701- )

Older legs



TD 203-072

22 kW (for both old and new legs)  
11 - 18.5 kW (period - 8701)



TD 203-073

11 - 18.5 kW (period - 8701)



Pos	Qty	Denomination	(Period 8606-)	(Period 8701-)	22 kW
			5.5-7.5 kW	11-18.5 kW	
<b>Legs</b>					
1	2	Screw	9611991834	9611991834	
2	5	Washer	9611990706	9611990706	
3a	2	Nut (period 9310-)	9611990587		
3	2	Stud bolt (period 9310-)			
	2	Screw, back (period -9310)			
4	4	Bracket (pump w/shroud)			
5	4	Screw (pump w/shroud)			
6*	5	Spring washer (pump w/shroud)			
7	5	Nut	9611990587	9611990587	
8	3	Nut	9611991829	9611991829	
9	3	Washer	3146001041	3146001041	
10	2	Back leg			
11	3	Leg		3146012481	
	1	Front leg			
12	1	Screw, front			
13	3	Screw			
14	3	Washer			9611990706
14a	2	Washer			9611990706
15	2	Washer			
16	3	Spring washer			9611990676
16a	2	Spring washer			9611990676
17	3	Nut			9611990587
17a	2	Nut			9611990587
18	3	Sleeve nut			
19	2	Back leg			
20	1	Front leg			
21	1	Washer			
22	4	Screw (pump w/shroud)			
26	2	Screw			9611991834
27	4	Bracket (pump w/shroud)			
28	4	Washer (pump w/shroud)	9611991831	9611991831	9611991831

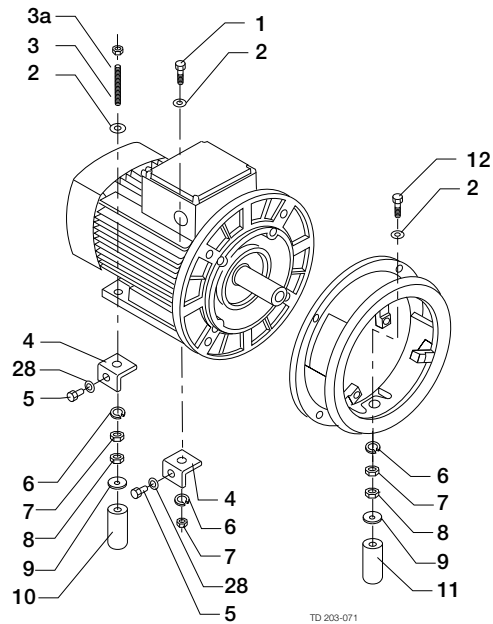
Pos	Qty	Denomination	(Period -8606)	(Period -8701)
			5.5-7.5 kW (4-legs)	11-18.5 kW (3-legs)
<b>Older legs</b>				
9	4	Washer		
13	4	Screw	9611991834	
	3	Screw		
14*	3(4)	Washer	9611990706	9611990706
15	2	Washer, back leg		
16*	3(4)	Spring washer	9611990676	9611990676
17*	3(4)	Nut	9611990587	9611990587
18	3	Sleeve nut		
19**	2	Back leg		
20**	1	Front leg		
21	1	Washer, front leg		
22	4	Screw (pump w/shroud)		
23	2	Leg bracket		
24	4	Leg		
25	4	Nut		
26*	2(4)	Screw (pump w/shroud)	9611991834	9611991834
27	4	Bracket (pump w/shroud)		
28	4	Washer (pump w/shroud)		9611991831

\* Number in brackets for 5.5-7.5 kW

\*\* Pos. 19 can be replaced by 9611922040, complete plast leg.

\*\* Pos. 20 can be replaced by 9611922041, complete plast leg.

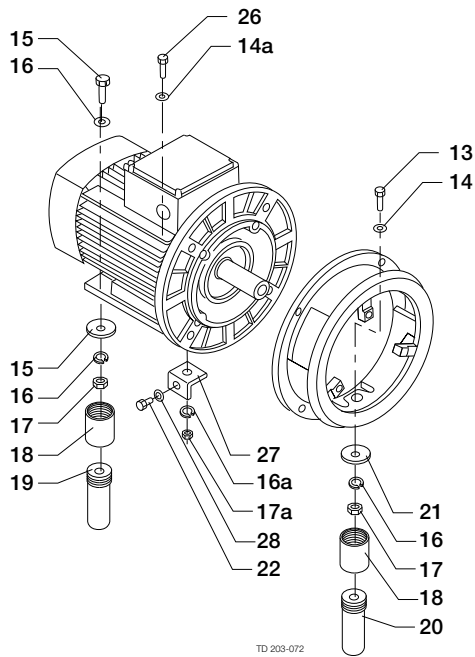
*Not manufactured anymore*



TD 203-071

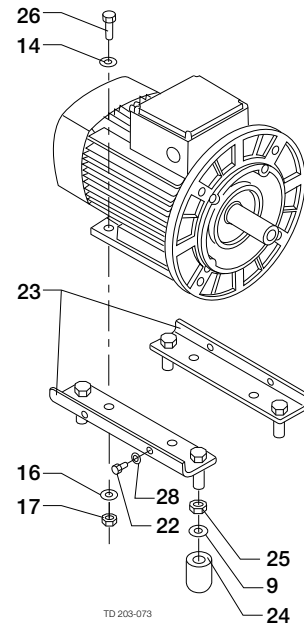
5.5 - 7.5 kW (period 8606- )  
11 - 18.5 kW (period 8701- )

Older legs



TD 203-072

22 kW (for both old and new legs)  
11 - 18.5 kW (period - 8701)



TD 203-073

11 - 18.5 kW (period - 8701)

Pos	Qty	Denomination	(Period 8606-)	(Period 8701- )	
			5.5-7.5	11-18.5 kW	
<b>Legs</b>					
1	2	Screw	9611991834	9611991834	
2	5	Washer	9611990706	9611990706	
3a	2	Nut (period 9310-)	9611990587		
3	2	Screw, back (period -9310)			
4	4	Bracket (pump w/shroud)			
5	4	Screw (pump w/shroud)			
6*	5	Spring washer (pump w/shroud)			
7	2	Nut	9611990587	9611990587	
8	6	Nut	9611991829	9611991829	
9	3	Washer	3146001041	3146001041	
10	2	Back leg			
11	3	Leg		3146012481	
	1	Front leg			
12	1	Screw, front			
13	3	Screw			
14	3	Washer			9611990706
14a	2	Washer			9611990706
15	2	Washer			
16	3	Spring washer			9611990676
16a	2	Spring washer			9611990676
17	3	Nut			9611990587
17a	2	Nut			9611990587
18	3	Sleeve nut			
19	2	Back leg			
20	1	Front leg			
21	1	Washer			
22	4	Screw (pump w/shroud)			
26	2	Screw			9611991834
27	4	Bracket (pump w/shroud)			
28	4	Washer (pump w/shroud)	9611991831	9611991831	9611991831

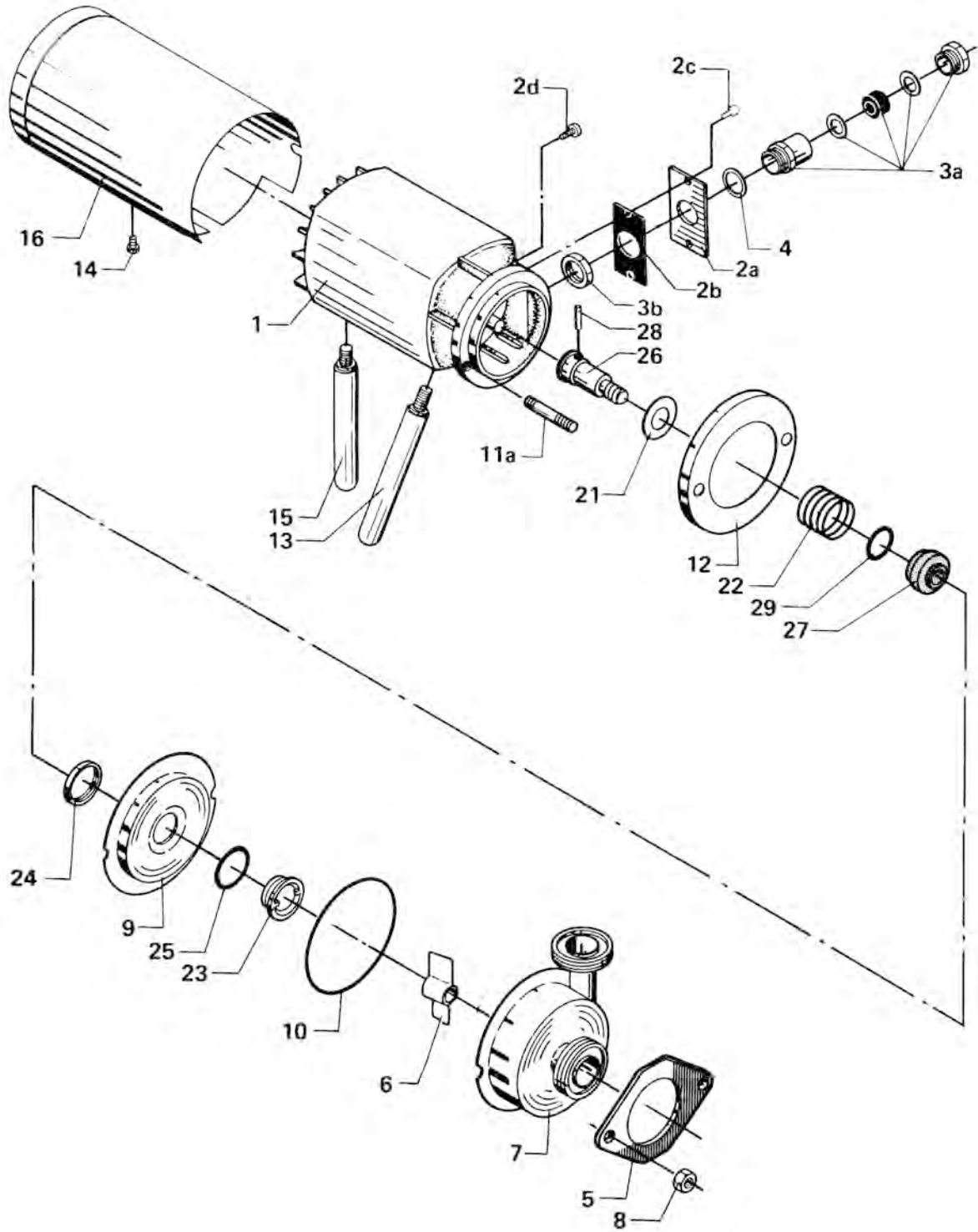
Pos	Qty	Denomination	(Period -8606)	(Period -8701)	
			5.5-7.5 kW	11-18.5 kW	
<b>Older legs</b>					
9	4	Washer			
13	4	Screw	9611991834		
	3	Screw			
14*	3(4)	Washer	9611990706	9611990706	
15	2	Washer, back leg			
16*	3(4)	Spring washer	9611990676	9611990676	
17*	3(4)	Nut	9611990587	9611990587	
18	3	Sleeve nut			
19**	2	Back leg			
20**	1	Front leg			
21	1	Washer, front leg			
22	4	Screw (pump w/shroud)			
23	2	Leg bracket			
24	4	Leg			
25	4	Nut			
26*	2(4)	Screw (pump w/shroud)	9611991834	9611991834	
27	4	Bracket (pump w/shroud)			
28	4	Washer (pump w/shroud)	9611991831	9611991831	

\* Number in brackets for 5.5-7.5 kW

\*\* Pos. 19 can be replaced by 9611922040, complete plast leg.

\*\* Pos. 20 can be replaced by 9611922041, complete plast leg.

*Not manufactured anymore*



Pos	Qty	Denomination	FM-0/95	FM-0/115
1	1	Motor, 1.1 kW, 220/380 V		
	1	Motor, 1.1 kW, 240/420 V		
2a	1	Cover		
2b	1	Packing		
2c	2	Screw		
2d	1	Setscrew for earth wire		
3a	1	Compression gland 18.6 mm		
3b	1	Lock nut		
4	1	Packing		
5	1	Yoke	3145700501	
6*	1	Impeller, diameter 95 mm (standard)	9612186802	
	1	Impeller, 4 bladed, diameter 95 mm	9612355001	
	1	Impeller, diameter 115 mm (standard)	9612186801	
	1	Impeller, 4 bladed, diameter 115 mm	9612354901	

**Pump casing with sanitary fittings 51 mm inlet and outlet**

7	1	ISO male	3145700381	
	1	SMS	3145700382	
	1	DIN	3145700383	
	1	ISO clamp	3145700384	
	1	BS	3145700385	
8	2	Nut	9611990587	
9	1	Back plate	3145600351	
10 □	1	O-ring, NBR (Standard)	22341275	
	1	O-ring, EPDM	223412175	
	1	O-ring, FPM	22341276	
	1	O-ring, PTFE	3145600601	
11a	2	Stud bolt	3145700511	
12	1	Cover plate		
13	2	Front leg		
14	2	Screw		
15	1	Back leg		
16	1	Shroud		
21	1	Thrower	3145700251	
24	1	Nut	3143701201	
26	1	Pump shaft	3145700151	
28	1	Tubular spring pin	22211927	

\* Sometimes reduced impeller diameter. Check the diameter of the original impeller.

Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
□		Shaft seal, complete	9612439201	9612439203	9612439204	9612439202
22	1	Spring				
23	1	Stationary seal ring SiC.				
25	1	Seal				
27	1	Rotating seal ring				
29	1	O-ring				

Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
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**Alternatives**

22	1	Shaft seal, complete	9612439205	9612439207	9612439208	9612439206
	1	Spring				
23	1	Stationary seal ring SiC.				
25	1	Seal				
27	1	Rotating seal ring SiC.				
29	1	O-ring				

**Service kit**

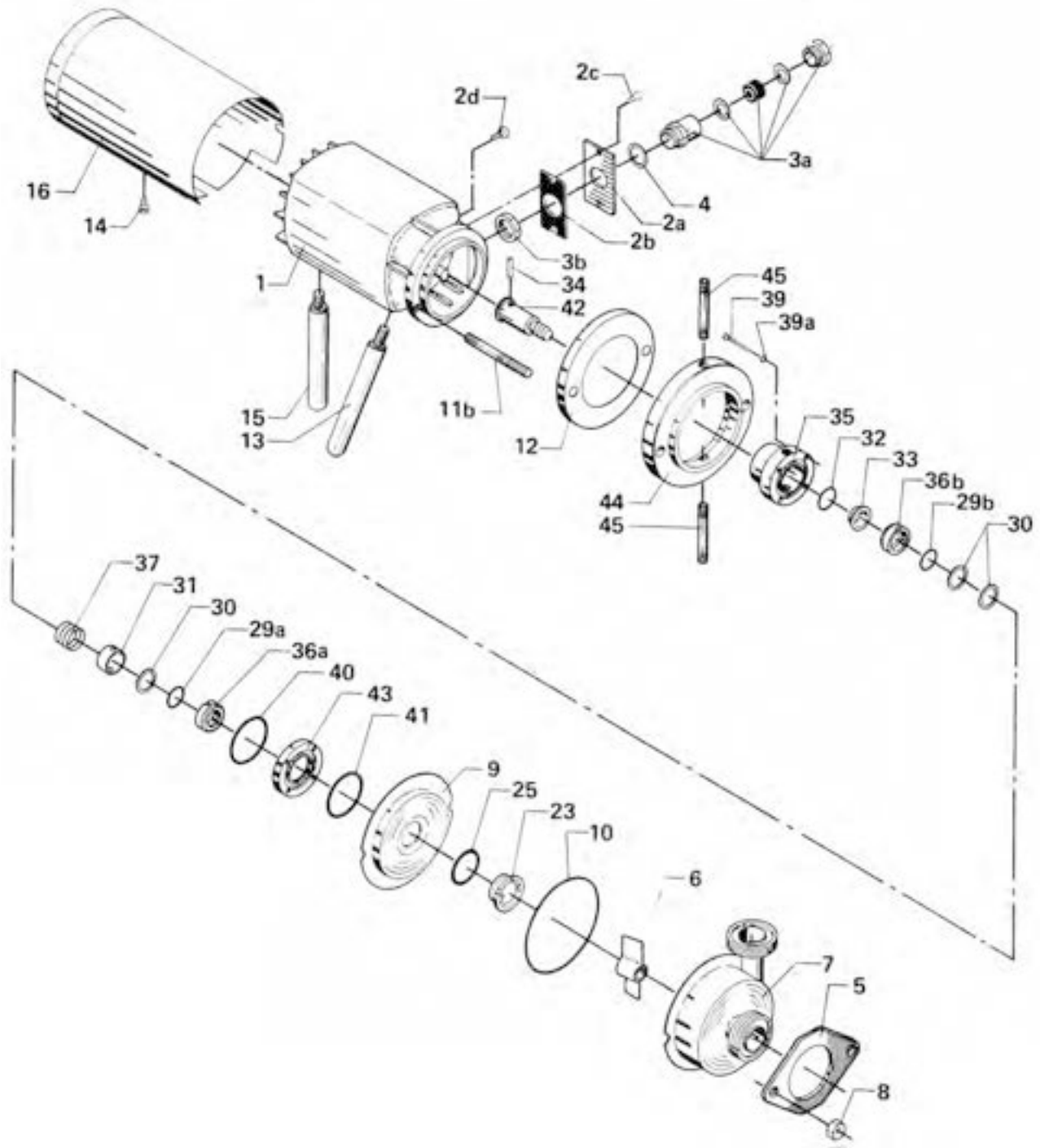
□		Service kit, NBR.	9611921050			
□		Service kit, EPDM.	9611921051			
□		Service kit, FPM.	9611921052			
□		Service kit, PTFE.	9611921053			

Parts marked with □ are included in the Service kits.

Recommended spare parts: Service kit.

900156/1

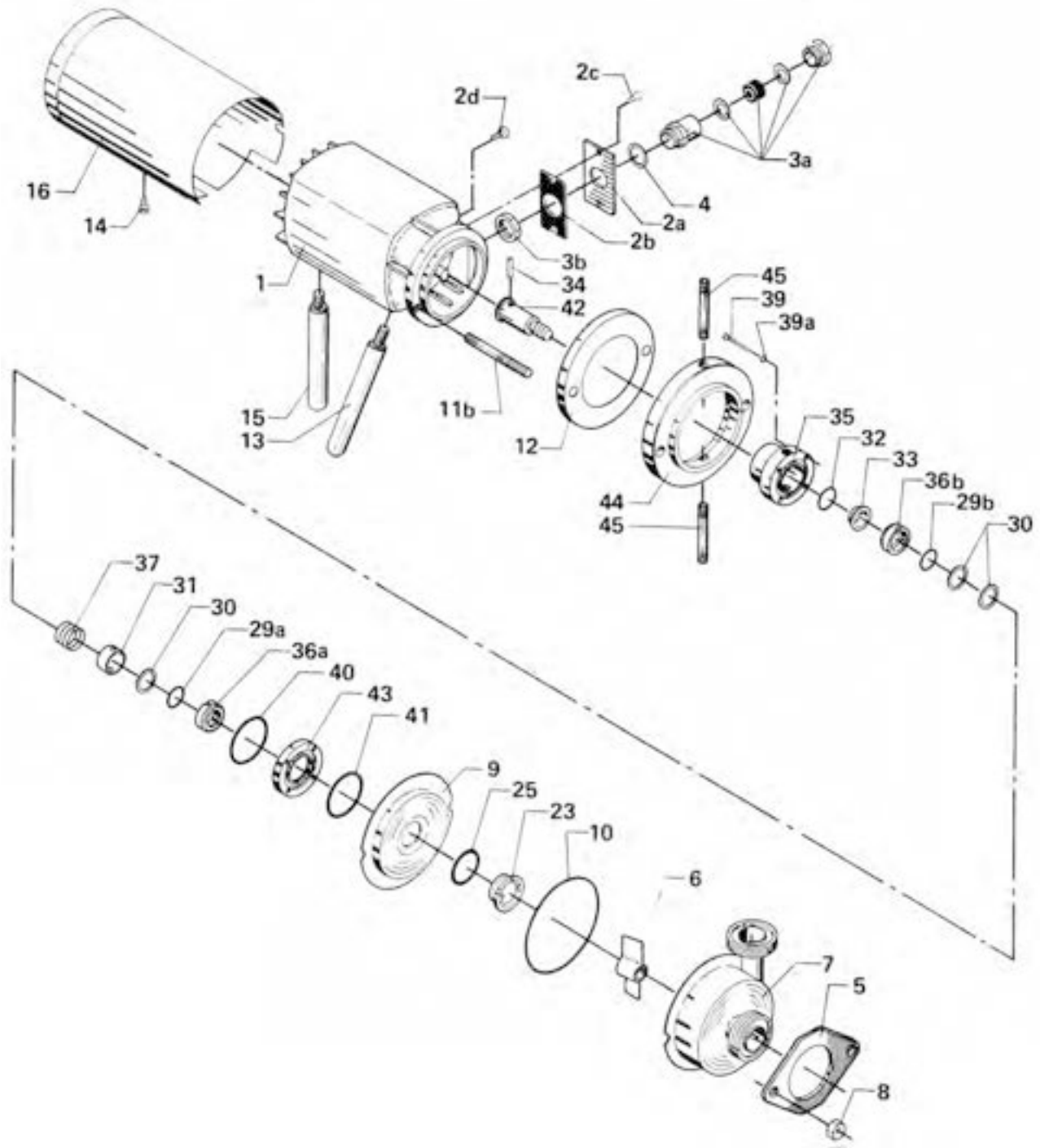
*Not manufactured anymore*



Pos	Qty	Denomination	FM-0/95	FM-0/115
1	1	Motor, 1.1 kW, 220/380 V		
	1	Motor, 1.1 kW, 240/420 V		
2a	1	Cover		
2b	1	Packing		
2c	2	Screw		
2d	1	Setscrew for earth wire		
3a	1	Compression gland 18.6 mm		
4	1	Packing		
5	1	Yoke	3145700501	
6*	1	Impeller, diameter 95 mm (standard)	9612186802	
	1	Impeller, 4 bladed, diameter 95 mm	9612355001	
	1	Impeller, diameter 115 mm (standard)	9612186801	
	1	Impeller, 4 bladed, diameter 115 mm	9612354901	
<b>Pump casing with sanitary fittings 51 mm inlet and outlet</b>				
7	1	ISO male	3145700381	
	1	SMS	3145700382	
	1	DIN	3145700383	
	1	ISO clamp	3145700384	
	1	BS	3145700385	
8	2	Nut	9611990587	
9	1	Back plate	3145600351	
10 □	1	O-ring, NBR (Standard)	22341275	
	1	O-ring, EPDM	223412175	
	1	O-ring, FPM	22341276	
	1	O-ring, PTFE	3145600601	
11b	2	Stud bolt	3145700512	
12	1	Cover plate	3145700131	
13	2	Front leg		
14	2	Screw		
15	1	Back leg		
16	1	Shroud		
34	1	Tubular spring pin	22211920	
35	1	Seal housing	3143901141	
39	4	Screw	9611990208	
39a	4	Washer	9611990800	
42	1	Pump shaft	3145700551	
43	1	Fastening ring	3143901131	
44	1	Intermediate flange	3145700541	
45	2	Flushing tube	9612358906	
46	1	Assembly mandrel (not shown)		

\* Sometimes reduced impeller diameter. Check the diameter of the original impeller.

*Not manufactured anymore*





Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
		□ Shaft seal, complete	9612439301	9612439303	9612439304	9612439302
23	1	Stationary seal ring SiC.				
25	1	Seal				
29a	1	O-ring, front				
29b	1	O-ring, back				
30	3	Washer				
31	1	Spacer				
32	1	O-ring				
33	1	Stationary seal ring				
36a+b	2	Rotating seal ring				
37	1	Spring				
40	1	O-ring				
41	1	O-ring				

Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
<b>Alternatives</b>						
		□ Shaft seal, complete	9612439305	9612439307	9612439308	9612439306
23	1	Stationary seal ring SiC.				
25	1	Seal				
29a	1	O-ring, front				
29b	1	O-ring, back				
30	3	Washer				
31	1	Spacer				
32	1	O-ring				
33	1	Stationary seal ring				
36a	1	Rotating seal ring SiC.				
36b	1	Rotating seal ring				
37	1	Spring				
40	1	O-ring				
41	1	O-ring				

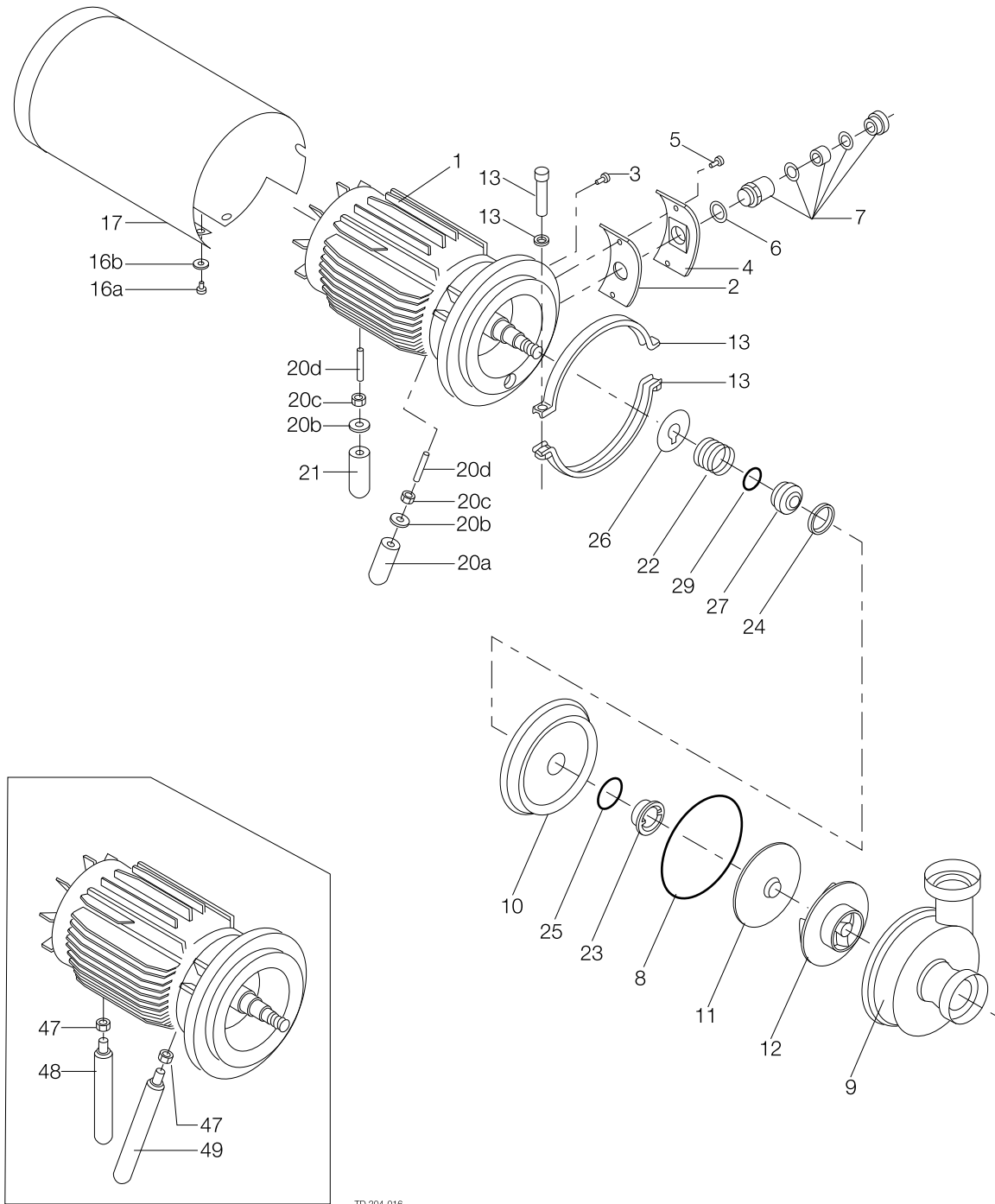
**Service kit**

□	<b>Service kit, NBR.</b>	9611921054
□	<b>Service kit, EPDM.</b>	9611921055
□	<b>Service kit, FPM.</b>	9611921056

Parts marked with □ are included in the Service kits.

Recommended spare parts: Service kit.

*Not manufactured anymore*



TD 204-016

Pos	Qty	Denomination	FM-1A/2A
2	1	Packing	3143900151
3	1	Set screw for earth wire	
4	1	Cover	
5	2	Screw	
6	1	Packing	
7	1	Compression gland, 22.5 mm	
10	1	Back plate	
11	1	Impeller cover	
13	1	Clamp set	
16a	4	Screw	
16b	4	Washer	9611991831
17	1	Shoud	
20a	2	Front leg	3146012481
20b	3	Washer	3146001041
20c	3	Nut	9611991829
20d	3	Stud bolt	
21	1	Back leg	
24	1	Nut	3143701201
26	1	Thrower	3143900371

**Accessories (delivered with every new pump)**

1	Spanner for impeller
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**Older legs (period -8608)**

47	3	Lock nut
48	1	Back leg
49	2	Front leg

Pos	Qty	Denomination	(Period From	(Period to	(Period From	(Period to
			8608)	8608)	8608)	8608)
			FM-1A	FM-1A	FM-2A	FM-2A
			3 kW	3 kW	4 kW	4 kW

**Other parts**

1	1	Motor 220/380 V
	1	Motor 230-260/400-440 V
	1	Motor 380/660 V

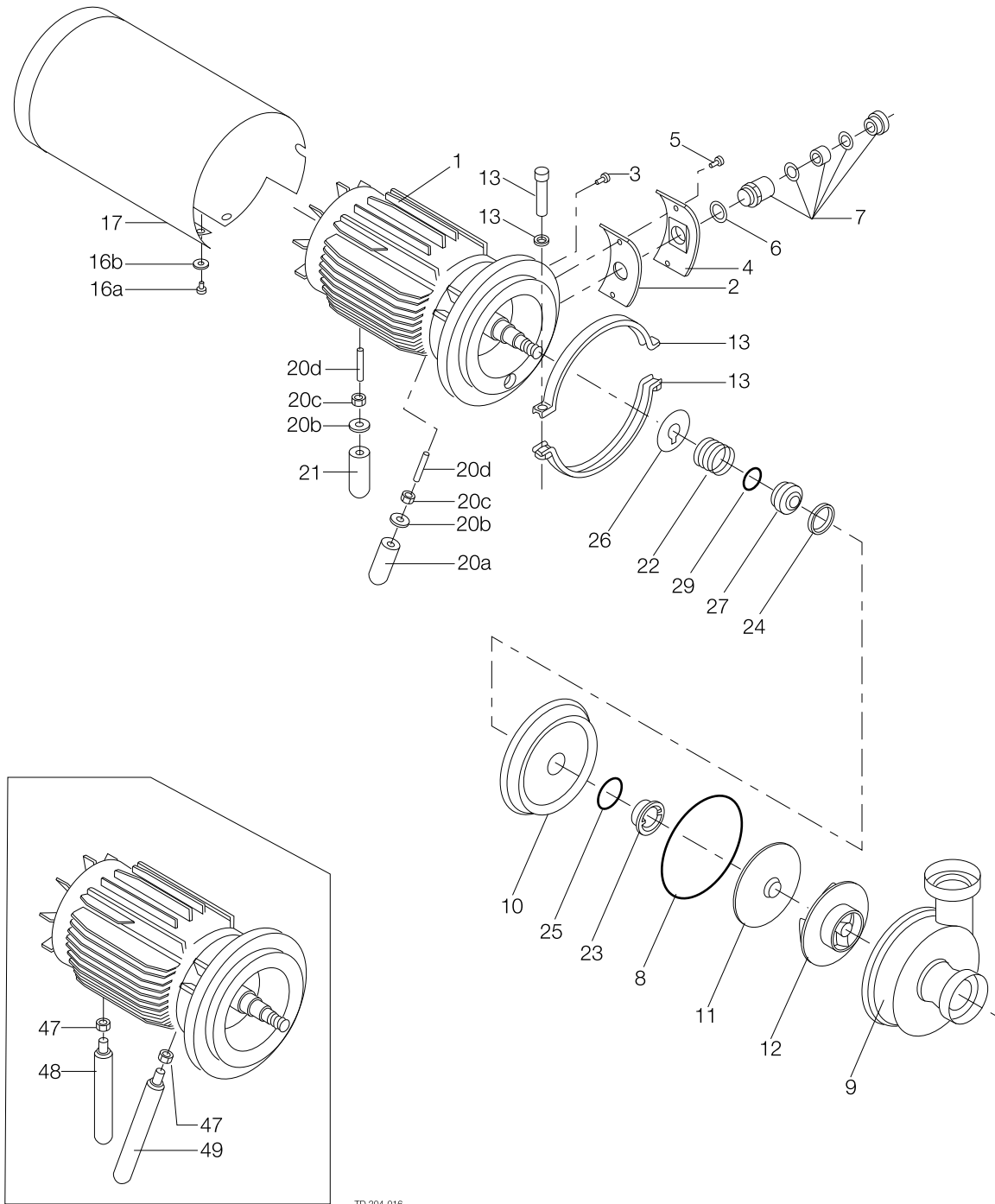
Pos	Qty	Denomination	FM-1A	FM-2A
1	1	Fan		
	1	Rotor with shaft		
8	□	O-ring, NBR (Standard)	3143901121	3145500081
	1	O-ring, EPDM	3143901124	3145500084
	1	O-ring, FPM		
	1	O-ring, PTFE		

**Pump casing with sanitary fittings. FM-1A, 51 mm inlet and outlet. FM-2A, 63.5 mm inlet and outlet**

9	1	Pump casing, ISO male
	1	Pump casing, SMS
	1	Pump casing, DIN
	1	Pump casing, ISO clamp
	1	Pump casing, BS
12*	1	Impeller (ø165)

\* Sometimes reduced impeller diameter. Check the diameter of the original impeller.

*Not manufactured anymore*

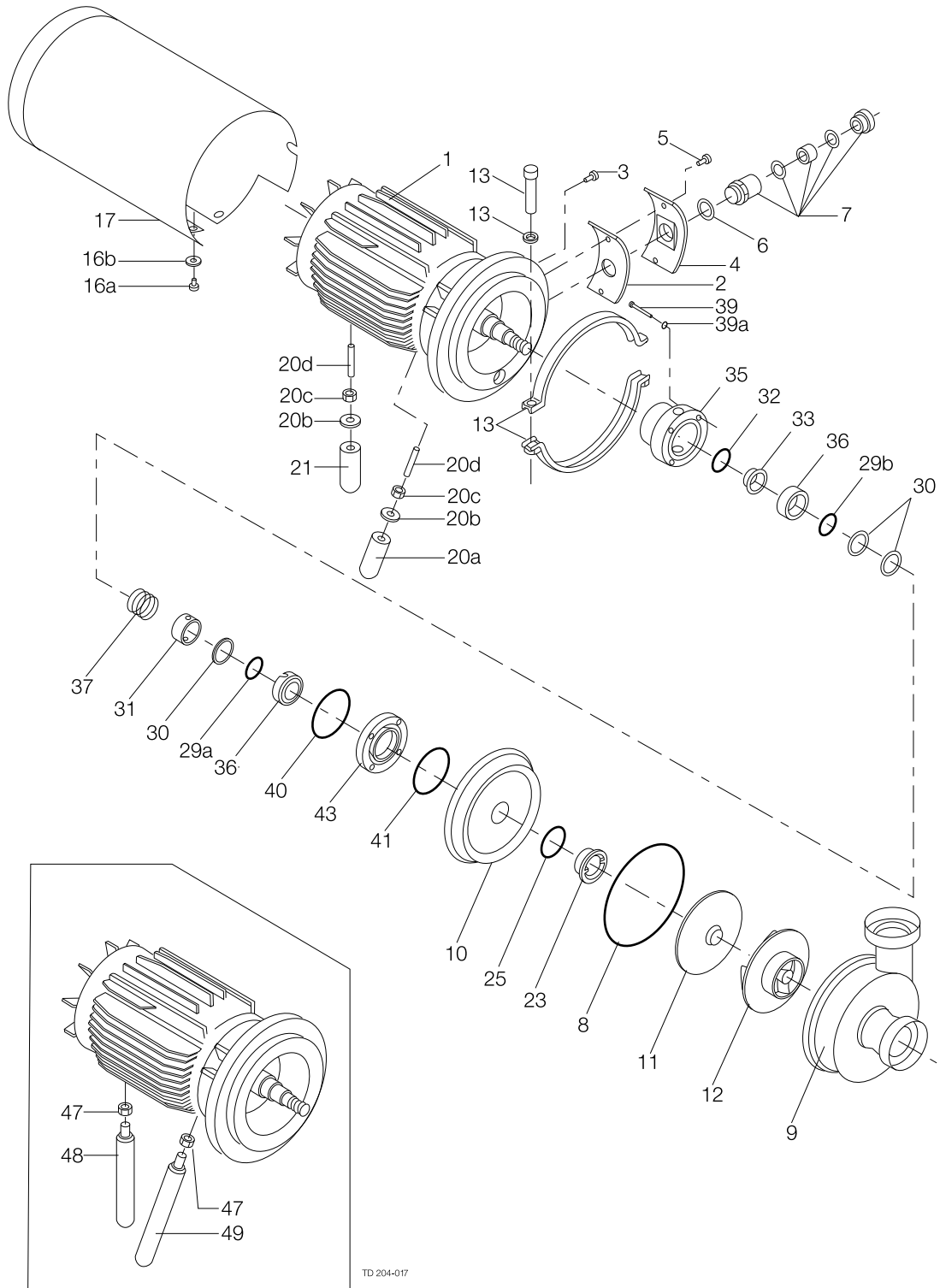


TD 204-016

Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
<b>Shaft Seals</b>						
	□	Shaft seal, complete	9612439201	9612439203	9612439204	9612439202
22	1	Spring				
23	1	Stationary seal ring SiC.				
25	1	Seal				
27	1	Rotating seal ring				
29	1	O-ring				
<b>Alternatives</b>						
		Shaft seal, complete	9612439205	9612439207	9612439208	9612439206
22	1	Spring				
23	1	Stationary seal ring SiC.				
25	1	Seal				
27	1	Rotating seal ring SiC.				
29	1	O-ring				
			<b>FM-1A</b>	<b>FM-2A</b>		
	□	<b>Service kit, NBR.</b>	9611921058	9611921062		
	□	<b>Service kit, EPDM.</b>	9611921059	9611921063		

Parts marked with □ are included in the Service kits.

*Not manufactured anymore*



TD 204-017

Pos	Qty	Denomination	FM-1A/FM-2A
2	1	Packing	3143900151
3	1	Set screw for earth wire	
4	1	Cover	
5	2	Screw	
6	1	Packing	
7	1	Compression gland, 22.5 mm	
10	1	Back plate	
11	1	Impeller cover	3143900991
13	1	Clamp set	
16a	4	Screw	
16b	4	Washer	9611991831
17	1	Shoud	
20a	2	Front leg	3146012481
20b	3	Washer	3146001041
20c	3	Nut	9611991829
20d	3	Stud bolt	
21	1	Back leg	
35	1	Seal housing	3143901141
39	4	Screw	9611990208
39a	4	Washer	9611990800
43	1	Fastening ring	3143901131
45a	2	Flushing tube	
45b	2	Fitting	
46	1	Assembly mandrel (not shown)	

**Older legs (period -8608)**

47	3	Lock nut	
	1	Back leg	
48	2	Front leg	

**Accessorisise (delivered with every new pump)**

1	1	Spanner for impeller	
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Pos	Qty	Denomination	(Period From	(Period to	(Period From	(Period to
			8608)	8608)	8608)	8608)
			FM-1A	FM-1A	FM-2A	FM-2A
			3 kW	3 kW	4 kW	4 kW
1	1	Motor, 220/380 V				
	1	Motor, 230-260/400-440 V				
	1	Motor, 380/660 V				

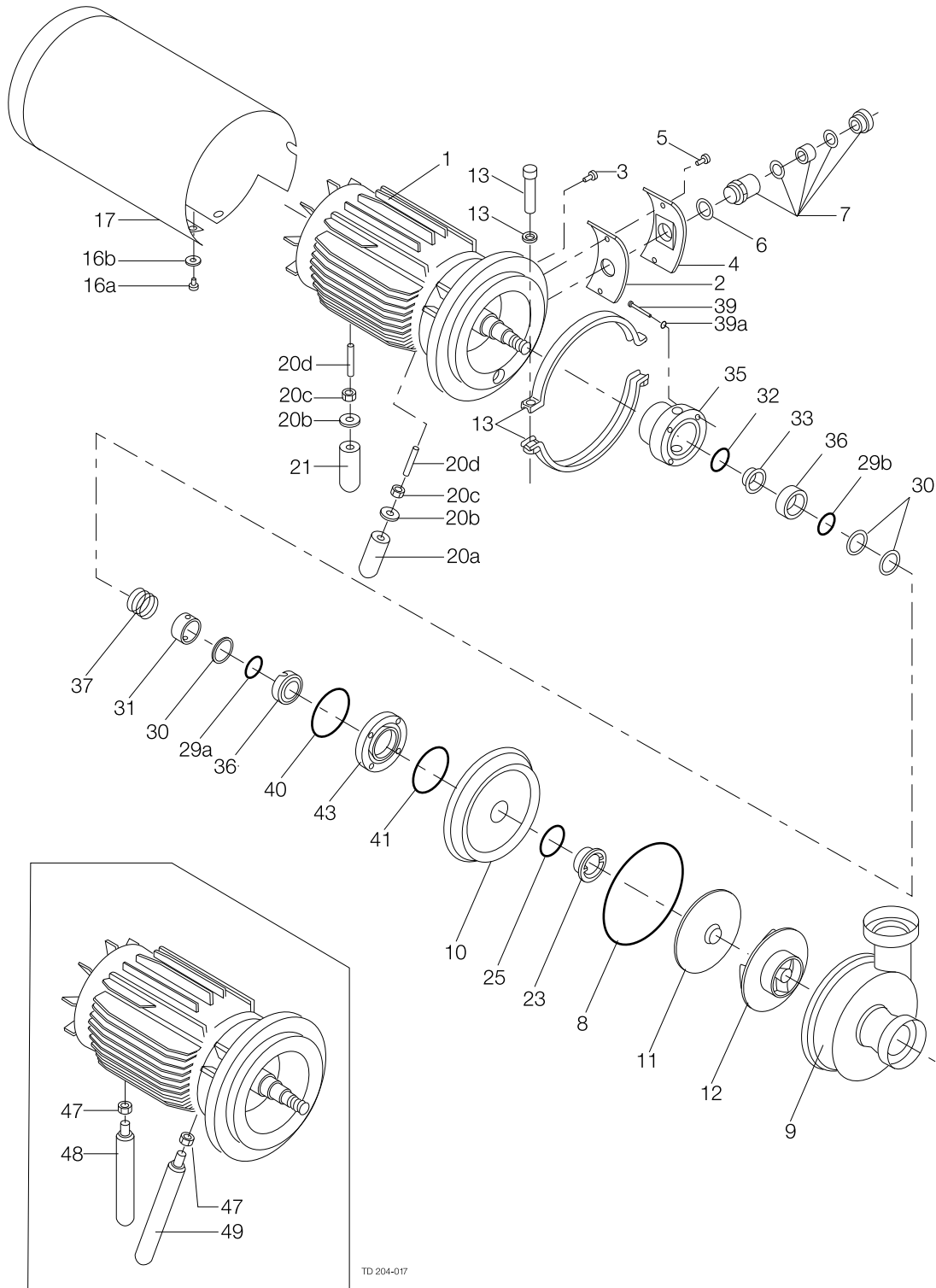
Pos	Qty	Denomination	FM-1A	FM-2A
1	1	Fan		
	1	Rotor with shaft		
8	□	O-ring, NBR (Standard)	3143901121	3145500081
	1	O-ring, EPDM	3143901124	3145500084
	1	O-ring, FPM		
	1	O-ring, PTFE		

**Pump casing with sanitary fittings. FM-1A, 51 mm inlet and outlet. FM-2A, 63.5 mm inlet and outlet**

9	1	Pump casing, ISO male		
	1	Pump casing, SMS		
	1	Pump casing, DIN		
	1	Pump casing, ISO clamp		
	1	Pump casing, BS		
12*	1	Impeller, (ø165)		

\* Sometimes reduced impeller diameter. Check the diameter of the original impeller

*Not manufactured anymore*

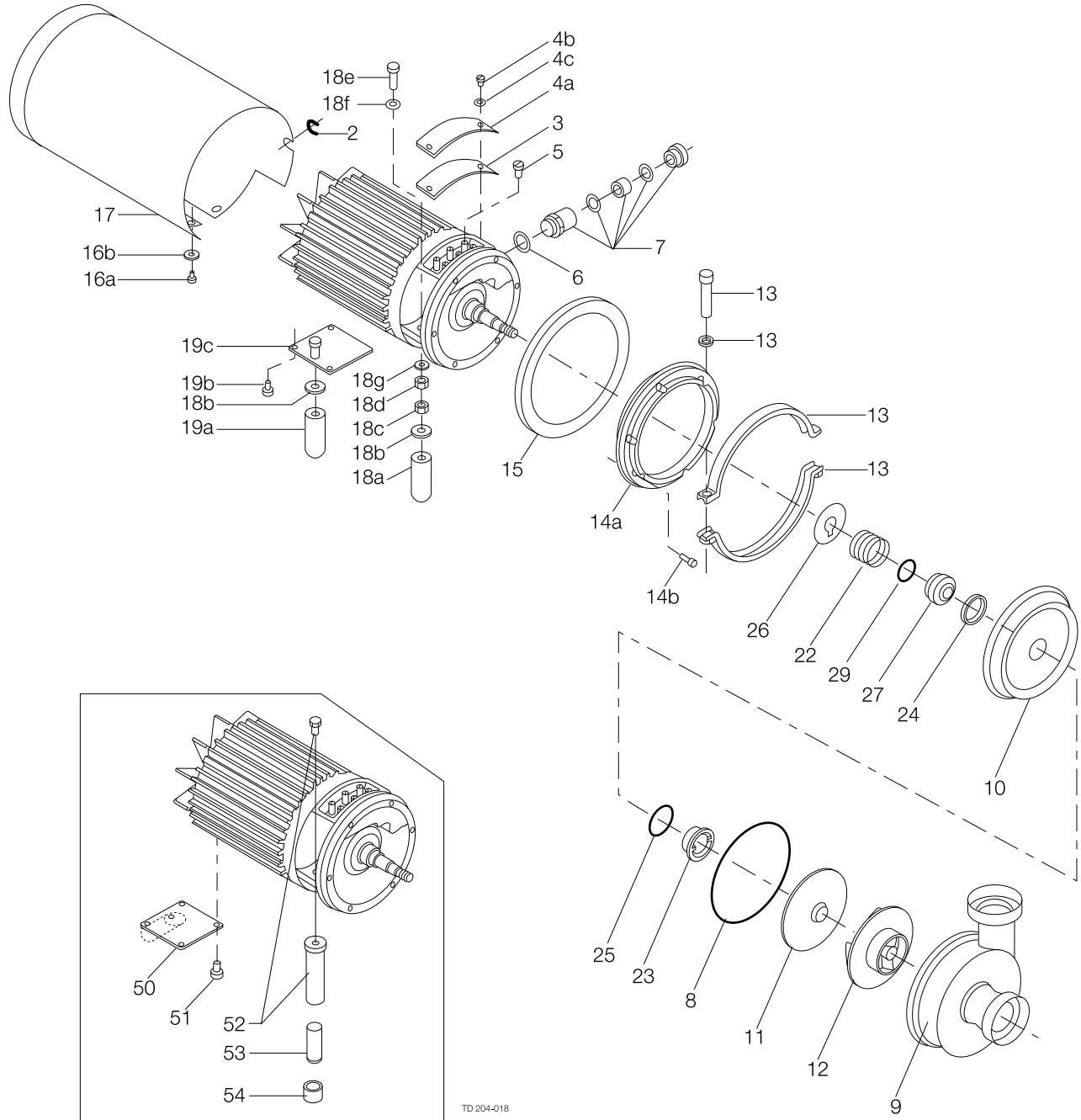


TD 204-017



Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
<b>Shaft Seal</b>						
	□	Shaft seal, complete, .....	9612439301	9612439303	9612439304	9612439302
23	1	Stationary seal ring SiC. ....				
25	1	Seal .....				
29a	1	O-ring, front .....				
29b	1	O-ring, back .....				
30	3	Washer .....				
31	1	Spacer .....				
32	1	O-ring .....				
33	1	Stationary seal ring .....				
36	2	Rotating seal ring .....				
37	1	Spring .....				
40	1	O-ring .....				
41	1	O-ring .....				
<b>Alternatives</b>						
		Shaft seal, complete, .....	9612439305	9612439307	9612439308	9612439306
23	1	Stationary seal ring SiC. ....				
25	1	Seal .....				
29a	1	O-ring, front .....				
29b	1	O-ring, back .....				
30	3	Washer .....				
31	1	Spacer .....				
32	1	O-ring .....				
33	1	Stationary seal ring .....				
36a	1	Rotating seal ring SiC. ....				
36b	1	Rotating seal ring .....				
37	1	Spring .....				
40	1	O-ring .....				
41	1	O-ring .....				
			<b>FM-1A</b>	<b>FM-2A</b>		
	□	<b>Service kit, NBR. ....</b>	<b>9611921066</b>	<b>9611921070</b>		
	□	<b>Service kit, EPDM. ....</b>	<b>9611921067</b>	<b>9611921071</b>		

*Not manufactured anymore*



Pos	Qty	Denomination	FM-3A/4A
1	1	Motor, 7.5 kW 220/380 V	
	1	Motor, 7.5 kW 230-260/400-440 V	
	1	Motor, 7.5 kW 380/660 V	
	1	Fan	
	1	Rotor with shaft	
2	1	Cable protection	
3	1	Packing	
4a	1	Cover	
4b	2	Screw	
4c	2	Washer	9611990752
5	1	Set screw for earth cable	
6	1	Packing	
7	1	Compression gland, 22.5 mm	
8 □	1	O-ring, NBR (Standard)	3143901121
	1	O-ring, EPDM	3143901124
	1	O-ring, FPM	
	1	O-ring, PTFE	
<b>Pump casing with sanitary fittings. 76 mm inlet and outlet</b>			
9	1	Pump casing, ISO male	
	1	Pump casing, SMS	
	1	Pump casing, DIN	
	1	Pump casing, ISO clamp	
	1	Pump casing, BS	
10	1	Back plate	
13	1	Clamp set	
14a	1	Flange	
15	1	Lining	
16a	2	Screw	
16b	2	Washer	9611991831
17	1	Shroud	
18a	2	Front leg	
18b	3	Washer	3146001041
18c	2	Nut	9611991829
18d	2	Nut	9611991829
18e	2	Screw	
18f	2	Washer	9611990706
18g	2	Spring washer	9611990676
19a	1	Back leg	
19b	4	Screw	
19c	1	Bracket for leg	
24	1	Nut	3143701201
26	1	Thrower	3143900371

**Accessories (delivered with every new pump)**

1	Spanner for impeller
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**Older legs (period -8608)**

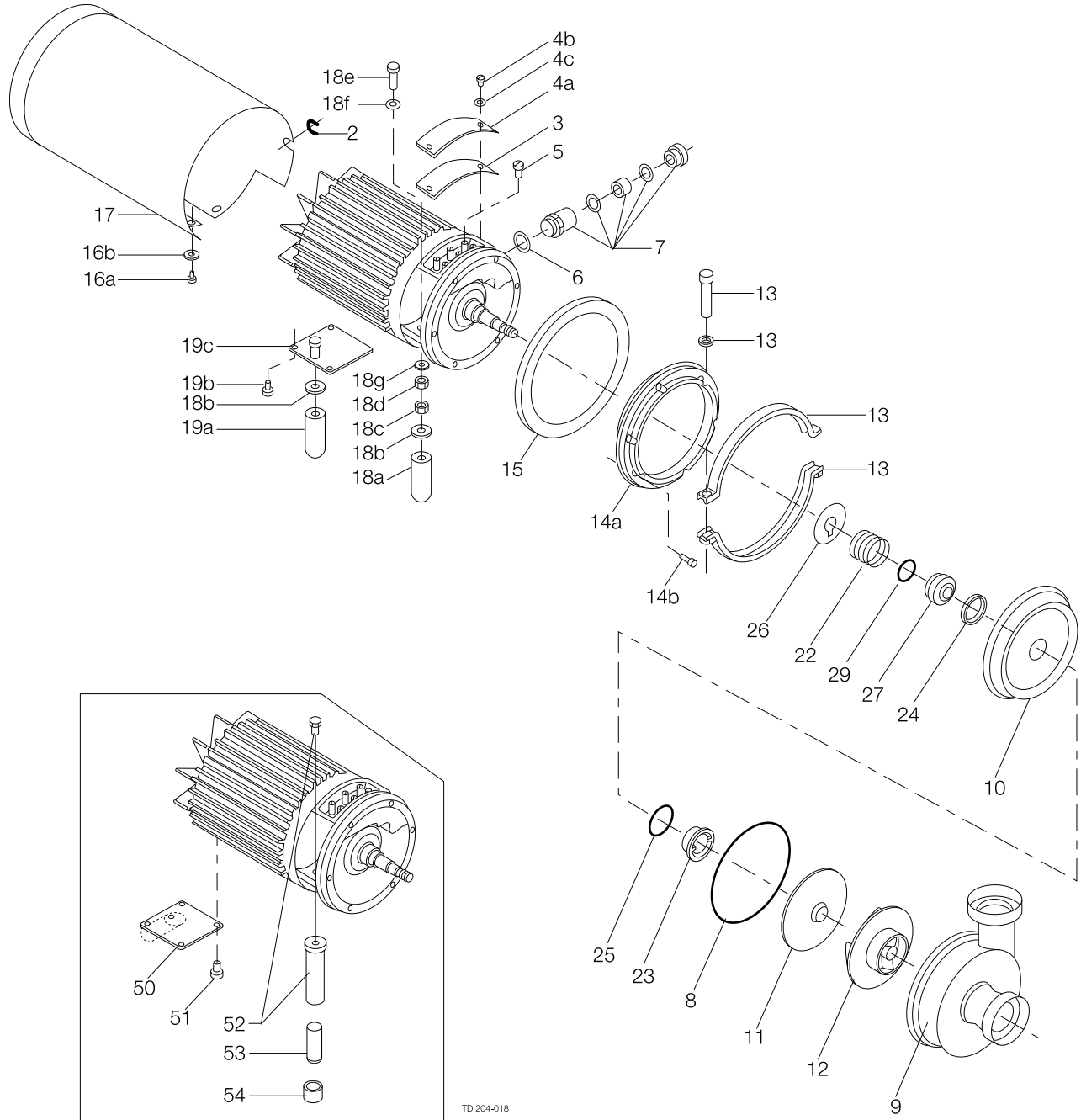
50*	1	Back leg
51	4	Screw
52**	2	Front leg
53**	2	Adjustable leg
54	2	Lock nut

\* Can be replaced by 9611921002, complete plast leg.

\*\* Can be replaced by 9611921003, complete plast leg.

Pos	Qty	Denomination	FM-3A	FM-4A
11	1	Impeller cover	3143900991	
12*	1	Impeller, (ø210)		
	1	Impeller, (ø185)		
	1	Impeller, (ø165)		
	1	Impeller, (ø145)		

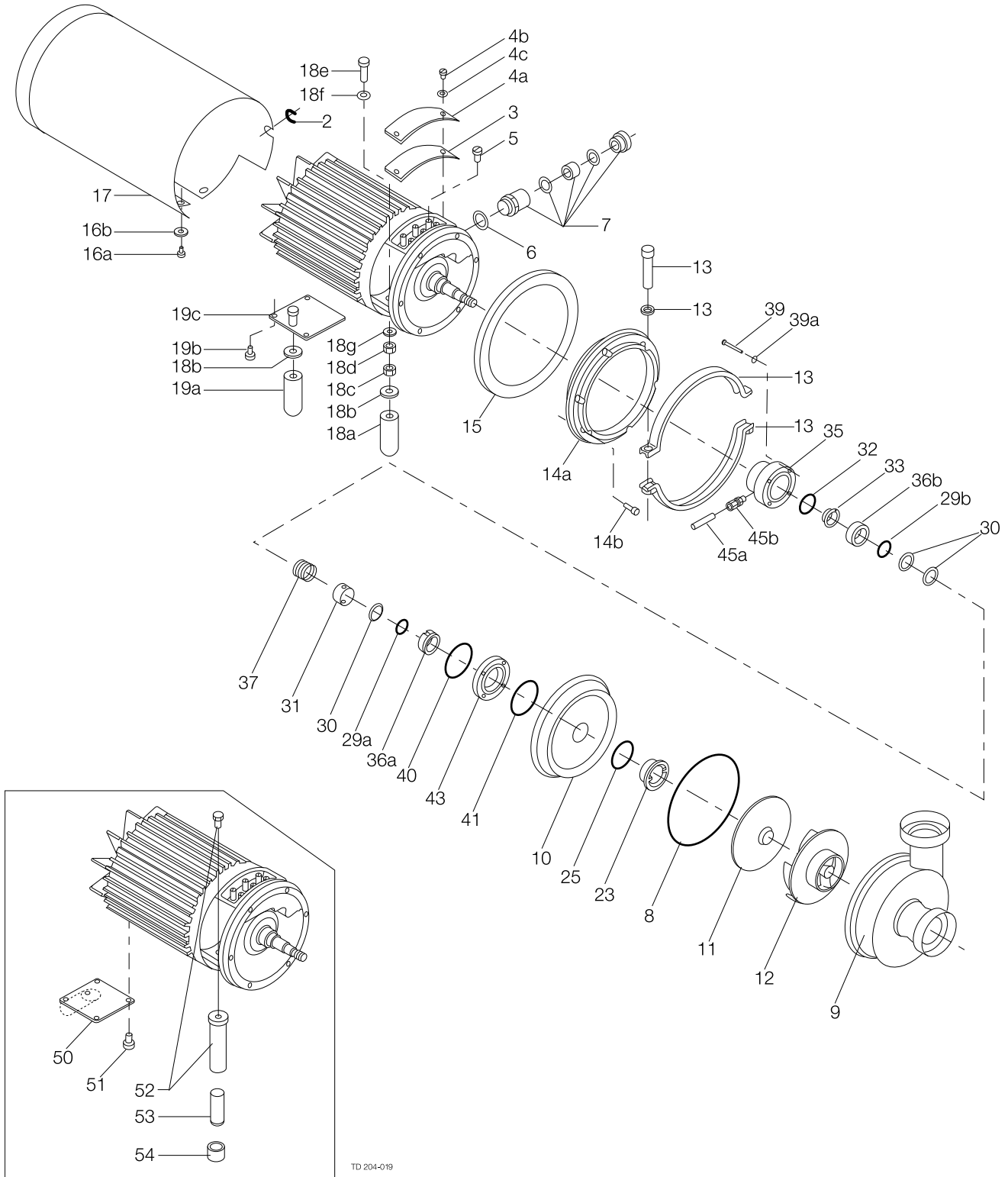
*Not manufactured anymore*



Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
<b>Shaft Seal</b>						
	□	Shaft seal, complete	9612439201	9612439203	9612439204	9612439202
22	1	Spring				
23	1	Stationary seal ring SiC.				
25	1	Seal				
27	1	Rotating seal ring				
29	1	O-ring				
<b>Alternatives</b>						
		Shaft seal, complete	9612439205	9612439207	9612439208	9612439206
22	1	Spring				
23	1	Stationary seal ring SiC.				
25	1	Seal				
27	1	Rotating seal ring SiC.				
29	1	O-ring				
<b>FM-3A/4A</b>						
	□	<b>Service kit, NBR.</b>	<b>9611921058</b>			
	□	<b>Service kit, EPDM.</b>	<b>9611921059</b>			

Parts marked with □ are included in the Service kits.

*Not manufactured anymore*



Pos	Qty	Denomination	FM-3A/4A
	1	Motor, 7.5 kW 230-260/400-440 V	
	1	Motor, 7.5 kW 380/660 V	
	1	Fan	
	1	Rotor with shaft	
2	1	Cable protection	
3	1	Packing	
4a	1	Cover	
4b	2	Screw	
4c	2	Washer	9611990752
5	1	Set screw for earth cable	
6	1	Packing	
7	1	Compression gland, 22.5 mm	
8	□ 1	O-ring, NBR (Standard)	3143901121
	1	O-ring, EPDM	3143901124
	1	O-ring, FPM	
	1	O-ring, PTFE	

**Pump casing with sanitary fittings. 76 mm inlet and outlet**

9	1	Pump casing, ISO male	
	1	Pump casing, SMS	
	1	Pump casing, DIN	
	1	Pump casing, ISO clamp	
	1	Pump casing, BS	
10	1	Back plate	
13	1	Clamp set	
14a	1	Flange	
14b	6	Screw	
15	1	Lining	
16a	2	Screw	
16b	2	Washer	9611991831
17	1	Shroud	
18a	2	Front leg	
18b	3	Washer	3146001041
18c	2	Nut	9611991829
18d	2	Nut	9611991829
18e	2	Screw	
18f	2	Washer	9611990706
18g	2	Spring washer	9611990676
19a	1	Back leg	
19b	4	Screw	
19c	1	Bracket for leg	
35	1	Seal housing	3143901141
39	4	Screw	9611990208
39a	4	Washer	9611990800
43	1	Fastening ring	3143901131
45a	2	Flushing tube	
45b	2	Fitting	
46	1	Assembly mandrel (not shown)	

**Older legs (period -8608)**

50*	1	Back leg	
51	4	Screw	
52**	2	Front leg	
53**	2	Adjustable leg	
54	2	Lock nut	

\* Can be replaced by 9611921002, complete plast leg.

\*\* Can be replaced by 9611921003, complete plast leg.

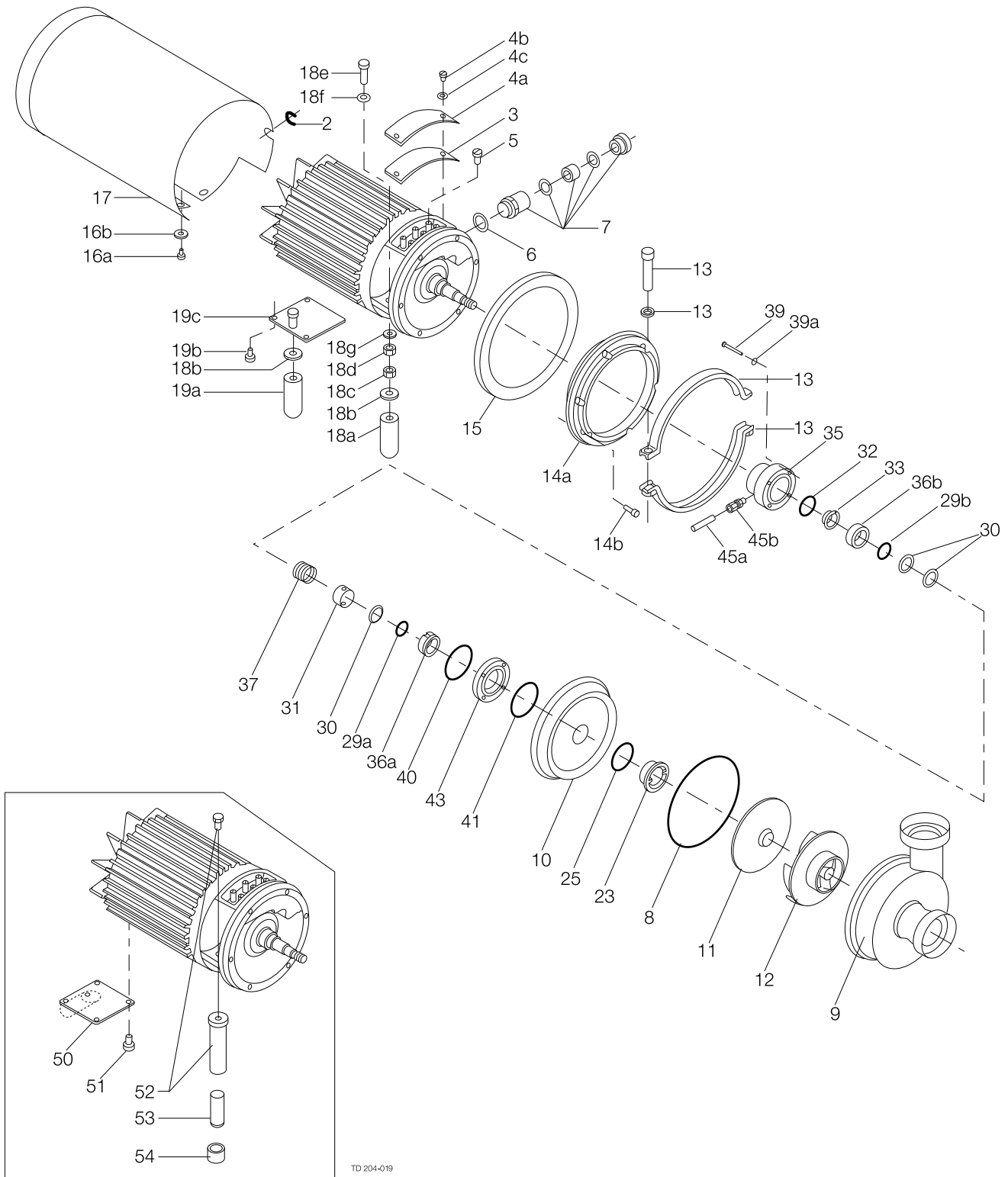
**Accessories (delivered with every new pump)**

	1	Spanner for impeller	
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Pos	Qty	Denomination	FM-3A	FM-4A
<b>Other parts</b>				
11	1	Impeller cover	3143900991	
12*	1	Impeller, (ø210)		
	1	Impeller, (ø185)		
	1	Impeller, (ø165)		
	1	Impeller, (ø145)		

\* Sometimes reduced impeller diameter. Check the diameter of the original impeller.

*Not manufactured anymore*

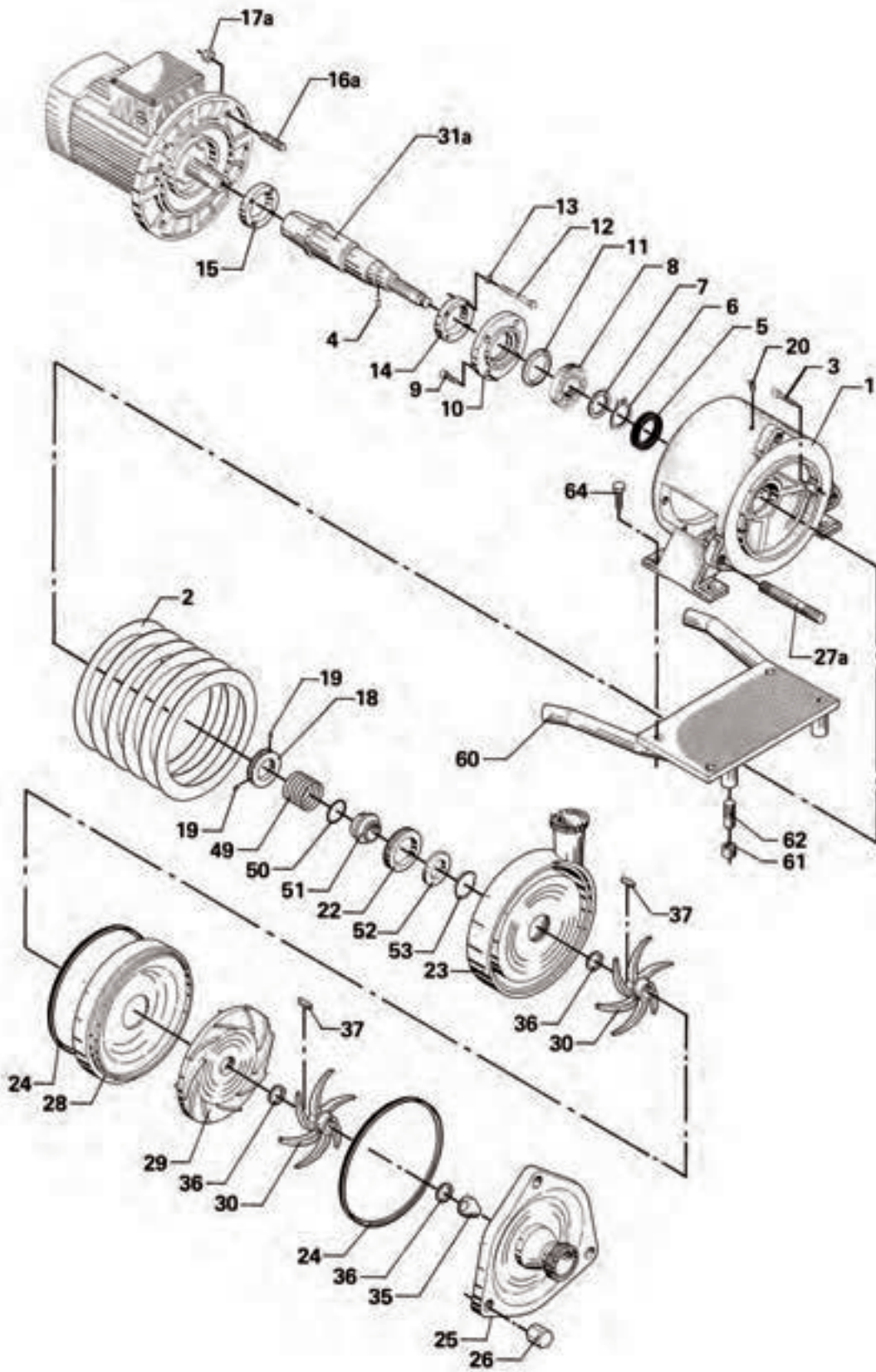




Pos	Qty	Denomination	NBR (Standard)	EPDM	FPM	PTFE
<b>Shaft Seals</b>						
	□	Shaft seal, complete	9612439301	9612439303	9612439304	9612439302
23	1	Stationary seal ring SiC.				
25	1	Seal				
29a	1	O-ring, front				
29b	1	O-ring, back				
30	3	Washer				
31	1	Spacer				
32	1	O-ring				
33	1	Stationary seal ring				
36a+b	2	Rotating seal ring				
37	1	Spring				
40	1	O-ring				
41	1	O-ring				
<b>Alternatives</b>						
	□	Shaft seal, complete	9612439301	9612439303	9612439304	9612439302
23	1	Stationary seal ring SiC.				
25	1	Seal				
29a	1	O-ring, front				
29b	1	O-ring, back				
30	3	Washer				
31	1	Spacer				
32	1	O-ring				
33	1	Stationary seal ring				
36a	1	Rotating seal ring SiC.				
36b	1	Rotating seal ring				
37	1	Spring				
40	1	O-ring				
41	1	O-ring				
<hr/>						
□		<b>Service kits, NBR.</b>	<b>9611921066</b>			
□		<b>Service kits, EPDM.</b>	<b>9611921067</b>			

Parts marked with □ are included in the service kits.  
 Recommended spare parts: Service kits.

*Not manufactured anymore*



Pos	Qty	Denomination
	1	Motor, M2AA 7.5 kW, 220-240/380-420 V
	1	Motor, *MBT 7.5 kW, 220-240/380-420 V
	1	Motor, M2AA 7.5 kW, 380-420/420 V
	1	Motor, *MBT 7.5 kW, 380-420/420 V
1	1	Frame
2	1	Spacer
3	1	Screw
4	1	Cylindrical pin
5	□ 2	Sealing ring
6	□ 1	Snap ring
7	1	Ring
8	1	Ball bearing
9	3	Screw
10	1	Bearing cover
11	□ 1	Felt strip
12	4	Screw
13	4	Lock washer
14	1	Ring
15	1	Ring
16a	4	Stud bolt
17a	4	Nut
18	1	Thrower
19	2	Set screw
20	1	Lubricant nipple
22	1	Lock washer

**Pump casing with sanitary fittings. Connections 51 mm**

23	1	Pump casing, ISO male
	1	Pump casing, SMS
	1	Pump casing, DIN
	1	Pump casing, ISO clamp
	1	Pump casing, BS
24	□ 2	Joint ring, NBR

**Casing cover with sanitary fittings. Connections 76 mm**

25	1	Casing cover, ISO male
	1	Casing cover, SMS
	1	Casing cover, DIN
	1	Casing cover, ISO clamp
	1	Casing cover, BS
26	3	Casing cover, Nut
27a	3	Stud bolt
28	1	Intermediate part
29	1	Guide vanes
30**	2	Impeller, ø200 mm (Standard)
30	2	Impeller, ø 220 mm
31a	1	Shaft for motor shaft, ø38 mm (7.5 kW)
35	1	Nut
36	□ 3	Sealing washer
37	□ 2	Key
60	1	Foot stand
61	4	Lock nut
62	4	Adjustable foot
64	4	Screw

3143700741  
221094716

**Single Shaft Seal**

□		Shaft seal complete,, EPDM (Standard)
49	1	Spring
50	1	O-ring, EPDM
51	1	Rotating seal ring
52	1	Stationary seal ring
53	1	Packing, EPDM

**Single Shaft Seal**

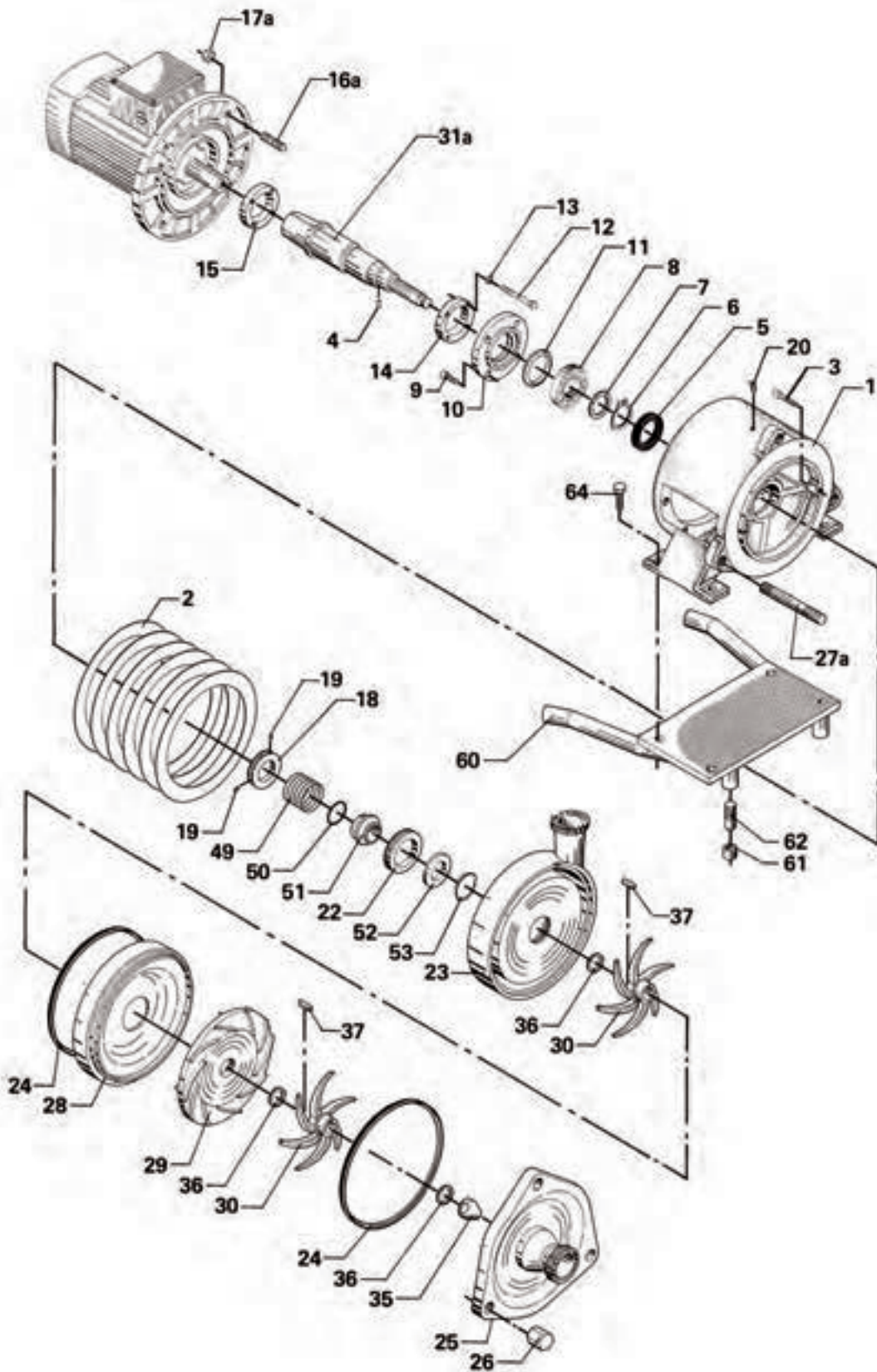
□		Shaft seal complete, NBR
49	1	Spring
50	1	O-ring, NBR
51	1	Rotating seal ring
52	1	Stationary seal ring
53	1	Packing, NBR

**Alternative Seal Rings for abrasive liquids**

52	1	Stationary seal ring with silicone carbide
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\* MBT motor (period -9310) not available anymore.  
\*\* Sometimes reduced impeller dia. Check the dia. of original impeller.

*Not manufactured anymore*



Pos	Qty	Denomination
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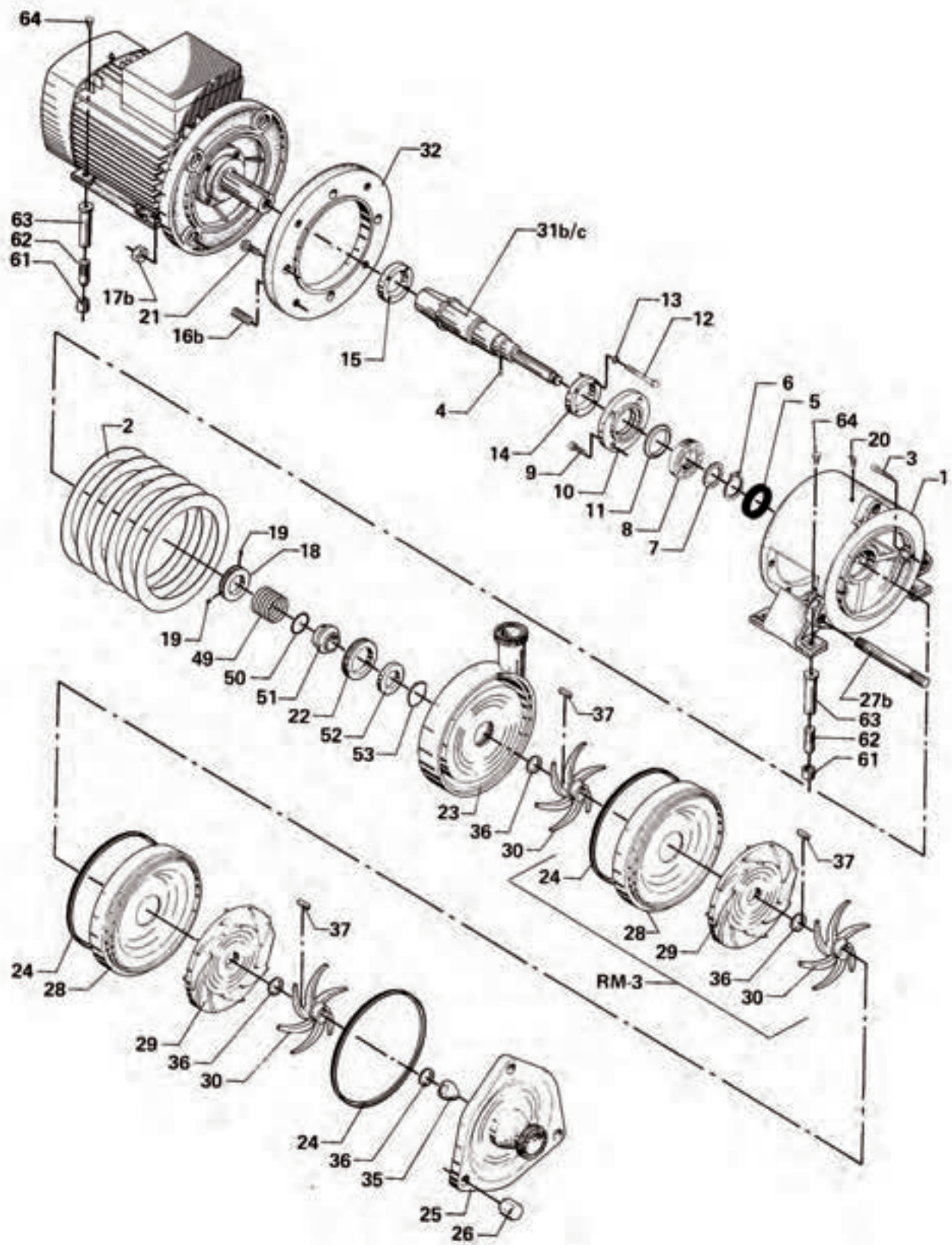
**Tools**

- 1 Key for hex. socket screw . . . . .
- 1 Spanner for seal . . . . .
- 1 Spanner for impeller . . . . .

Parts marked with □ are included in the Service kits.

Recommended spare parts: Service kits.

*Not manufactured anymore*



Pos	Qty	Denomination	RM-2/RM-3
	1	Motor, 11 kW, 220-240/380-420 V	
	1	Motor, 11 kW, 380/660 V 380-420/660 V	
	1	Motor, 15 kW, 220-240/380-420 V	
	1	Motor, 15 kW, 380-420/660 V	
	1	Motor, 18.5 kW, 220-240/380-420 V	
	1	Motor, 18.5 kW, 380-420/660 V	
1	1	Frame	
2	1	Spacer	
3	1	Screw	
4	1	Cylindrical pin	9611991492
5 □	2	Sealing ring	
6 □	1	Snap ring	
7	1	Ring	
8	1	Ball bearing	
9	3	Screw	
10	1	Bearing cover	
11 □	1	Felt strip	
12	4	Screw	
13	4	Lock washer	
14	1	Ring	
15	1	Ring	
16b	4	Stud bolt	
17b	4	Nut	
18	1	Thrower	
19	2	Set screw	
20	1	Lubricant nipple	
21	4	Screw	
22	1	Lock washer	

**Pump casing with sanitary fittings. Connections 51 mm**

23	1	Pump casing, ISO male	
	1	Pump casing, SMS	
	1	Pump casing, DIN	
	1	Pump casing, ISO clamp	
	1	Pump casing, BS	
24 □	2	Joint ring, NBR	3145400191

**Casing cover with sanitary fittings. Connections 51 mm**

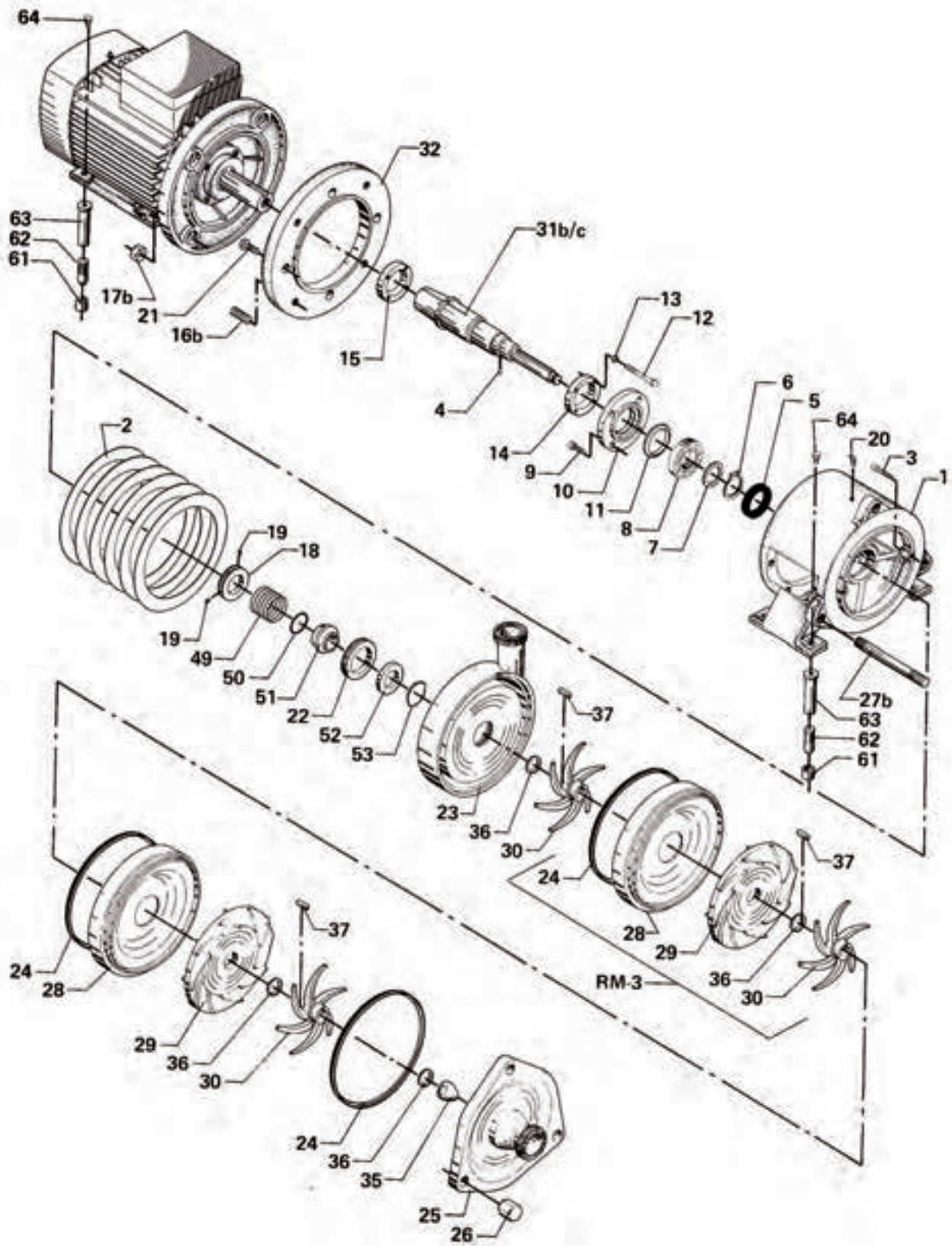
25	1	Casing cover, ISO male	
	1	Casing cover, SMS	
	1	Casing cover, DIN	
	1	Casing cover, ISO clamp	
	1	Casing cover, BS	
26	3	Nut	

Pos	Qty	Denomination	RM-2	RM-3
27b	3	Stud bolt		
28	1	Intermediate part		
29	1	Guide vanes		
30*	2	Impeller, ø200 mm (Standard)		
	2	Impeller, ø 220 mm		
32	1	Intermediate flange		
35	1	Nut		
36 □	3	Sealing washer		
37 □	2	Key		

\* Sometimes reduced impeller dia. Check the dia. of original impeller.

61	4	Lock nut		
62	4	Adjustable foot	3143700741	3143700741
63	4	Leg		
64	4	Screw	221094716	221094716

*Not manufactured anymore*





Pos	Qty	Denomination	RM-2	RM-3
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**Single Shaft Seal**

	□	Shaft seal complete, EPDM (Standard)		
49	1	Spring		
50	1	O-ring, EPDM		
51	1	Rotating seal ring		
52	1	Stationary seal ring		
53	1	Packing, EPDM		

**Single Shaft Seal**

	□	Shaft seal complete, NBR		
49	1	Spring		
50	1	O-ring, NBR		
51	1	Rotating seal ring		
52	1	Stationary seal ring		
53	1	Packing, NBR		

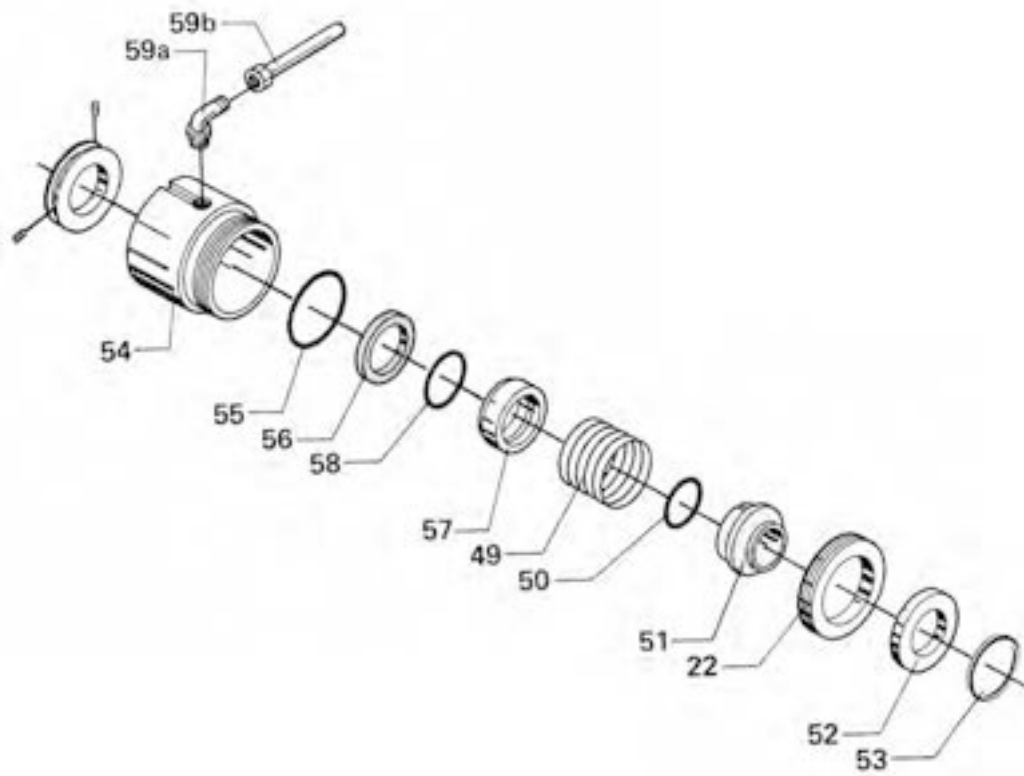
**Alternative Seal Rings for abrasive liquids**

52	1	Stationary seal ring with silicone carbide		
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**Tools**

1	Key for hex. socket screw		
1	Spanner for seal		
1	Spanner for impeller		

*Not manufactured anymore*



**Pos Qty Denomination**

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**Parts for Double Shaft Seal**

22	1	Lock washer	.....	
54	1	Seal housing	.....	
59a	2	Tube fitting	.....	
59b	2	Copper tube	.....	

**Double Shaft Seal**

□		Shaft seal complete, EPDM (Standard)	.....	
49	1	Spring	.....	
50	1	O-ring, EPDM	.....	
51	1	Rotating seal ring	.....	
52	1	Stationary seal ring	.....	3145400221
53	1	Packing, EPDM	.....	
55	1	O-ring, EPDM	.....	9611990066
56	1	Stationary seal ring (reversible)	.....	
57	1	Rotating seal ring	.....	
58	1	O-ring, EPDM	.....	99001414

**Double Shaft Seal**

□		Shaft seal complete, NBR	.....	
49	1	Spring	.....	
50	1	O-ring, NBR	.....	
51	1	Rotating seal ring	.....	
52	1	Stationary seal ring	.....	3145400221
53	1	Packing, NBR	.....	
55	1	O-ring, NBR	.....	22340676
56	1	Stationary seal ring (reversible)	.....	
57	1	Rotating seal ring	.....	
58	1	O-ring, NBR	.....	22340661

**Alternative Seal Rings for Abrasive Liquids**

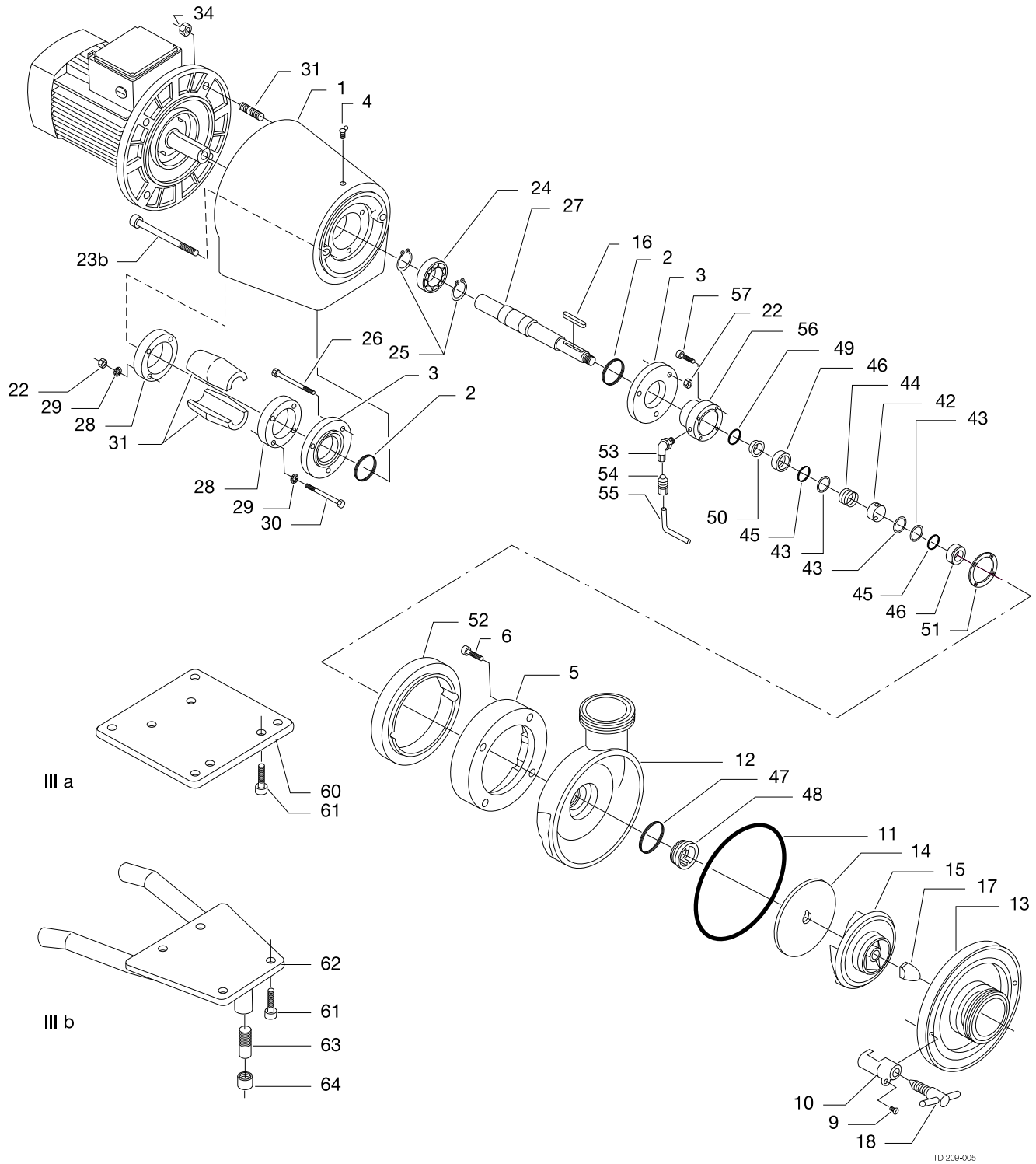
51	1	Rotating seal ring with silicone carbide	.....	
52	1	Stationary seal ring with silicone carbide	.....	

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Parts marked with □ are included in the Service kits.

Recommended spare parts: Service kits.

*Not manufactured anymore*



TD 209-005

Pos	Qty	Denomination	
	1	Motor, M2AA 4 kW, 220-240/380-420 V	
	1	Motor, *MBT 4 kW, 220-240/380-420 V	
	1	Motor, M2AA 4 kW, 380-420/660 V	
	1	Motor, *MBT 4 kW, 380-420/660 V	
	1	Motor, M2AA 5.5 kW, 220-240/380-420V	
	1	Motor, M2AA 5.5 kW, 220-240/380-420V	
	1	Motor, M2AA 5.5 kW, 380-420/660 V	
	1	Motor, *MBT 5.5 kW, 380-420/660 V	
	1	Motor, M2AA 7.5 kW, 220-240/380-420V	
	1	Motor, *MBT 7.5 kW, 220-240/380-420V	
	1	Motor, M2AA 7.5 kW, 380-420/660 V	
	1	Motor, *MBT 7.5 kW, 380-420/660 V	
1	1	Frame	
2	□ 2	Seal ring	52632203
3	2	Bearing cover	
4	1	Grease nipple	
5	1	Intermediate flange	
6	4	Screw	
9	2	Screw	
10	2	Clamp	
11	□ 1	Joint ring, EPDM (Standard)	3143103201
	□ 1	Joint ring, NBR	

**Pump casing with sanitary fittings. Connection 76 mm**

12	1	Pump casing, ISO male	
	1	Pump casing, SMS	
	1	Pump casing, DIN	
	1	Pump casing, ISO clamp	
	1	Pump casing, BS	

**Casing cover with sanitary fittings. Connection 76 mm**

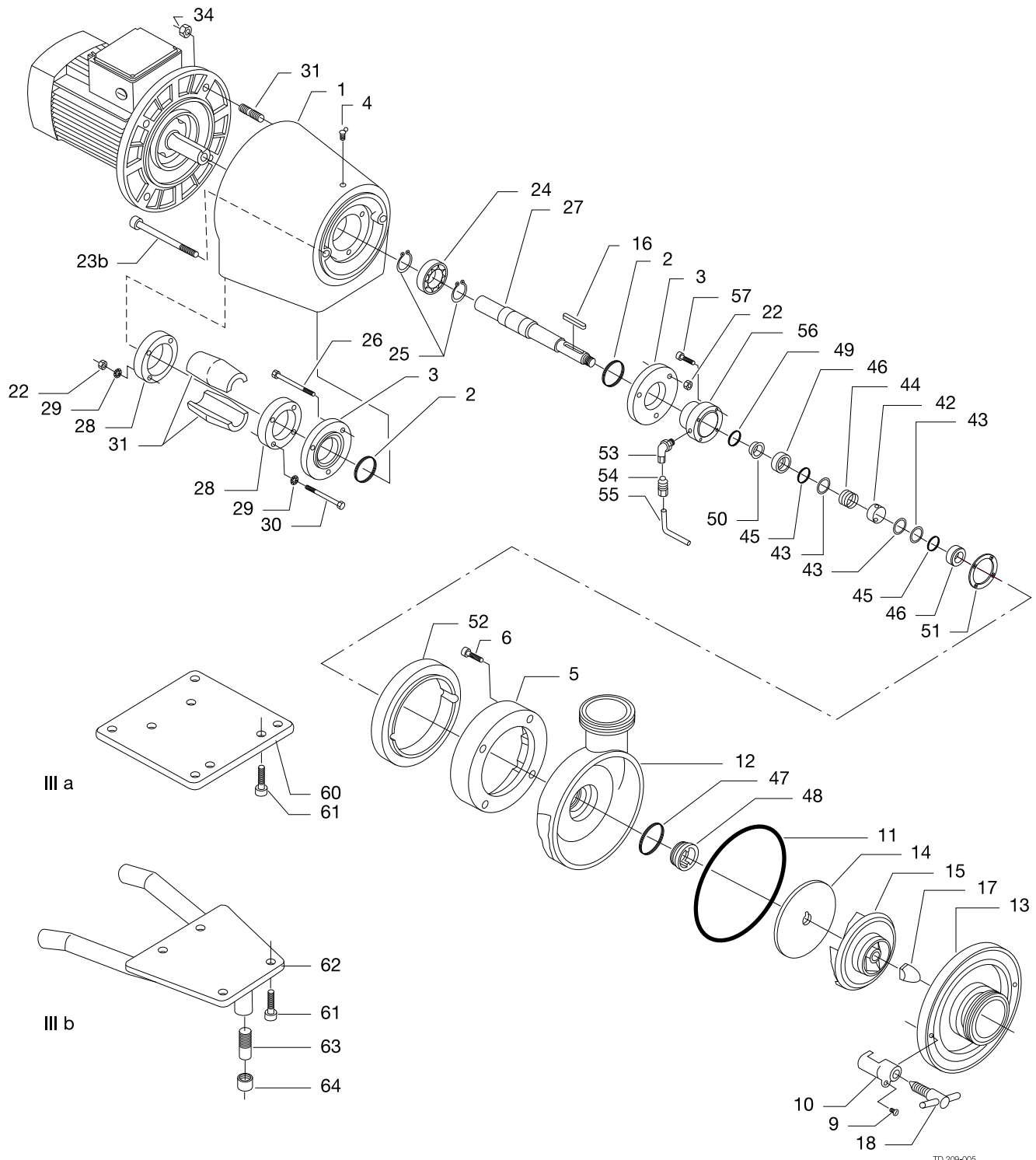
13	1	Casing cover, ISO male	
	1	Casing cover, SMS	
	1	Casing cover, DIN	
	1	Casing cover, ISO clamp	
	1	Casing cover, BS	
14	1	Impeller cover	
15**	1	Impeller, (ø157 mm)	
16	1	Key	190411
17	1	Impeller nut	

\* MBT motor (period -9310) not available anymore.

\*\* Sometimes reduced impeller diameter. Check the diameter of original impeller.

18	2	Clamp screw	
21	1	Thrower	3145200041
22	3	Nut	221804303
23a	2	Screw	
24	1	Ball bearing	
25	□ 2	Circlip	22364115
26	3	Screw	
27	1	Shaft	
28	2	Ring	
29	8	Lock washer	
30	4	Screw	
31a	1	Coupling sleeve, (2 halves) motor shaft diameter 28 mm (4 kW)	
31b	1	Coupling sleeve, (2 halves) motor shaft diameter 38 mm (5.5-7.5 kW)	
33	4	Stud bolt	
34	4	Nut	
60	1	Support plate	
61	4	Screw	
62	1	Foot stand	
63	3	Ajustable foot	3143700741

*Not manufactured anymore*

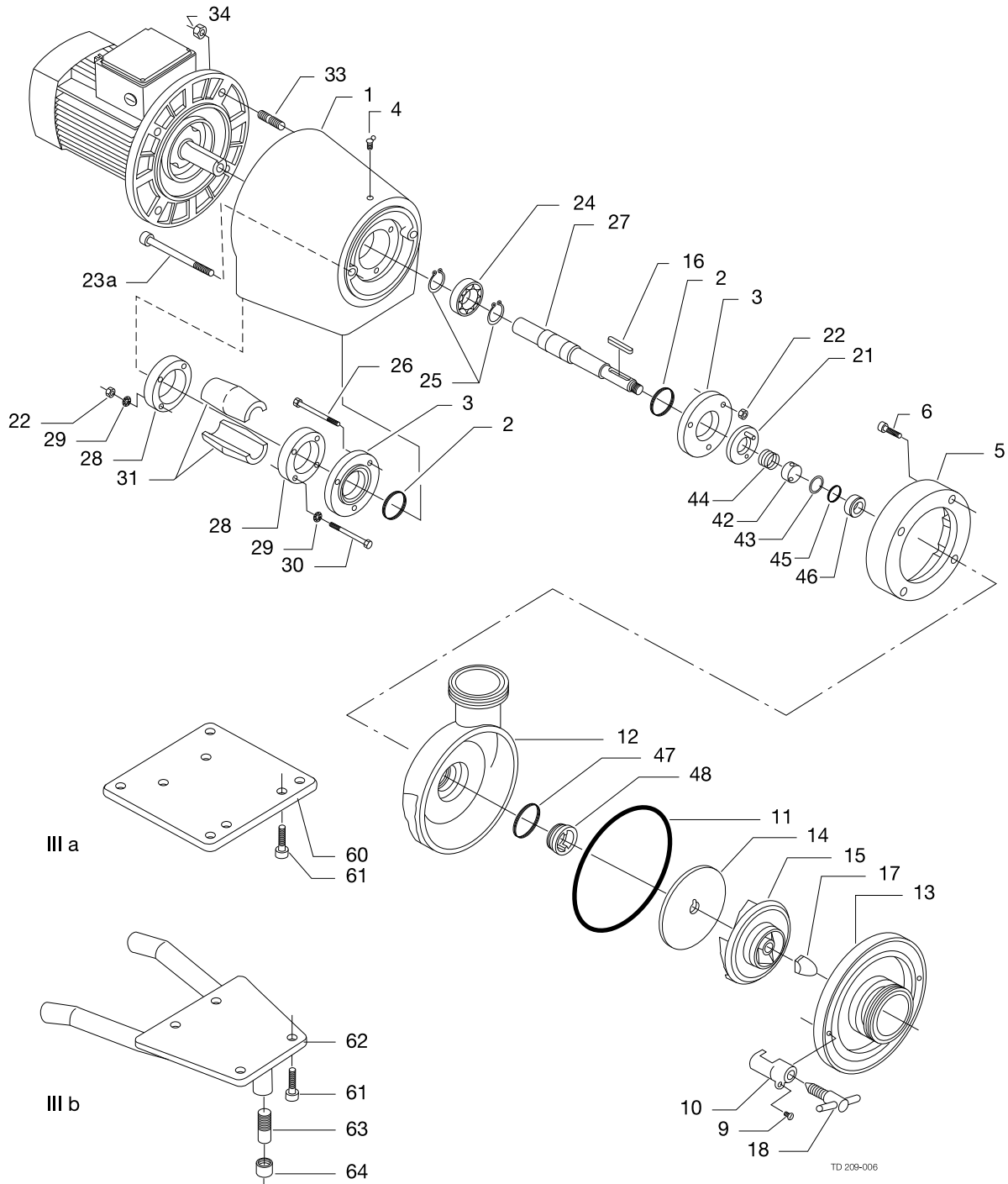


TD 209-005

Pos	Qty	Denomination	
<b>Single Shaft Seal, EPDM (Standard)</b>			
	□	Shaft seal complete	
42	1	Spacer	3143702121
43	1	Washer	104125
44	1	Spring	104154
45	1	O-ring	3143901684
46	1	Rotating seal ring	3143702111
47	1	O-ring	26010440
48	1	Stationary seal ring	3145200071
<b>Single Shaft Seal, NBR</b>			
	□	Shaft seal complete	3145201042
42	1	Spacer	3143702121
43	1	Washer	104125
44	1	Spring	104154
45	1	O-ring	3143901681
46	1	Rotating seal ring	3143702111
47	1	O-ring	22340659
48	1	Stationary seal ring	3145200071
<b>Tools</b>			
	1	Spanner for stationary seal ring	3143803351
	1	Key for hex. socket screw (3/8")	
	1	Key for hex. socket screw (5/16")	

Parts marked with □ are included in the Service kits.  
 Recommended spare parts: Service kits.

*Not manufactured anymore*



TD 209-006



Pos	Qty	Denomination	
	1	Motor, M2AA 4 kW, 220-240/380-420V	
	1	Motor, *MBT 4 kW, 220-240/380-420 V	
	1	Motor, M2AA 4 kW, 380-420/660 V	
	1	Motor, *MBT 4 kW, 380-420/660 V	
	1	Motor, M2AA 5.5 kW, 220-240/380-420V	
	1	Motor, M2AA 5.5 kW, 220-240/380-420V	
	1	Motor, M2AA 5.5 kW, 380-420/660 V	
	1	Motor, *MBT 5.5 kW, 380-420/660 V	
	1	Motor, M2AA 7.5 kW, 220-240/380-420V	
	1	Motor, *MBT 7.5 kW, 220-240/380-420V	
	1	Motor, M2AA 7.5 kW, 380-420/660 V	
	1	Motor, *MBT 7.5 kW, 380-420/660 V	
1	1	Frame	
2	□ 2	Seal ring	52632203
3	2	Bearing cover	
4	1	Grease nipple	
5	1	Intermediate flange	
6	4	Screw	
9	2	Screw	
10	2	Clamp	
11	□ 1	Joint ring, EPDM (Standard)	3143103201
	□ 1	Joint ring, NBR	

**Pump casing with sanitary fittings. Connection 76 mm**

12	1	Pump casing, ISO male	
	1	Pump casing, SMS	
	1	Pump casing, DIN	
	1	Pump casing, ISO clamp	
	1	Pump casing, BS	

**Casing cover with sanitary fittings. Connection 76 mm**

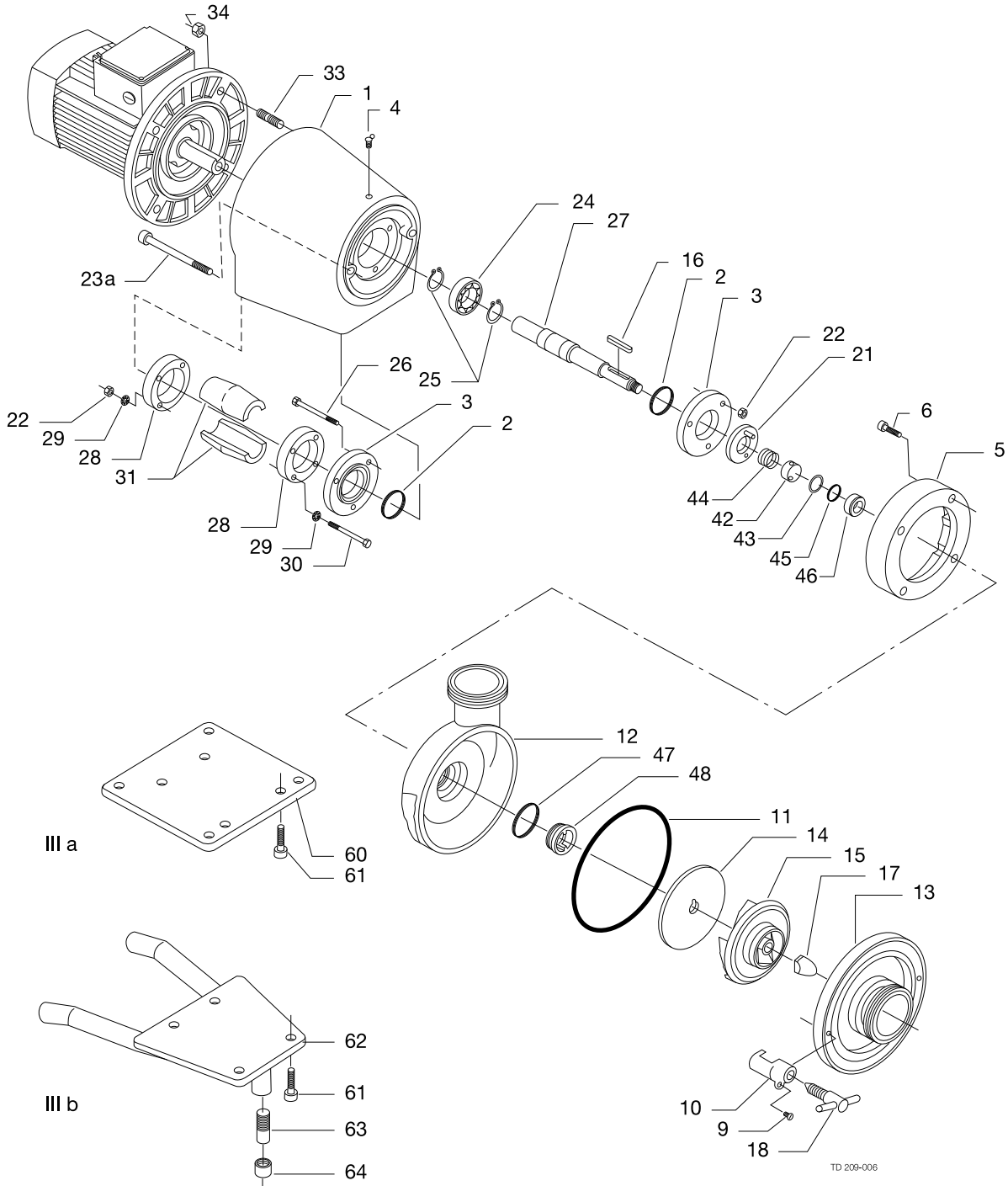
13	1	Casing cover, ISO male	
	1	Casing cover, SMS	
	1	Casing cover, DIN	
	1	Casing cover, ISO clamp	
	1	Casing cover, BS	
14	1	Impeller cover	
15**	1	Impeller, (ø157 mm)	
16	1	Key	190411
17	1	Impeller nut	

\* MBT motor (period -9310) not available anymore.

\*\* Sometimes reduced impeller diameter. Check the diameter of original impeller.

18	2	Clamp screw	
22	3	Nut	
23a	2	Screw	
24	1	Ball bearing	
25	□ 2	Circlip	22364115
26	3	Screw	
27	1	Shaft	
28	2	Ring	
29	8	Lock washer	
30	4	Screw	
31a	1	Coupling sleeve, (2 halves) motor shaft diameter 28 mm (4 kW)	
31b	1	Coupling sleeve, (2 halves) motor shaft diameter 38 mm (5.5-7.5 kW)	
33	4	Stud bolt	
34	4	Nut	
52	1	Intermediate ring	
53	2	Fitting	
54	2	Fitting	
55	1	Copper tupe	
56	1	Seal housing	
57	4	Screw	
60	1	Support plate	
61	4	Screw	
62	1	Foot stand	
63	3	Ajustable foot	3143700741
64	3	Lock nuts	

*Not manufactured anymore*



**Pos Qty Denomination**

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**Double Shaft Seal, EPDM (Standard)**

	□	Shaft seal complete	
42	1	Spacer	3143702121
43	3	Washer	104125
44	1	Spring	104154
45	2	O-ring	3143901684
46	2	Rotating seal ring	3143702111
47	1	O-ring	26010440
48	1	Stationary seal ring	3145200071
49	1	O-ring	26010433
50	1	Stationary seal ring	3145000071
51	1	Packing	

**Double Shaft Seal, NBR**

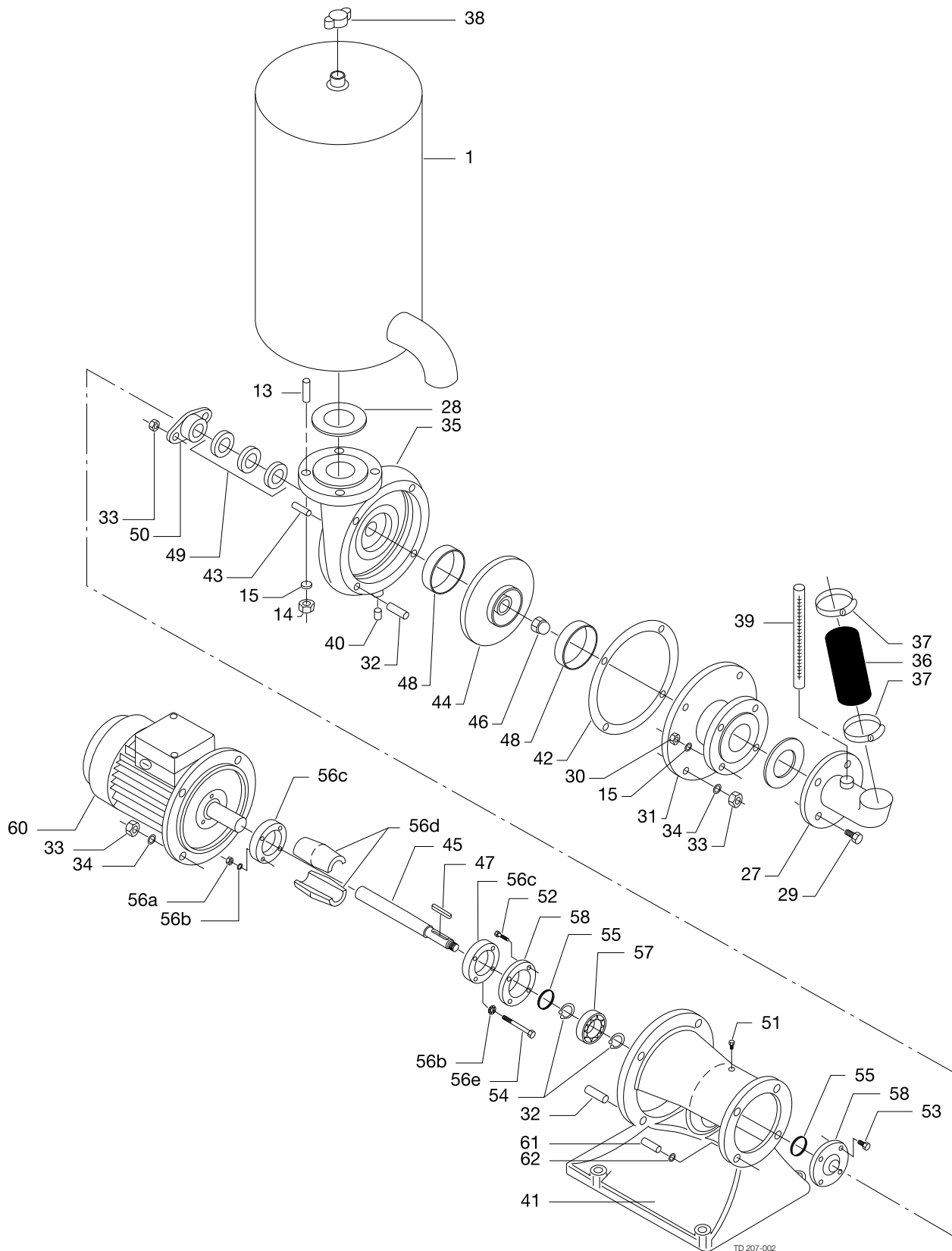
	□	Shaft seal complete	
42	1	Spacer	3143702121
43	3	Washer	104125
44	1	Spring	104154
45	2	O-ring	3143901681
46	2	Rotating seal ring	3143702111
47	1	O-ring	22340659
48	1	Stationary seal ring	3145200071
49	1	O-ring	22340651
50	1	Stationary seal ring	3145000071
51	1	Packing	

**Tools**

1	Spanner for stationary seal ring	3143803351
1	Key for hex. socket screw (3/8")	
1	Key for hex. socket screw (5/16")	

Parts marked with □ are included in the Service kits.  
 Recommended spare parts: Service kits.

*Not manufactured anymore*

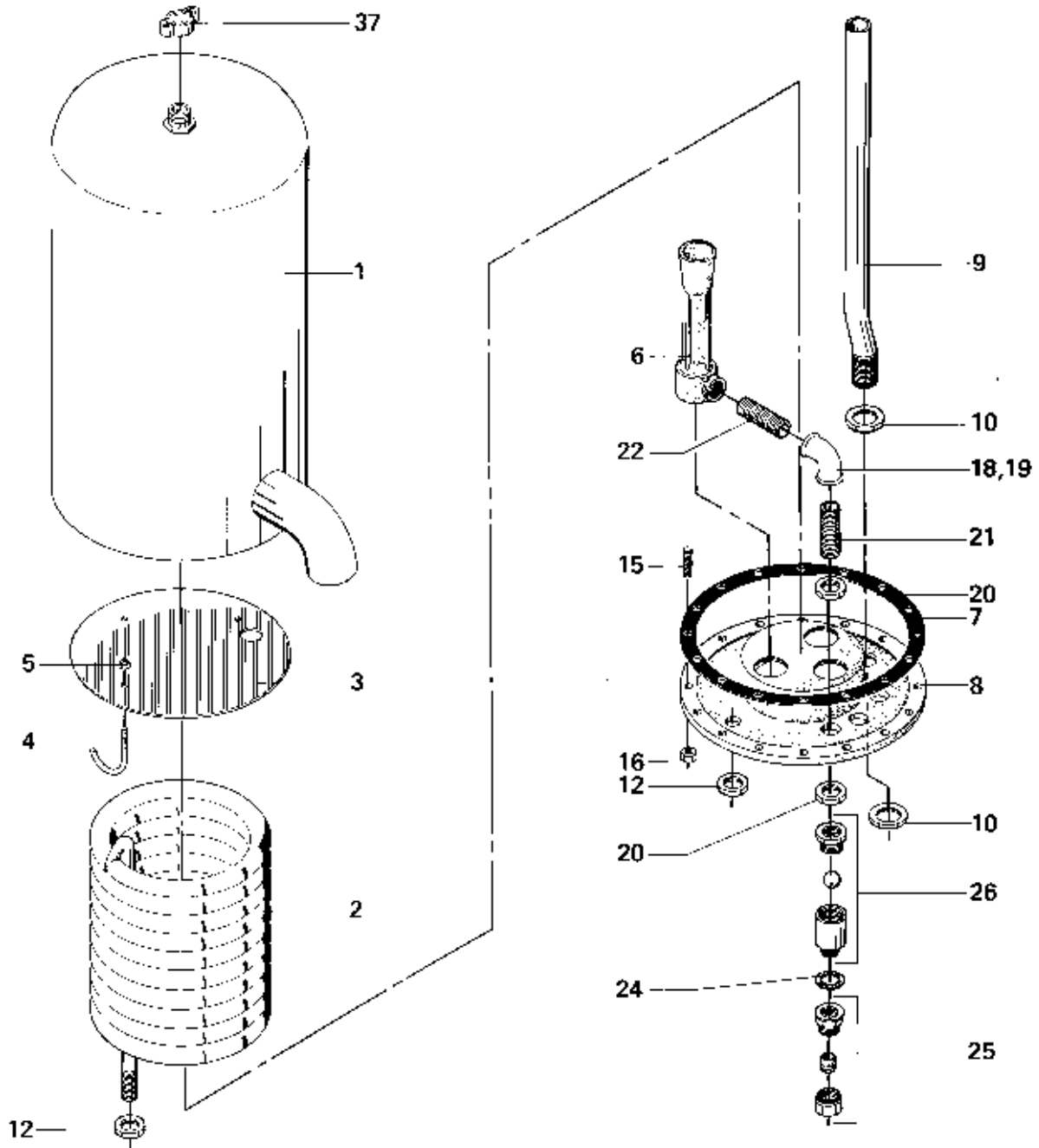


TD 207-002

Pos	Qty	Denomination	
1	1	Tank	
13	4	Stud bolt	
14	4	Nut	
15	8	Washer	9611991886
27	1	Suction pipe	
28	2	Packing	
29	4	Screw	
30	4	Nut	
31	1	Cover	
32	8	Stud bolt	
33	10	Nut	
34	8	Washer	
35	1	Pump housing	
36	1	Hose	
37	2	Hose clip	9611990593
38	1	Plug	
39	1	Thermometer	
40	1	Plug for condensate pipe	
41	1	Frame	
42	1	Gasket	
43	2	Stud bolt	
44	1	Impeller	
45	1	Pump shaft	
46	1	Impeller nut	
47	1	Key	
48	2	Seal ring (only old pumps)	
49	3	Gland packing	
50	1	Gland	
51	1	Lubricating nipple	
52	2	Nut	
53	2	Screw	
54	2	Snap ring	22364115
55	2	Felt ring	
56	1	Compression coupling, compl.	
56a	4	Nut	
56b	8	Lock washer	
56c	2	Ring	
56d	2	Coupling sleeve (2 halves)	
56e	4	Screw	
57	1	Ball bearing	
58	2	Bearing cover	
60	1	Motor, 2.2 kW 220-240/380-420 V	
	1	Motor, 2.2 kW 380-420/660 V	
61	4	Pinbolt	
62	4	Washer	

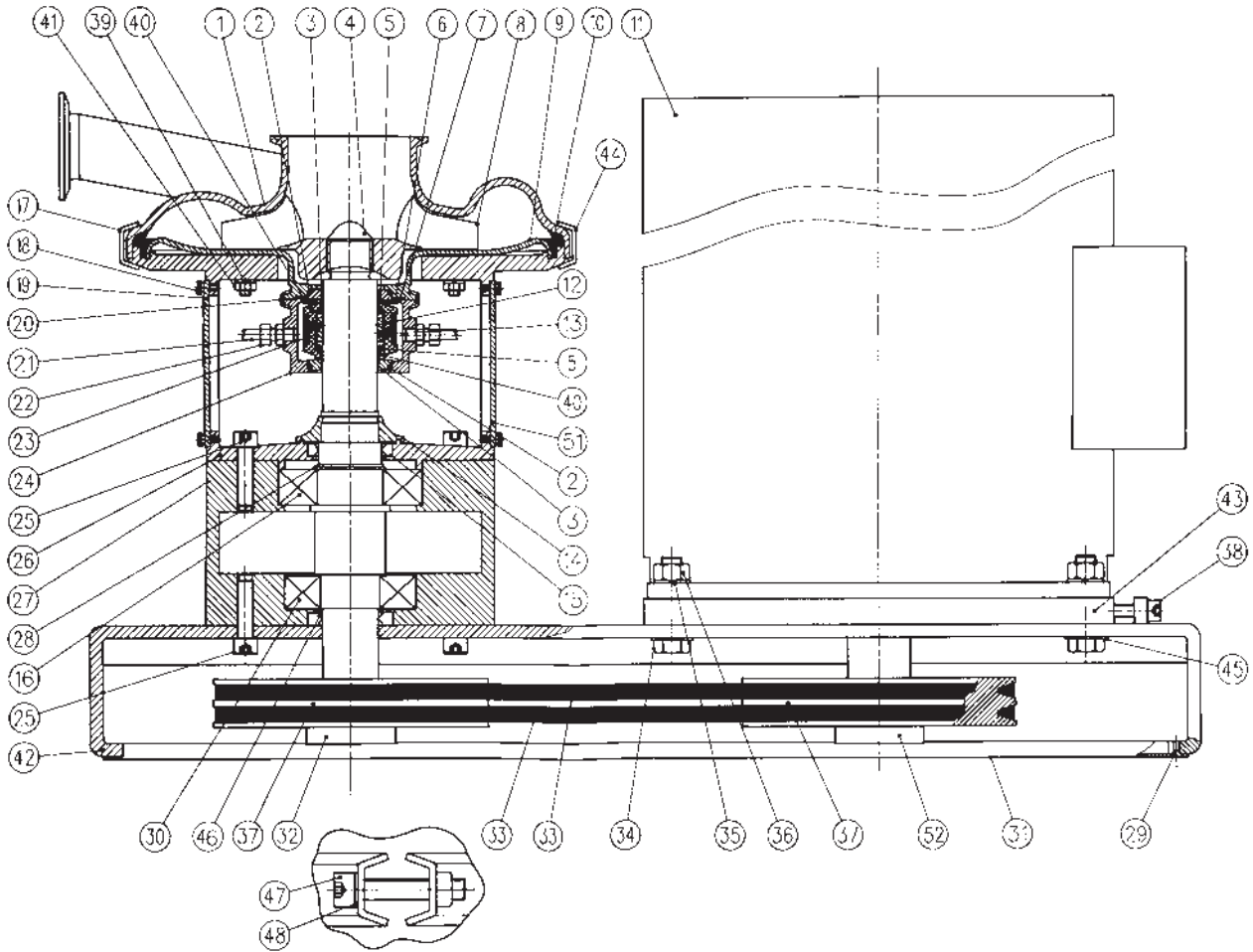
Recommended spare parts: Pos. 48.

*Not manufactured anymore*



Pos	Qty	Denomination
2	1	Cooling coil
3	1	Splash guard
4	3	Clamp
5	3	Nut 22180328
6	1	Injector complete
7	1	Packing
8	1	Bottom plate
9	1	Overflow pipe
10	2	Nut
12	4	Nut
15	16	Pinbolt
16	16	Nut
18	2	Elbow (side elbows)
19	1	Elbow (middle elbow)
20	6	Nut
21	3	Nipple
22	2	Nipple (sides)
23	1	Nipple (middle)
24	3	Packing
25	3	Coupling
26	3	Check valve, complete
37	1	Plug

*Not manufactured anymore*

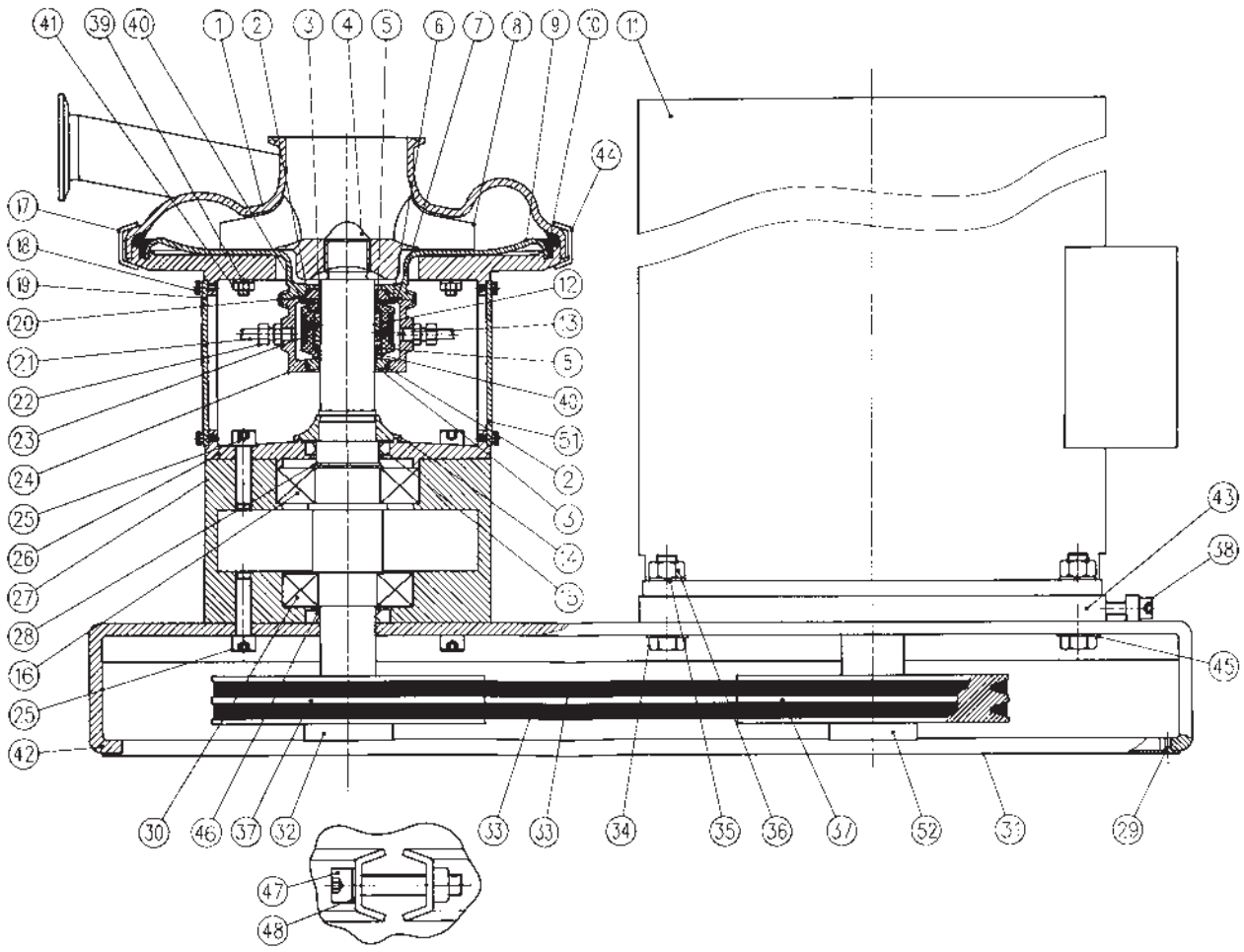


Sammenspænding af pumpekasseklæmme.  
assembly of pump casing clamp.



Pos	Qty	Denomination	
1	1	Pumpe casing, ISO/IDF	
	1	Pumpe casing, SMS	
	1	Pumpe casing, DIN	
	1	Pumpe casing, ISO-clamp	
	1	Pumpe casing, BS	
6	1	Retainer	
7	□ 1	O-ring, EPDM	3146010271
	1	O-ring, NBR	
	1	O-ring, FPM	
8	1	Impeller	
9	1	Back plate	
10	□ 1	Joint ring, EPDM	3146000091
	1	Joint ring, NBR	3146000092
	1	Joint ring, FPM	3146000093
14	1	Rubber seal	
15	1	V-ring	
16	1	Ball bearing	
17	1	Clamp half	3146003951
18	8	Screw	
19	1	Cover plate	
25	8	Screw	
26	1	Bracket	
27	1	Bearing block	
28	1	Retaining ring	
29	8	Screw	
30	1	Ball Bearing	
31	1	Protection	
33	1	V-belt	
34	4	Bolt	9611992200
35	4	Washer	9611991886
36	4	Nut	9611992160
38	1	Screw	9611990352
39	3	Washer	22310725
41	4	Nut	22180328
42	1	Base frame	
43	1	Motor adaptor	
44	1	Clamp half	
45	4	Washer	9611990703
46	1	V-ring	
47	2	Screw	9611991827
48	2	Washer	
51	1	Cover plate	
<b>Parts for double shaft seal</b>			
4	1	Shaft	
12	1	Drive sleeve	3146011701
13	1	Drive sleeve screw	
20	1	Clamp	755038
21	2	Copper pipe	
22	2	Fitting	
24	1	Seal housing	
<b>Shaft seal</b>			
2	□ 2	Stationary O-ring, EPDM, (Standard)	3146010581
	2	Stationary O-ring, NBR	
	2	Stationary O-ring, FPM	
5	□ 2	Rotating O-ring, EPDM, (Standard)	
	2	Rotating O-ring, NBR	
	2	Rotating O-ring, FPM	
3	□ 2	Stationary seal ring, silicone carbide	3146010672
40	□ 2	Rotating seal ring, silicone carbide	3146010682
23	□ 1	Spring	3146010961

*Not manufactured anymore*

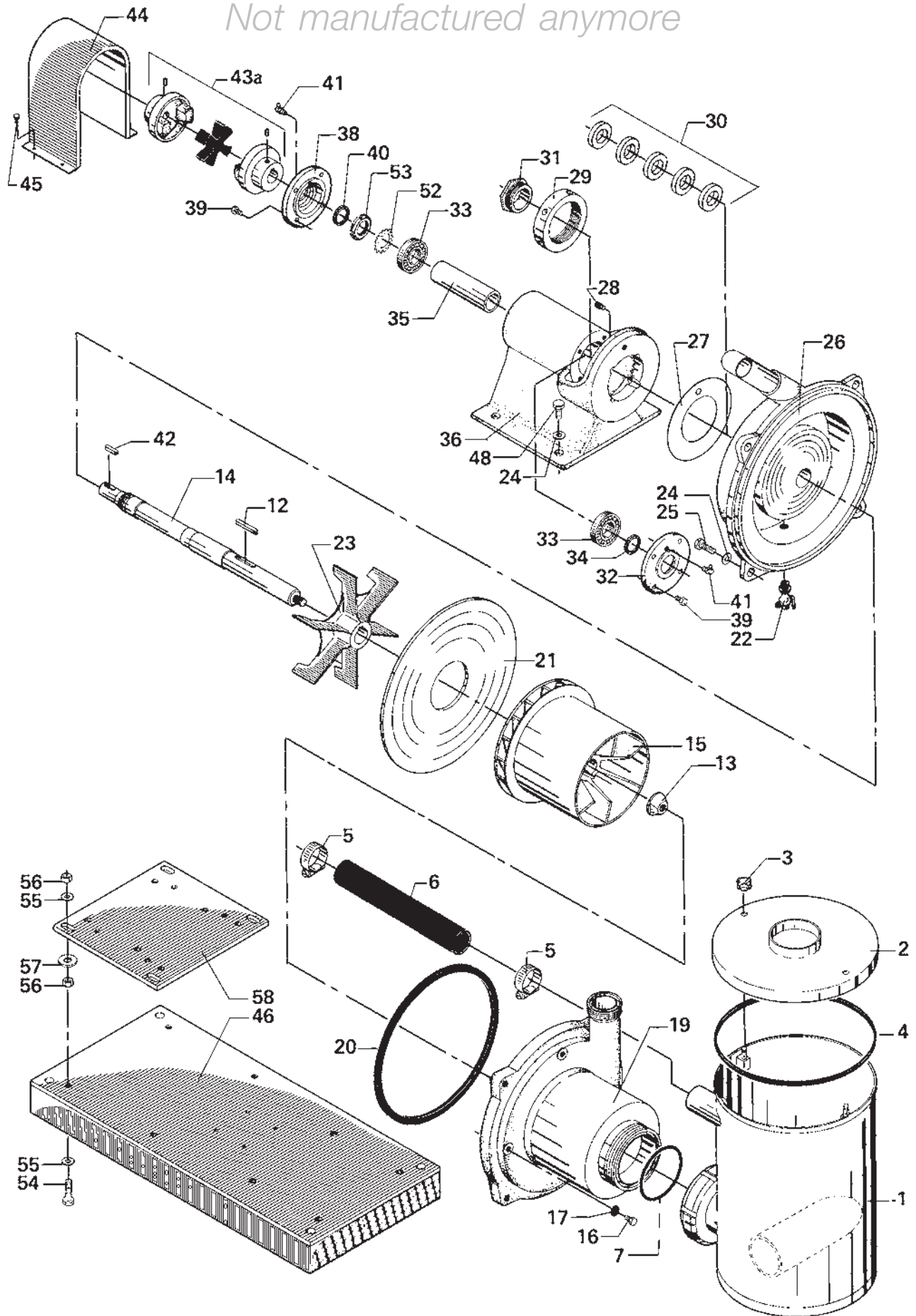


Sammenspanning at pumpetus clamp.  
assembly of pump casing clamp.

Pos	Qty	Denomination	15 kW	18.5 kW	22 kW
11	1	Motor, 220/240 VΔ . . . . .			
	1	Motor, 415 VΔ . . . . .			
	1	Motor, 380/420 VΔ . . . . .			
	1	Motor, 220/240 VΔ . . . . .			
	1	Motor, 415 VΔ . . . . .			
	1	Motor, 380/420 VΔ . . . . .			
	1	Motor, 220/240 VΔ . . . . .			
	1	Motor, 415 VΔ . . . . .			
32	2	Grooved pulley, sleeve ø42 . . . . .			
	1	Grooved pulley, sleeve ø42 . . . . .			
37	2	Taper lock pulley . . . . .			
52	1	Grooved pulley, sleeve ø48 . . . . .			

Parts marked with □ are included in the Service kits. Recommended spare parts: Service kits.

*Not manufactured anymore*



Pos	Qty	Denomination	
1a	1	Funnel version A, with tangential inlet	
1b	1	Funnel version B	
2	1	Cover	
3	2	Handle	
4	1	Seal	3146001116
5	2	Hose clip	
6	1	Rubber hose	
7	1	Seal ring	190607
12	1	Key	
13	1	Impeller nut	
14	1	Shaft	
15	1	Impeller	
16	1	Drain screw	
17	1	Packing	
19	1	Impeller housing, (defoaming chamber)	
20	□	Joint ring	
21	1	Partition	
22	1	Drain cock	
23	1	Fan wheel	
24	8	Spring washer	9611991886
25	4	Screw	9611991826
26	1	Fan wheel housing	
27		Shim	
28	1	Set screw	99002303
29	1	Round nut	
30	□	Gland packing	
31	1	Gland	
32	1	Ball bearing cover	
33	2	Ball bearing	
34	1	Oil seal	
35	1	Spacing sleeve	
36	1	Frame	
38	1	Ball bearing cover	
39	8	Screw	
40	1	Oil seal	
41	2	Lubrication nipple	
44	1	Protection cap	
45	4	Screw	
48	4	Screw	
52	1	Lock washer	
53	1	Lock nut	
54	4	Screw	
55	8	Spring washer	9611990676
56	8	Nut	9611990587
57	4	Washer	3146001041
58	1	Motorplate	

**Parts for Direct Drive**

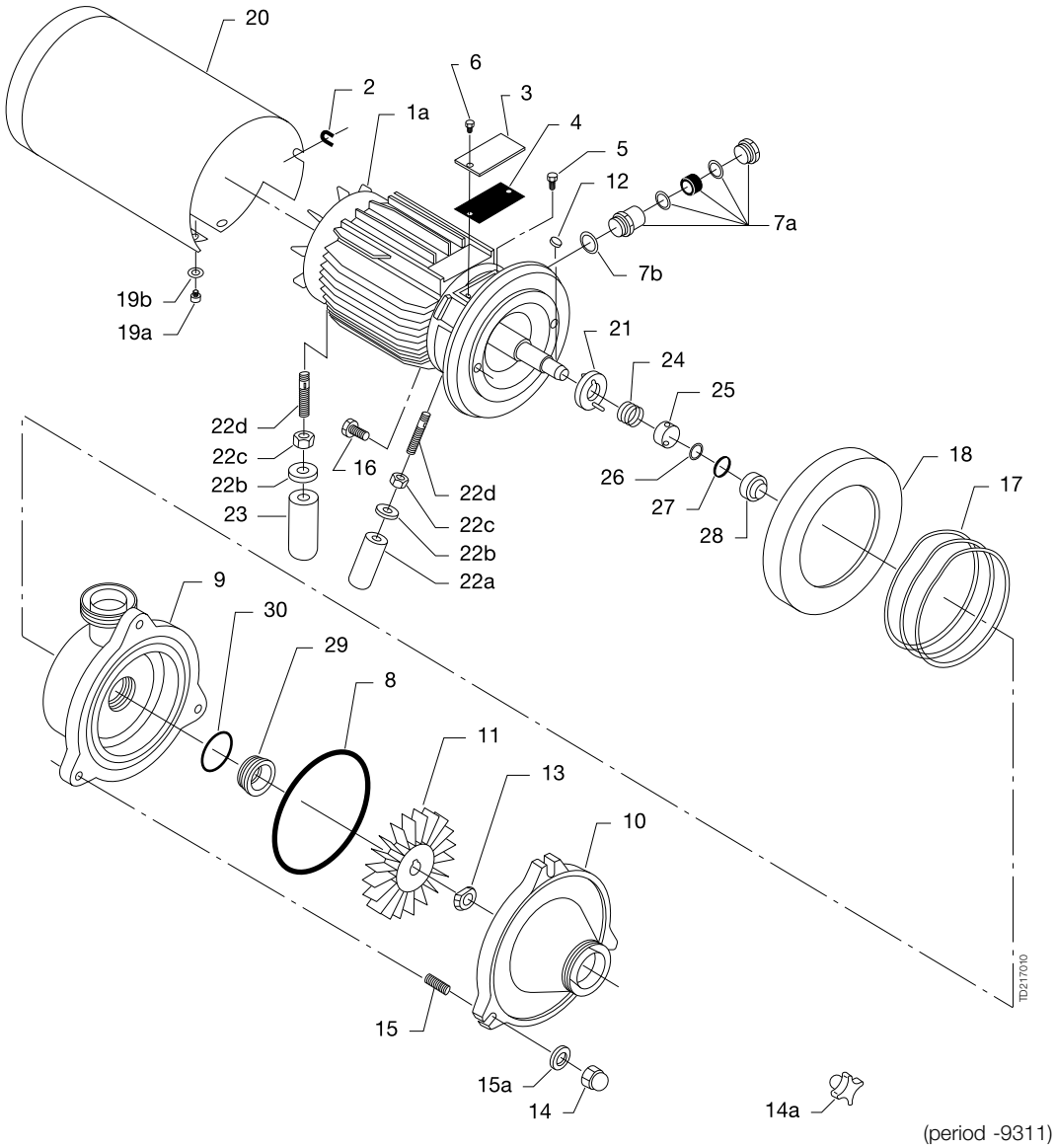
43a	1	Coupling	
42	1	Key	
43b	1	Rubber plate (included in 43a)	
46	1	Foundation plate	

**Tool**

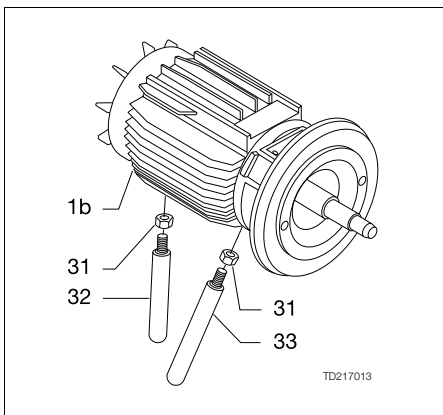
Spanner

Parts marked with □ are included in the Service kits. Recommended spare parts: Service kits.

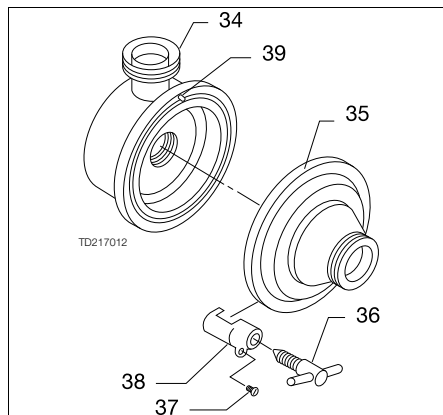
*Not manufactured anymore*



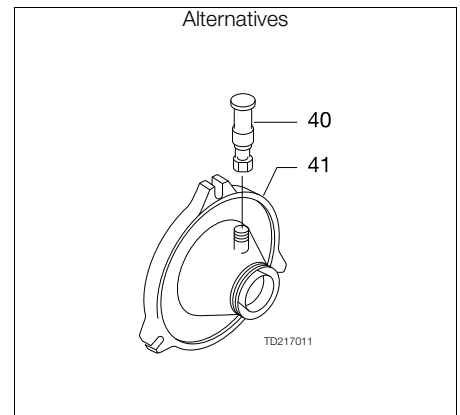
(period -9311)



Older legs (period -8610)



Older pump casing and casing cover (period -9103)



Casing cover with noise-reducing valve

Pos	Qty	Denomination	(Period 8610-) MR-166B
1a	1	Motor, 2.2 kW 220/380V	
	1	Motor, 2.2 kW 230-260/400-440 V	
1b	1	Motor, 2.2 kW 220/380 V (period - 8610)	
	1	Motor, 2.2 kW 230-260/400-440 V (period - 8610)	
2	1	Cable protection	
3	1	Cover	
4	1	Packing	
5	1	Set screw for earth wire	
6	2	Screw	
7a	1	Compression gland, 22.5 mm	3180101544
7b	1	Packing	3143900491
8	1	O-ring, EPDM (Standard)	3143800101
	1	O-ring, NBR	103395
	1	O-ring, FPM	3143800103

**Pump casing with sanitary fittings. Connections 51 mm**

9	1	Pump casing, ISO male	3143803961
	1	Pump casing, SMS	3143803962
	1	Pump casing, DIN	
	1	Pump casing, ISO clamp	3143803964
	1	Pump casing, BS	3143803965

**Casing cover with sanitary fittings. Connection 51 mm**

10	1	Casing cover, ISO male	3143803951
	1	Casing cover, SMS	3143803952
	1	Casing cover, DIN	
	1	Casing cover, ISO clamp	3143803954
	1	Casing cover, BS	3143803955
11	1	Impeller	3143801702
12	1	Key	190337
13	1	Nut	3144200131
14	3	Cap nut (period 9311-)	22185115
14a	3	Handle (period -9311)	9611992407
15	3	Stud bolt (period 9311-)	9612363504
	3	Screw (period -9311)	9611992408
15a	3	Washer (period 9311-)	9611990706
16	2	Screw	221094716
17	1-2	Shims, 0.1 mm	3143800391
	1-2	Shims, 0.3 mm	3143800381
18	1	Lining	3143801711
19a	4	Screw	221093823
19b	4	Washer	9611991831
20	1	Shroud	
21	1	Thrower	3145200041
22a	2	Front leg	3146012481
22b	3	Washer	3146001041
22c	3	Nut	9611991829
22d	3	Stud bolt	
23	1	Back leg	3146012483

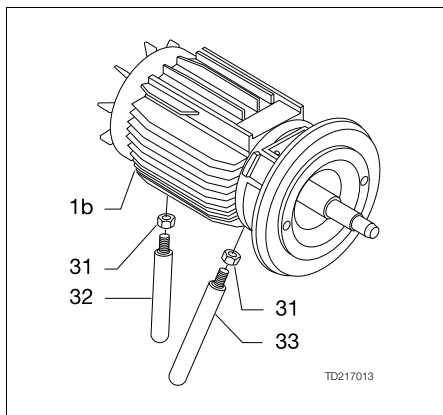
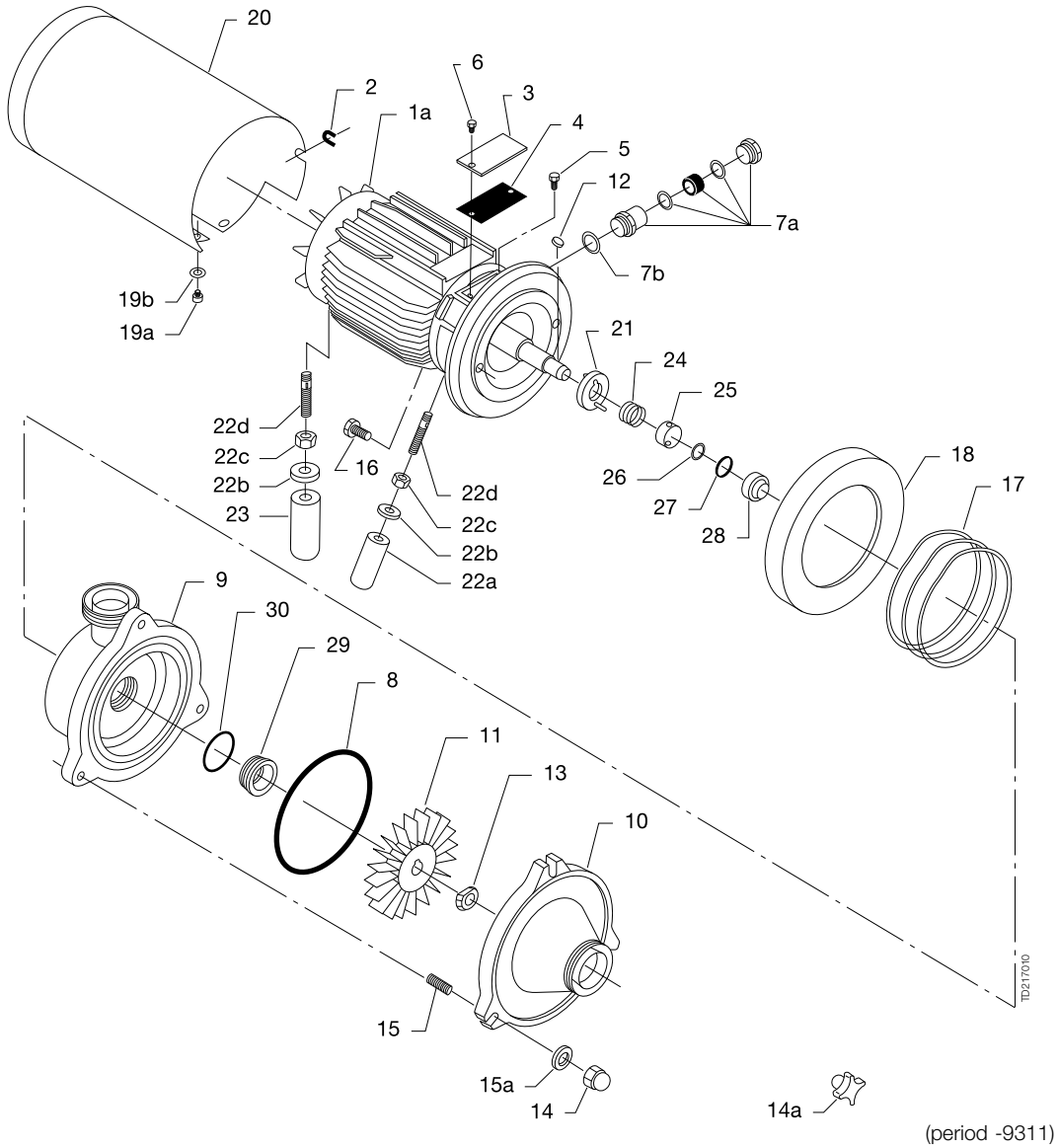
**Alternatives**

40	1	Noise-reducing valve	9612364101
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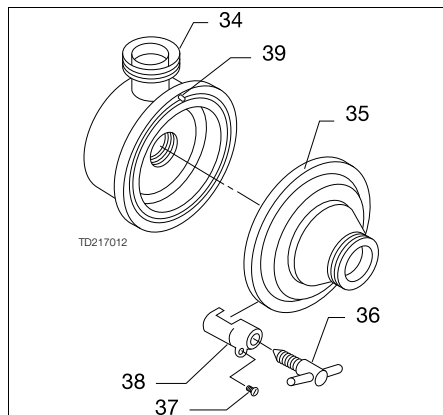
**Casing cover with noise-reducing valve (pos. 40)**

41	1	Casing cover, ISO male	
	1	Casing cover, SMS	
	1	Casing cover, DIN	
	1	Casing cover, ISO clamp	
	1	Casing cover, BS	

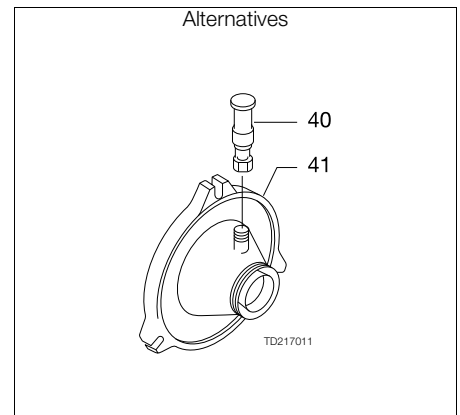
*Not manufactured anymore*



Older legs (period -8610)



Older pump casing and casing cover (period -9103)



Casing cover with noise-reducing valve



Pos	Qty	Denomination	MR-166B
	□	Shaft seal, complete, EPDM (Standard)	3143802071
24	1	Spring	104154
25	1	Spacer ring	3143702121
26	1	Washer	104125
27	1	O-ring	3143901684
28	1	Rotating seal ring	3143702111
29	1	Stationary seal ring	3143800761
30	1	O-ring	26010440
	□	Shaft seal, complete, NBR	3143802072
24	1	Spring	104154
25	1	Spacer ring	3143702121
26	1	Washer	104125
27	1	O-ring	3143901681
28	1	Rotating seal ring	3143702111
29	1	Stationary seal ring	3143800761
30	1	O-ring	22340659
	□	Shaft seal, complete, FPM	3143802073
24	1	Spring	104154
25	1	Spacer ring	3143702121
26	1	Washer	104125
27	1	O-ring	3143901685
28	1	Rotating seal ring	3143702111
29	1	Stationary seal ring	3143800761
30	1	O-ring	26010406

**Accessories (Delivered with every new pump)**

1	Spanner for stationary seal ring	3143803351
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**Older legs (period - 8610)**

31	3	Lock nut	
32	1	Back leg	
33	2	Front leg	

**Older parts (period -9103)**

**Pump casing with sanitary fittings. Connections 51 mm**

34	1	Pump casing, ISO male	
	1	Pump casing, SMS	
	1	Pump casing, DIN	
	1	Pump casing, ISO clamp	
	1	Pump casing, BS	

**Casing cover with sanitary fittings. Connection 51 mm**

35	1	Casing cover, ISO male	
	1	Casing cover, SMS	
	1	Casing cover, DIN	
	1	Casing cover, ISO clamp	
	1	Casing cover, BS	
36	2	Clamp screw	
37	2	Screw	
38	2	Clamp	
39	1	Cylindrical pin	

□	<b>Service kit, EPDM.</b>	<b>9611921078</b>
□	<b>Service kit, FPM.</b>	<b>9611921080</b>

Parts marked with □ are included in the Service kits.

*Not manufactured anymore*

Pos	Qty	Denomination	MR-185A	MR-200A
2	1	Cable protection	3143801611	
3	1	Cover	3145800171	
4	1	Packing	3145800181	
5	1	Set screw for earth wirer	9611992035	
6a	2	Screw	221172108	
6b		Washer	9611990752	
7a	1	Compression gland 22.5 mm	3180101544	
7b	1	Packing	3143900491	
8	1	Joint ring, EPDM (std.)	3143801304	
	1	Joint ring, NBR	3143801301	
	1	Joint ring, FPM	3143801305	

**Pump casing with sanitary fittings Connections 76 mm**

9	1	ISO male	3143803931	
	1	SMS	3143803932	
	1	DIN	3143803933	
	1	ISO clamp	3143803934	
	1	BS	3143803935	
11	1	Impeller	3143800341	
12	1	Key	190411	
13	1	Nut	3143800361	
14	3	Handle	9611992407	
15	3	Screw	9611992408	
16	2	Screw	221776714	
17		Shim, 0.1 mm	3143800391	
		Shim, 0.2 mm	3143800381	
18	1	Lining		
19a	4	Front leg	3146012485	
19b	4	Washer	3146001041	
19c	2	Nut	9611991829	
19d	4	Nut	9611991829	
19e	2	Screw	9611991833	
19f	2	Spring washer	9611990676	
19g	2	Washer	9611990706	
20a	1	Back leg	3145800781	
20b	4	Screw	22103013	
20c	1	Mounting plate for leg	3145800791	
21	1	Shroud		
22a	4	Screw	221093823	
22b	4	Washer	9611991831	
23	1	Thrower	3143800451	

Pos	Qty	Denomination
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**Tools (Delivered with every new pump)**

1	Spanner for stationary seal ring	3143803351
1	Key for hexagonal socket screw	42342

Pos	Qty	Denomination	EPDM (std.)	NBR	FPM
24	1	Shaft Seal, Complete	3143802061	3143802062	3143802063
25	1	Spring	3143800571	31438005721	3143800571
26	1	O-ring	26010433	22340651	26010439
27	1	Rotating seal ring	3143800561	3143800561	3143800561
27	1	Stationary seal ring	3143800711	3143800711	3143800711
28	1	O-ring	26010434	22340660	26010419

Pos	Qty	Denomination	MR-185A	MR-200A
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**Older Legs (period -8606)**

29*	1	Back leg	3145800411	
30	4	Screw	22103013	
31	2	Front leg	3143700731	
32**	2	Leg, adjustable	3143700741	
33**	2	Front leg	3145800221	
34	2	Screw	221775905	

\* Can be replaced by 9611921002, complete plast leg

\*\* Can be replaced by 9611921003, complete plast leg

*Not manufactured anymore*

Pos	Qty	Denomination	MR-185A	MR-200A
1	1	Motor, 4 kW 220/380		
	1	Motor, 4 kW 230-260/400-440 V		
	1	Motor, 4 kW 380/660 V		
	1	Motor, 7.5 kW 220/380 V		
	1	Motor, 7.5 kW 230-260/400-440 V		
	1	Motor, 7.5 kW 380/660 V		
<b>Casing cover with sanitary fittings. Connections 76 mm.</b>				
10	1	ISO male	3143803921	3143803941
	1	SMS	3143803922	3143803942
	1	DIN	3143803923	3143803943
	1	ISO clamp	3143803924	3143803944
	1	BS	3143803925	3143803945
<b>Older Parts (period -9103)</b>				
<b>Pump casing with sanitary fittings. Connections 76 mm.</b>				
35	1	ISO male		
	1	SMS		
	1	DIN		
	1	ISO clamp		
	1	BS		
<b>Casing cover with sanitary fittings. Connections 76 mm.</b>				
36	1	ISO male		
	1	SMS		
	1	DIN		
	1	ISO clamp		
	1	BS		
37	2	Clamp screw		
38	2	Screw		
39	2	Clamp		
40	1	Cylindrical pin		

TD900439



Surface roughness, product wetted parts: Ra ≤ 32 μ inch

Pos	Qty	Denomination	MR-166
1	1	Motor 3 Hp	9613601602
2	1	Bracket	9613857001
2a	2	Bracket cover	9612926803
3	1	Shaft	9613421501
4	2	Screw	9612587501
6	1	Bracket set stainless steel	481661
	1	Bracket set carbon steel (standard)	481658
8 ▲	1	O-ring, EPDM (standard)	9611994669
	1	O-ring, FPM	9611994671
9	1	Pump casing, Tri-clamp	9613424001
	1	Pump casing, BS-male	9613424005
10	1	Casing cover, Tri-clamp	9613424101
	1	Casing cover, BS-male	9613424107
11	1	Impeller	9613421803
13	1	Impeller screw	9612362705
14	3	Cap nut	22185115
15	3	Stud bolt	9611992408
15a	3	Washer	9611994417
18 ▲	1	O-ring for impellerscrew, EPDM (standard)	9611994701
	1	O-ring for impellerscrew FPM	9611994703
21	1	Thrower	3145200041
40	2	Screw	9611994414
41	2	Spring washer	9611994417
45	4	Screw	9611994412
46	4	Washer	9611994417

Accessories (delivered with every new pump)

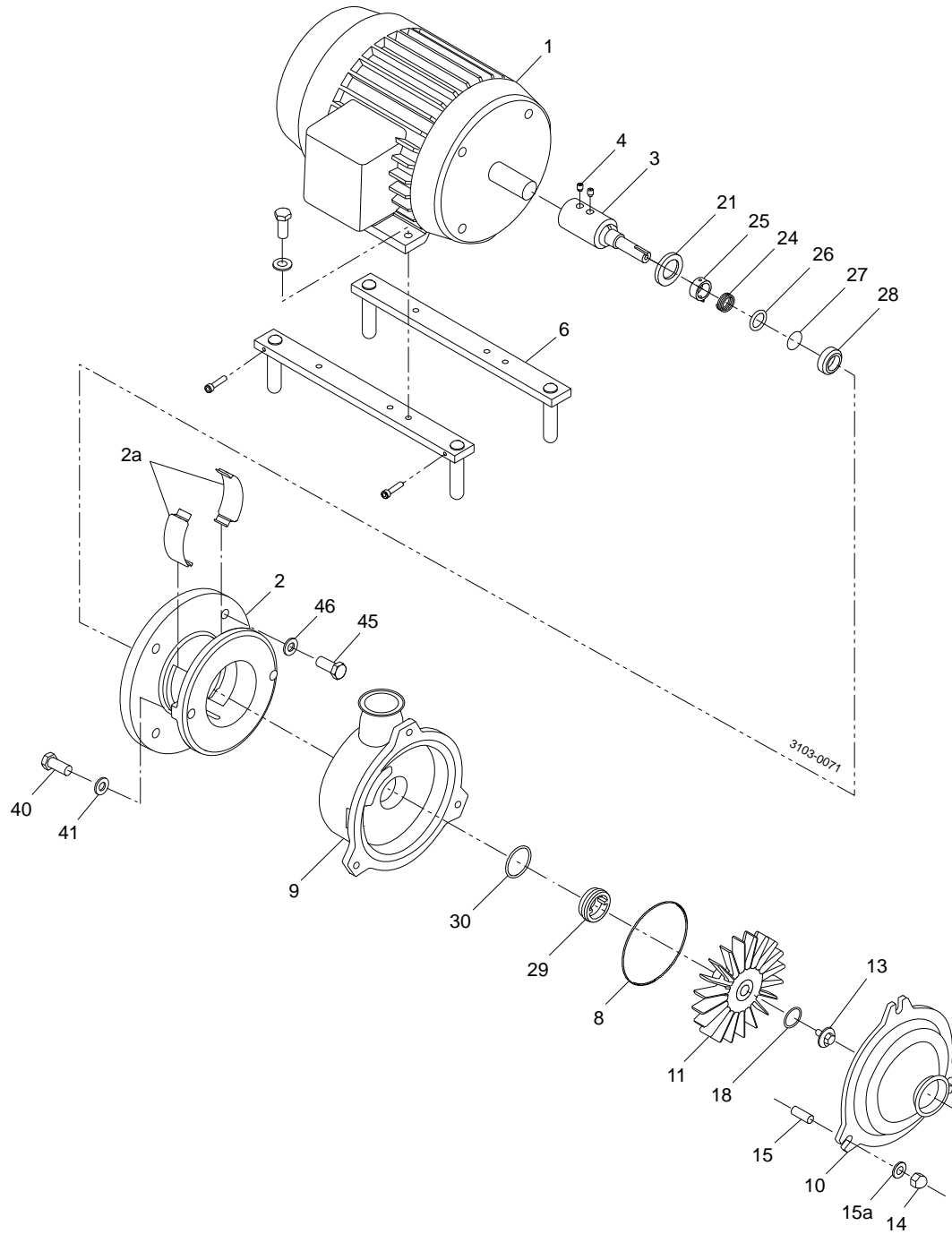
1	Spanner for stationary seal ring	3143803351
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Pos	Qty	Denomination	EPDM C/SS (standard)
▲		Shaft seal, complete	9613423801
24	1	Spring	
25	1	Spacer ring	
26	1	Washer	
27	1	O-ring	
28	1	Rotating seal ring	
29	1	Stationary seal ring	
30	1	O-ring	

Pos	Qty	Denomination	C/SS NBR
▲		Shaft seal, complete	
24	1	Spring	
25	1	Spacer ring	
26	1	Washer	
27	1	O-ring	
28	1	Rotating seal ring	
29	1	Stationary seal ring	
30	1	O-ring	

Pos	Qty	Denomination	C/SS FPM
▲		Shaft seal, complete	9613423803
24	1	Spring	
25	1	Spacer ring	
26	1	Washer	
27	1	O-ring	
28	1	Rotating seal ring	
29	1	Stationary seal ring	
30	1	O-ring	

*Not manufactured anymore*





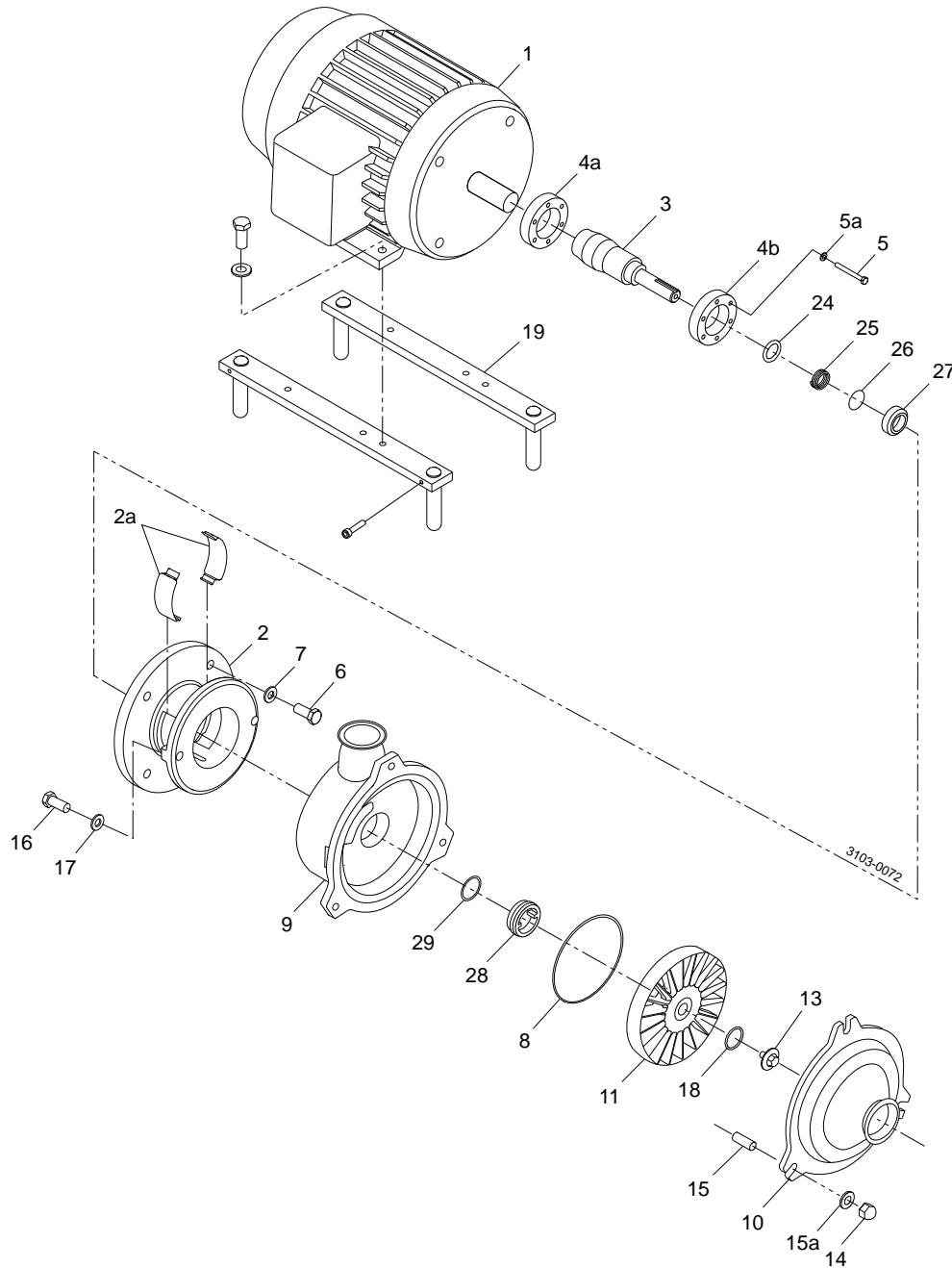
Pos	Qty	Denomination	
Surface roughness, product wetted parts: Ra ≤ 20 μ inch			
9	1	Pump casing, Tri-clamp	9613424003
		Pump casing, BS-male	9613424007
10	1	Casing cover, Tri-clamp	9613424104
		Casing cover, BS-male	9613424110
11	1	Impeller	9613421802
13	1	Impeller screw	9612362706
			<b>C/SS</b>
▲		<b>Service kit, EPDM</b>	<b>9611921946</b>
▲		<b>Service kit, FPM</b>	<b>9611921948</b>

Parts marked with ▲ are included in the Service kits.

Recommended spare parts: Service kits.

(900330/7)

*Not manufactured anymore*



Surface roughness, product wetted parts: Ra ≤ 32 μ inch

Pos	Qty	Denomination	MR-185US	MR-200US
2	1	Bracket	9613857001	9613857101
2a	2	Bracket cover	9612916803	9612916803
3	1	Shaft	9613422101	9613422201
4a	1	Compression ring	9612133706	9612133703
4b	1	Compression ring	9612133606	9612133603
5	6	Screw	9611993197	9611993198
5a	6	Washer	9611993199	9611993199
6	4	Screw	9611994413	9611994414
7	4	Washer	9611994417	9611994417
8	▲ <sup>⊙</sup>	1 O-ring, EPDM (standard)	9611994672	9611994672
		1 O-ring, FPM	9611994674	9611994674
9	1	Pump casing, Tri-clamp	9613424002	9613424002
	1	Pump casing, BS-male	9613424006	9613424006
10	1	Casing cover, MR-185, Tri-clamp	9613424102	
	1	Casing cover, MR-185, BS-male	9613424108	
	1	Casing cover, MR-200, Tri-clamp		9613424103
	1	Casing cover, MR-200, BS-male		9613424109
11	1	Impeller	9613422603	9613422603
13	1	Impeller screw	9612139603	9612139603
14	3	Cap nut	22185115	22185115
15	3	Stud bolt	9611992408	9611992408
15a	3	Washer	9611994417	9611994417
16	2	Screw	9611994414	9611994414
17	2	Washer	9611994417	9611994417
24	1	Thrower	3143800451	3143800451
18	▲ <sup>⊙</sup>	1 O-ring for impellerscrew, EPDM (standard)	9611994689	9611994689
		O-ring for impellerscrew, FPM	9611994711	9611994711
19	1	Bracket set, stainless steel	481663	481665
	1	Bracket set, carbon steel (standard)	481662	481664

Accessories (delivered with every new pump)

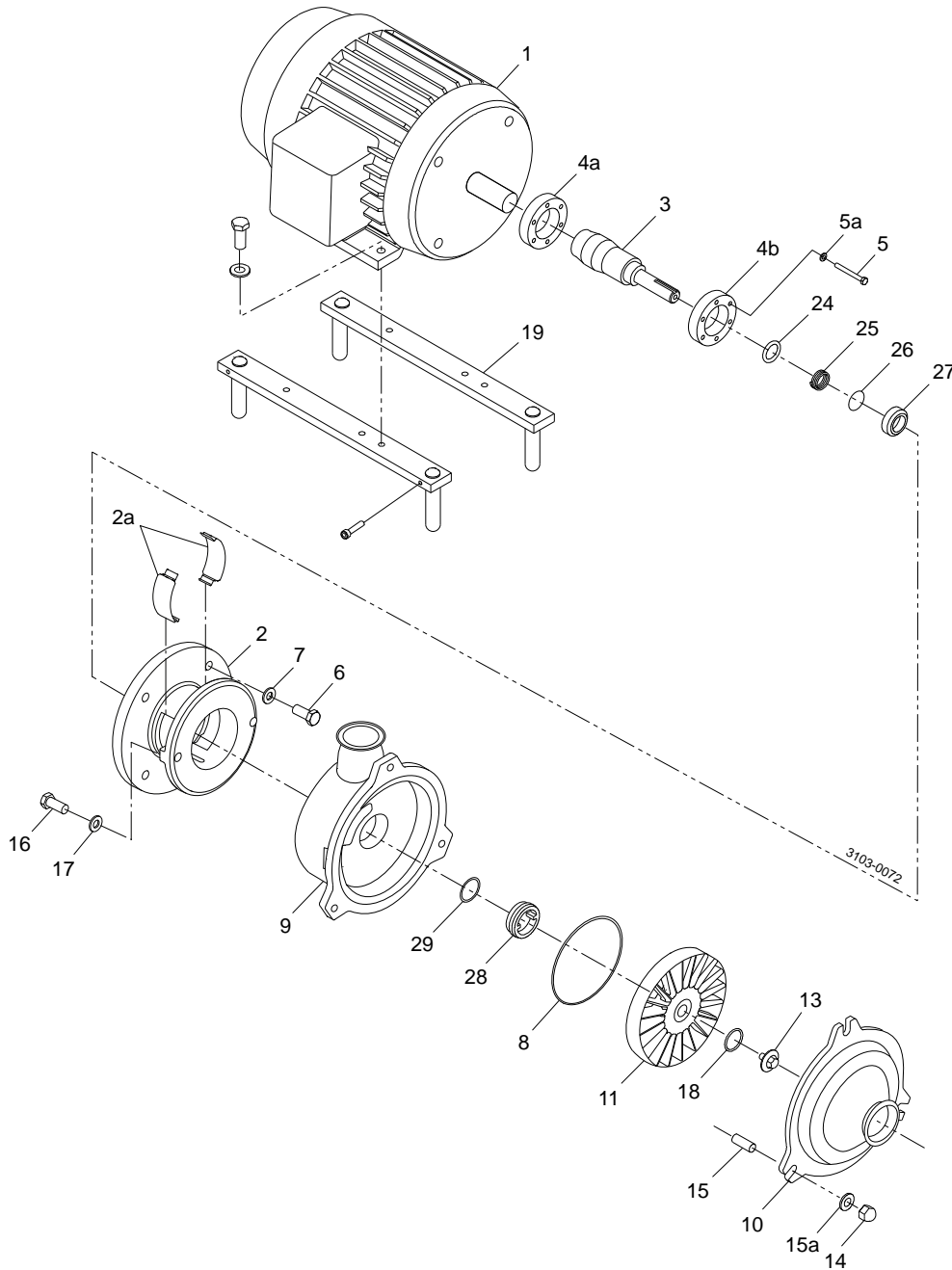
	1	Spanner for stationary seal ring	3143803351	
1	1	Motor, 7.5Hp	9613601609	
	1	Motor, 15Hp		9613601616

Pos	Qty	Denomination	EPDM C/SS (standard)
▲		Shaft seal, complete	9613423901
25	1	Spring	
26	1	O-ring	
27	1	Rotating seal ring	
28	1	Stationary seal ring	
29	1	O-ring	

Pos	Qty	Denomination	NBR C/SS
▲		Shaft seal, complete	
25	1	Spring	
26	1	O-ring	
27	1	Rotating seal ring	
28	1	Stationary seal ring	
29	1	O-ring	

Pos	Qty	Denomination	FPM C/SS
▲		Shaft seal, complete	9613423906
25	1	Spring	
26	1	O-ring	
27	1	Rotating seal ring	
28	1	Stationary seal ring	
29	1	O-ring	

*Not manufactured anymore*



Pos	Qty	Denomination	EPDM SIC/SIC
Alternatives			
⊙		Shaft seal, complete	9613423904
25	1	Spring	
26	1	O-ring	
27	1	Rotating seal ring SIC	
28	1	Stationary seal ring SIC	
29	1	O-ring	

Pos	Qty	Denomination	NBR SIC/SIC
⊙		Shaft seal, complete	
25	1	Spring	
26	1	O-ring	
27	1	Rotating seal ring SIC	
28	1	Stationary seal ring SIC	
29	1	O-ring	

Pos	Qty	Denomination	FPM SIC/SIC
⊙		Shaft seal, complete	9613423906
25	1	Spring	
26	1	O-ring	
27	1	Rotating seal ring SIC	
28	1	Stationary seal ring SIC	
29	1	O-ring	

Pos	Qty	Denomination	
Surface roughness, product wetted parts: Ra ≤ 20 μ inch			
9	1	Pump casing, Tri-clamp	9613424004
		Pump casing, BS-male	9613424008
10	1	Casing cover MR-185, Tri-clamp	9613424105
		Casing cover MR-185, BS-male	9613424111
	1	Casing cover MR-200, Tri-clamp	9613424106
		Casing cover MR-200, BS-male	9613424112
11	1	Impeller	9613422602
13	1	Impeller screw	9612139609

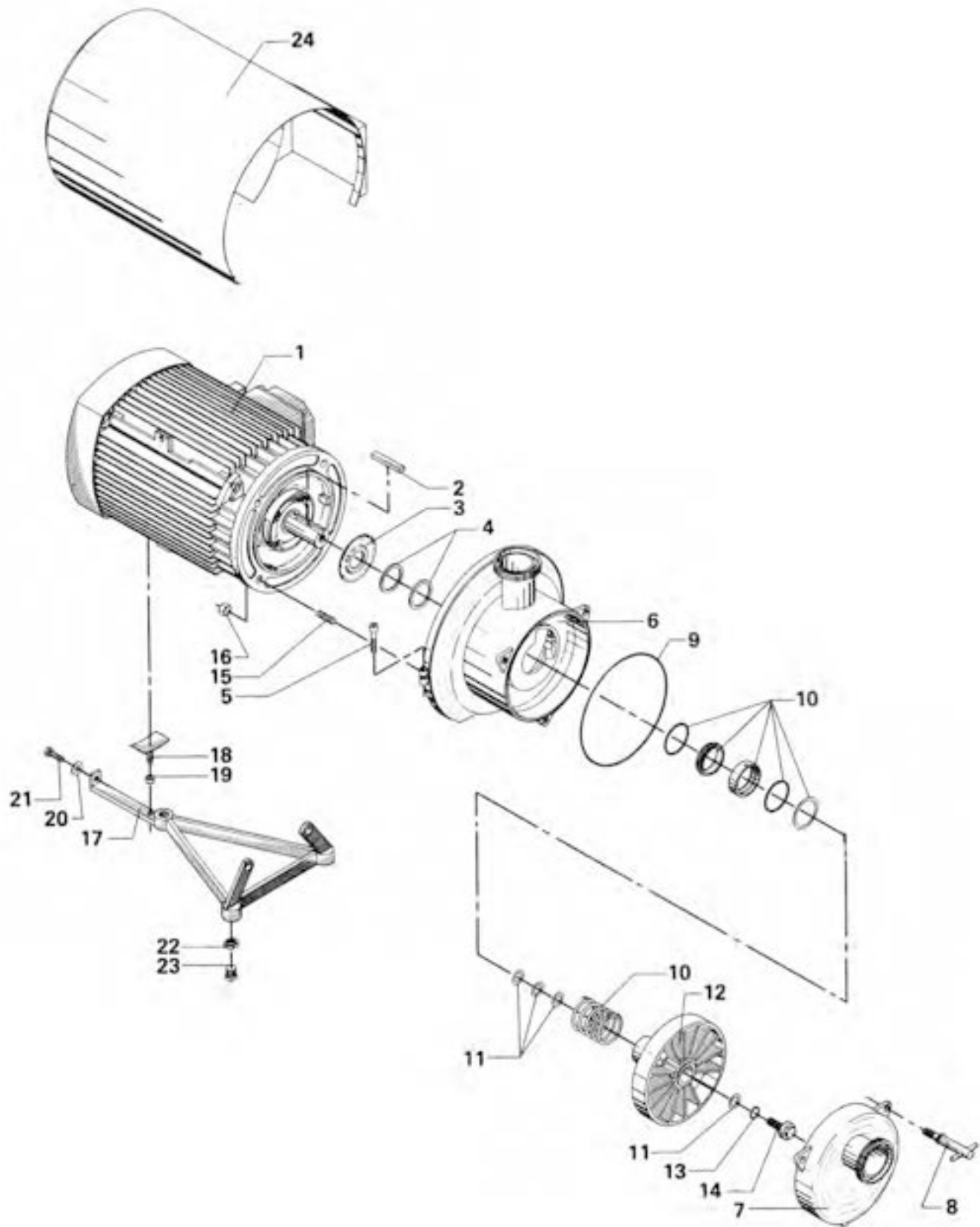
		C/SS	SIC/SIC
▲⊙	Service kit, EPDM	9611921949	9611921952
▲⊙	Service kit, FPM	9611921951	9611921954

Parts marked with ▲⊙ are included in the Service kits.

Recommended spare parts: Service kits.

(900331/9)

*Not manufactured anymore*



Pos	Qty	Denomination	15 kW	18.5 kW
1	1	Motor, 220/380 V		
	1	Motor, 380/660 V		
	1	Motor, 415 V		
2	1	Key		
3	1	Thrower		
4	1	Packing set of 3 pieces		
5	1	Allen screw	9611991222	9611991222

**Pump casing, 76.2 mm outlet + fittings**

6	1	Pump casing, ISO male		
	1	Pump casing, SMS		
	1	Pump casing, DIN		
	1	Pump casing, ISO clamp		
	1	Pump casing, BS		

**Cover, 76.2 mm inlet + fittings**

7	1	Cover, ISO male		
	1	Cover, SMS		
	1	Cover, DIN		
	1	Cover, ISO clamp		
	1	Cover, BS		
8	3	Clamp screw		
9	1	O-ring for cover		

**Shaft seal, complete**

10	1	EPDM, standard	3143803001	3143803001
	1	NBR	3143803002	3143803002
	1	FPM	3143803003	3143803003
11	1	Shims set of 4 pieces		
12	1	Impeller		
13	1	O-ring for impeller		
14	1	Impeller screw		
15	4	Stud		
16	4	Nut		

**Leg**

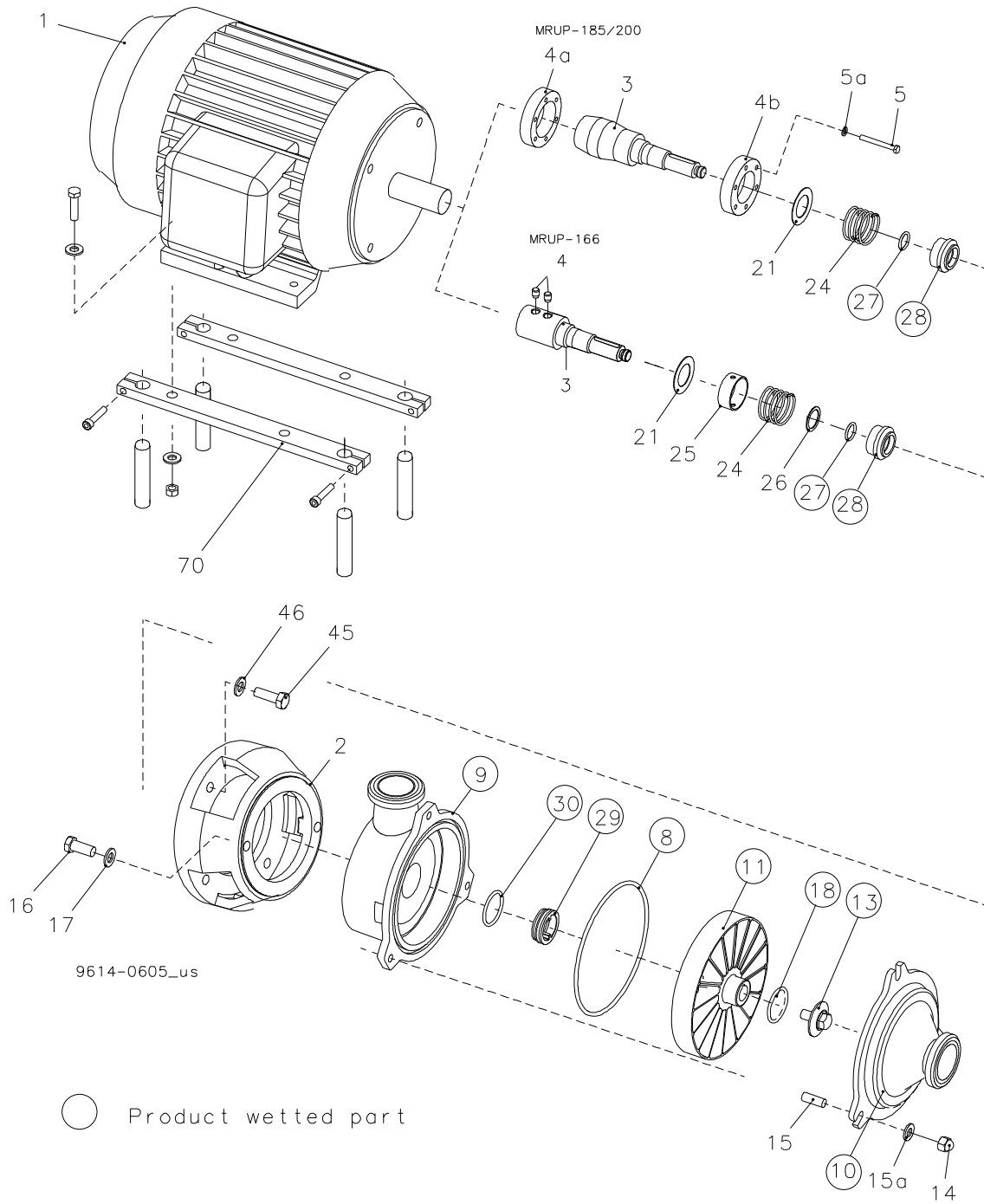
17	1	Leg bracket		
18	1	Motor retainer		
19	1	Nut		
20	1	Disk		
21	1	Screw		
22	3	Lock nut		
23	3	Support		
24	4	Shroud for motor		
		Dismounting screw for impeller		

Recommended spare parts: pos. 9, 13 and complete shaft seal.



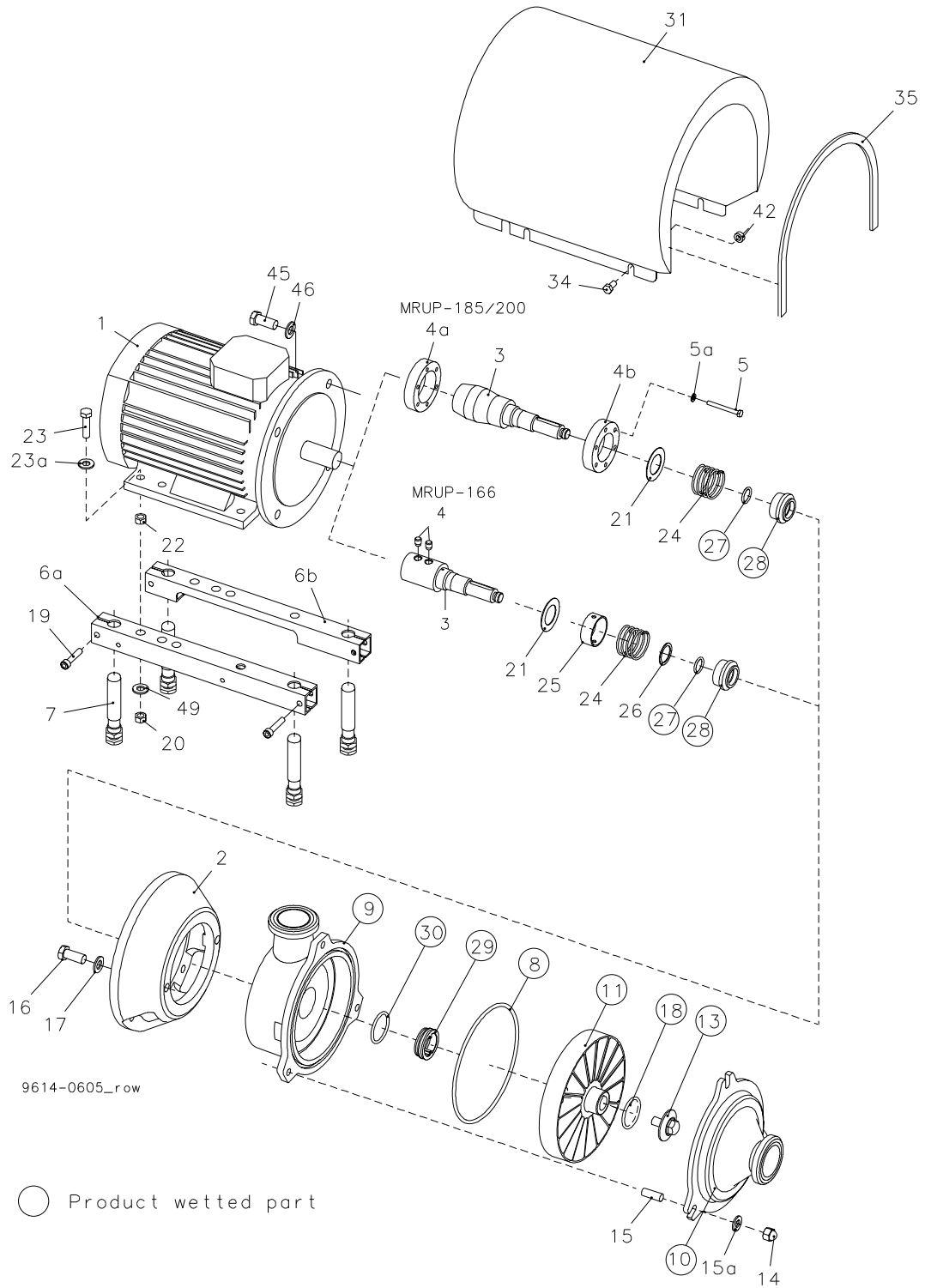


Pos	Qty	Denomination	MRUP-166	MRUP-185	MRUP-200
8	1	O-ring, , EPDM (Standard)			
	1	O-ring, FPM			
9	1	Casing compl., 1/2" drain, Ra 0.8 - Tri clamp	9614031201	9614031202	9614031202
	1	Casing compl., 1/2" drain, Ra 0.8 - ISO-clamp 2037	9614031205	9614031206	9614031206
	1	Casing compl., 1/2" drain, Ra 0.8 - ISO-clamp 1127	9614031209	9614031210	9614031210
	1	Casing compl., 1/2" drain, Ra 0.5 - Tri clamp	9614031213	9614031214	9614031214
	1	Casing compl., 1/2" drain 0.5 - ISO-clamp 2037	9614031217	9614031218	9614031218
	1	Casing compl., 1/2" drain 0.5 - ISO-clamp 1127	9614031221	9614031222	9614031222
	1	Casing compl., 1/2" drain, Ra 0.4 Electropolished - Tri clamp	9614031225	9614031226	9614031226
	1	Casing compl., 1/2" drain, Ra 0.4 Electropol. - ISO-clamp 2037	9614031229	9614031230	9614031230
	1	Casing compl., 1/2" drain, Ra 0.4 Electropol. - ISO-clamp 1127	9614031233	9614031234	9614031234
	1	Casing compl., 3/4" drain, Ra 0.8 - Tri clamp	9614031203	9614031204	9614031204
	1	Casing compl., 3/4" drain, Ra 0.8 - ISO-clamp 2037	9614031207	9614031208	9614031208
	1	Casing compl., 3/4" drain, Ra 0.8 - ISO-clamp 1127	9614031211	9614031212	9614031212
	1	Casing compl., 3/4" drain, Ra 0.5 - Tri clamp	9614031215	9614031216	9614031216
	1	Casing compl., 3/4" drain, Ra 0.5 - ISO-clamp 2037	9614031219	9614031220	9614031220
	1	Casing compl., 3/4" drain, Ra 0.5 - ISO-clamp 1127	9614031223	9614031224	9614031224
	1	Casing compl., 3/4" drain, Ra 0.4 Electropolished - Tri clamp	9614031227	9614031228	9614031228
	1	Casing compl., 3/4" drain, Ra 0.4 Electropol. - ISO-clamp 2037	9614031231	9614031232	9614031232
	1	Casing compl., 3/4" drain, Ra 0.4 Electropol. - ISO-clamp 1127	9614031235	9614031236	9614031236
	1	Casing compl., Without drain, Ra 0.8 - Tri clamp	9614031401	9614031402	9614031402
	1	Casing compl., Without drain, Ra 0.8 - ISO-clamp 2037	9614031403	9614031404	9614031404
	1	Casing compl., Without drain, Ra 0.8 - ISO-clamp 1127	9614031405	9614031406	9614031406
	1	Casing compl., without drain, Ra 0.5 - Tri clamp	9614031407	9614031408	9614031408
	1	Casing compl., without drain, Ra 0.5 - ISO-clamp 2037	9614031409	9614031410	9614031410
	1	Casing compl., without drain, Ra 0.5 - ISO-clamp 1127	9614031411	9614031412	9614031412
	1	Casing compl., Without drain, Ra 0.4 Electropolished - Tri clamp	9614031413	9614031414	9614031414
	1	Casing compl., WO drain, Ra 0.4 Electropol.- ISO-clamp 2037	9614031415	9614031416	9614031416
	1	Casing compl., WO drain, Ra 0.4 Electropol.- ISO-clamp 1127	9614031417	9614031418	9614031418
10	1	Cover compl., Ra 0.8 - Tri clamp	9614031101	9614031102	9614031103
	1	Cover compl.,Ra 0.8 - ISO-clamp 2037	9614031104	9614031105	9614031106
	1	Cover compl.,Ra 0.8 - ISO-clamp 1127	9614031107	9614031108	9614031109
	1	Cover compl., Ra 0.5 - Tri clamp	9614031110	9614031111	9614031112
	1	Cover compl., Ra 0.5 - ISO-clamp 2037	9614031113	9614031114	9614031115
	1	Cover compl., Ra 0.5 - ISO-clamp 1127	9614031116	9614031117	9614031118
	1	Cover compl., Ra 0.4 Electropolished - Tri clamp	9614031119	9614031120	9614031121
	1	Cover compl., Ra 0.4 Electropolished - ISO-clamp 2037	9614031122	9614031123	9614031124
	1	Cover compl., Ra 0.4 Electropolished - ISO-clamp 1127	9614031125	9614031126	9614031127
11	1	Impeller, Ra 0.8	9613421805	9613422605	9613422605
	1	Impeller, Ra 0.5	9613421804	9613422604	9613422604
	1	Impeller, Ra 0.4 Electropolished	9613421806	9613422606	9613422606
13	1	Impeller screw, Ra 0.8	9612362711	9612139611	9612139611
	1	Impeller screw, Ra 0.5	9612362712	9612139609	9612139609
	1	Impeller screw, Ra 0.4 Electropolished	9612362713	9612139610	9612139610
14	3	Cap nut	22185115	22185115	22185115
15	3	Stud bolt	9611992408	9611992408	9611992408
15a	3	Washer	9611990706	9611990706	9611990706
18	1	O-ring for impellerscew, EPDM (standard)			
	1	O-ring for impellerscew, FPM			

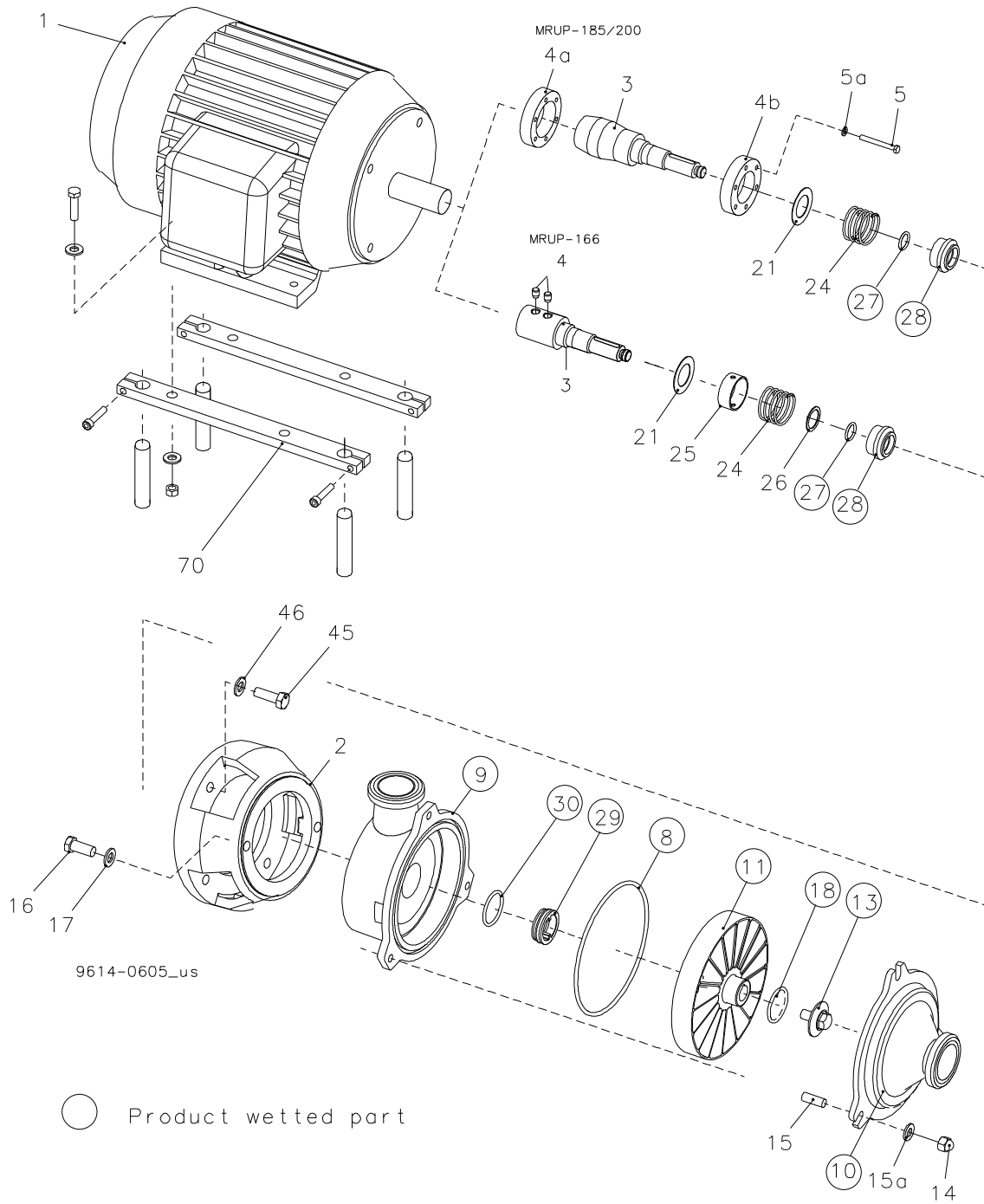


Pos	Qty	Denomination	MRUP-166	MRUP-185	MRUP-200
			3 Hp In-/outlet 2-2"	7.5 Hp In-/outlet 3-2½"	15 Hp In-/outlet 3-2½"
8	1	O-ring, EPDM (Standard)			
	1	O-ring, FPM			
9	1	Casing compl., 1/2" drain Ra 32 - Tri-clamp	9614031201	9614031202	9614031202
	1	Casing compl., 1/2" drain Ra 20 - Tri-clamp	9614031213	9614031214	9614031214
	1	Casing compl., 1/2" drain Ra 20 Electropolished - Tri-clamp	9614031225	9614031226	9614031226
	1	Casing compl., 3/4" drain Ra 32 - Tri-clamp	9614031203	9614031204	9614031204
	1	Casing compl., 3/4" drain Ra 20 - Tri-clamp	9614031215	9614031216	9614031216
	1	Casing compl., 3/4" drain Ra 20 Electropolished - Tri-clamp	9614031227	9614031228	9614031228
	1	Casing compl., Without drain Ra 32 - Tri-clamp	9614031401	9614031402	9614031402
	1	Casing compl., without drain Ra 20 - Tri-clamp	9614031407	9614031408	9614031408
	1	Casing compl., Without drain Ra 20 Electropolished - Tri-clamp	9614031413	9614031414	9614031414
10	1	Cover compl., Ra 32 - Tri-clamp	9614031101	9614031102	9614031103
	1	Cover compl., Ra 20 - Tri-clamp	9614031110	9614031111	9614031112
	1	Cover compl., Ra 20 Electropolished - Tri-clamp	9614031119	9614031120	9614031121
11	1	Impeller, 32 Ra	9613421805	9613422605	9613422605
	1	Impeller, 20 Ra	9613421804	9613422604	9613422604
13	1	Impeller screw, 32 Ra	9612362711	9612139611	9612139611
	1	Impeller screw, 20 Ra	9612362712	9612139609	9612139609
	1	Impellerscrew, 20 Ra electropolished	9612362713	9612139610	9612139610
14	3	Cap nut	22185115	22185115	22185115
15	3	Stud bolt	9612363504	9611992408	9611992408
15a	3	Washer	9611990706	9611990706	9611990706
18	1	O-ring for impellerscew, EPDM (standard)			
	1	O-ring for impellerscew, FPM			
	1	Spanner for stationary seal ring	3143803351	3143803351	3143803351

*Not manufactured anymore*

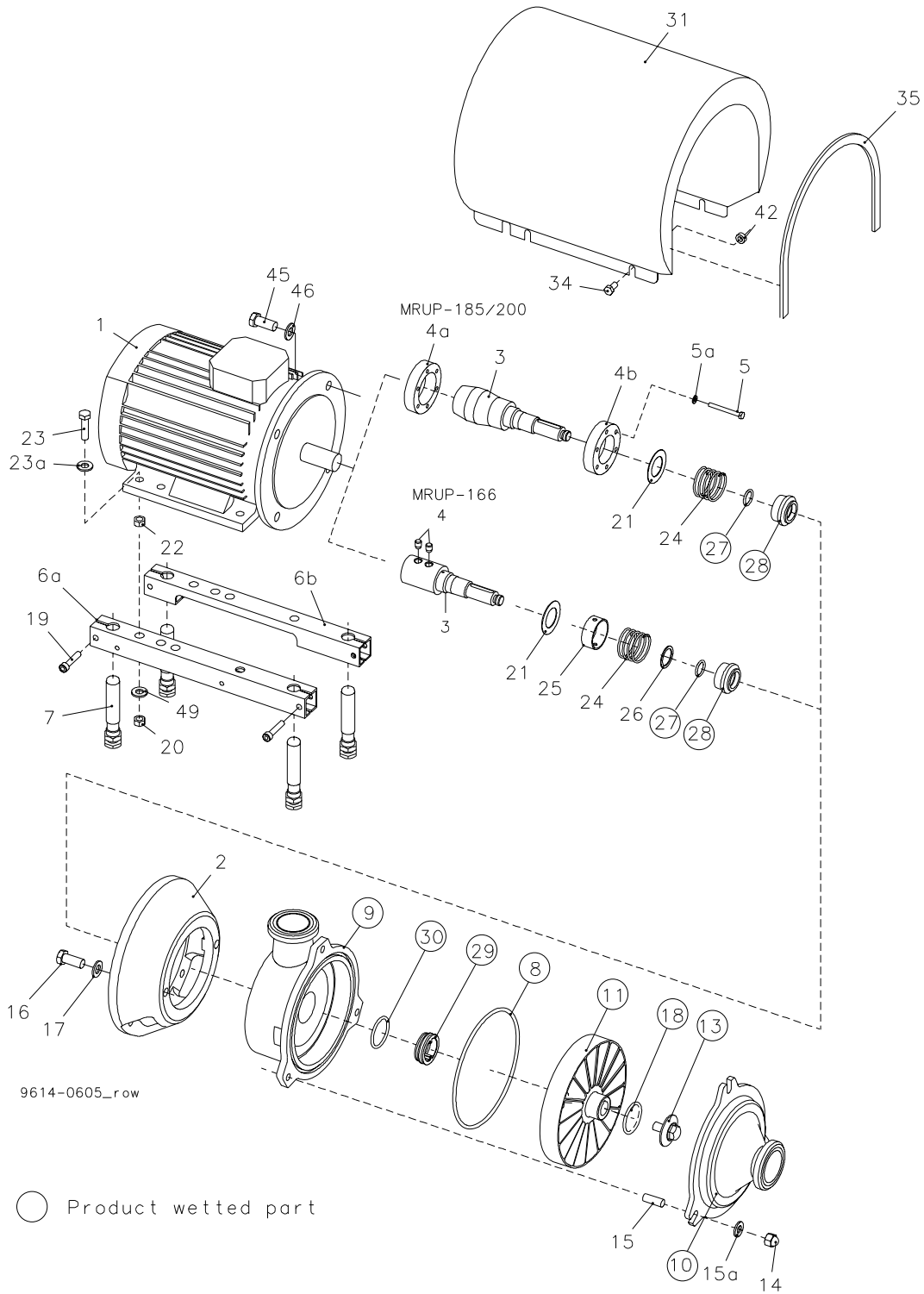


Pos	Qty	Denomination	MRUP-166	MRUP-185	MRUP-200
			2.2 kW In-/Outlet 2-2"	5.5 kW In-/Outlet 3-2½"	7.5 kW In-/Outlet 3-2½"
1	1	Motor IEC100, 2.2 kW 220-240V, 1500 rpm	9612431325		
	1	Motor IEC100, 2.2 kW 380-420V, 1500 rpm	9612431326		
	1	M2AA motor, 5.5 kW 220-240/380-420VΔ, 1500 rpm		9612402821	
	1	M2AA motor, 5.5 kW 380-420/660 VΔ, 1500 rpm		9612402823	
	1	M2AA motor, 7.5 kW 220-240/380-420VΔ, 1500 rpm			9612402835
	1	M2AA motor, 7.5 kW 380-420/660 VΔ, 1500 rpm			9612402837
	1	M2AA motor high output, 11 kW 220-240/380-420VΔ, 1500 rpm			9612457528
	1	M2AA motor high output, 11 kW 380-420/660 VΔ, 1500rpm			9612457527
2	1	Bracket		3143802341	3143802341
3	1	Shaft	9614022301	9614022501	9614022501
4	2	Screw	9612587502		
4a	1	Compression ring		9612133705	9612133705
4b	1	Compression ring		9612133605	9612133605
5	6	Screw		9611993197	9611993197
5a	6	Washer		9611993199	9611993199
6a	1	Support bar, right	9612132205	9612132206	9612132206
6b	1	Support bar, left	9612132305	9612132306	9612132306
7	4	Leg	9612396701	9612396701	9612396701
16	2	Screw	221094716	221094716	221094716
17	2	Washer		22310722	22310722
19	4	Screw	9611991126	9611991126	9611991126
20	4	Nut	9611990353	9611990353	9611990353
21	4	Thrower	3145200041	3143800451	3143800451
22	4	Nut	9611990587		
23	4	Screw	9611991374	9611991911	9611991911
23a	4	Washer	9611990786	9611990786	9611990786
45	4	Screw	9611991217	9611991825	9611991825
46	4	Washer	9611990676	9611990676	9611990676
49	4	Spring washer	9611991887	9611991887	9611991887
<b>Option</b>					
31	1	Shroud	9612139002	9612139008	9612139008
34	4	Screw	9611993240	9611993240	9611993240
35	1	Edge list, (included in pos.31)			
42	4	Distance sleeve		9611992737	9611992737



Pos	Qty	Denomination	MRUP-166	MRUP-185	MRUP-200
1	1	Motor, 3 Hp, 1800 rpm	9613601602		
	1	Motor, 7.5Hp, 1800 rpm		9613601609	
	1	Motor, 15Hp, 1800 rpm			9613601616
2	1	adaptor	9612368901	9612368901	9612369001
3	1	Shaft	9613421501	9613422101	9613422201
4	2	Screw	9612587501		
4a	1	Compression ring		9612133706	9612133703
4b	1	Compression ring		9612133606	9612133603
5	6	Screw		9611993197	9611993198
5a	6	Washer		9611993199	9611993199
16	2	Screw	9611994414	9611994414	9611994414
17	2	Spring washer	9611994417	22310722	22310722
21	4	Thrower	3145200041	3143800451	3143800451
45	4	Screw	9611994412	9611994413	9611994414
46	4	Washer	9611994417	9611994417	9611994417
70	1	Bracket set , stainless steel	481661	481663	481665
	1	Bracket set, carbon steel (standard)	481658	481662	481664

*Not manufactured anymore*



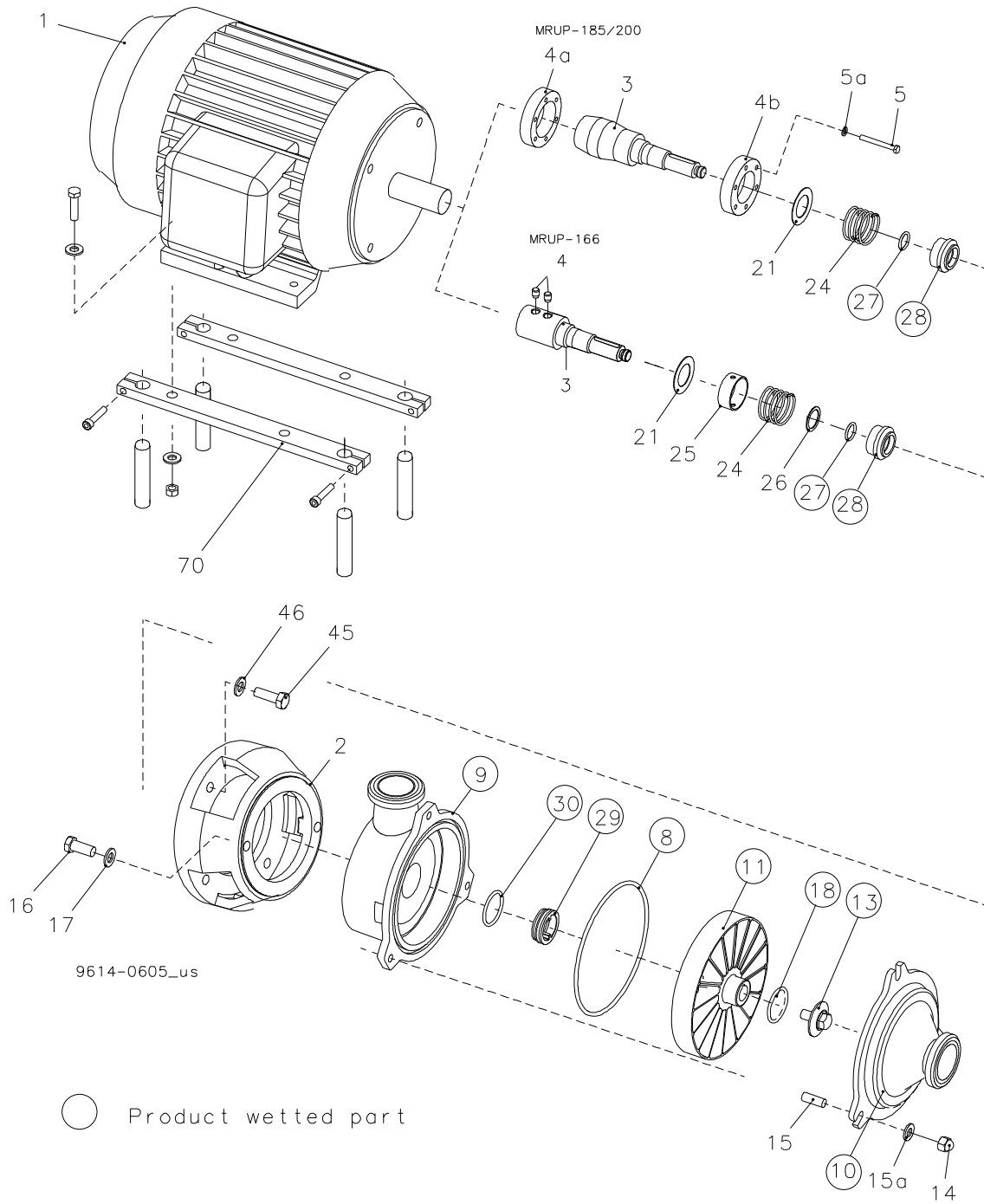


Pos	Qty	Denomination	MRUP-166	MRUP-185	MRUP-200
<b>Shaft seal, complete, EPDM SIC/SIC</b>					
24	□	1 Spring			
25	□	1 Spacer ring			
26	□	1 Washer			
27	□	1 O-ring			
28	□	1 Rotating seal ring			
29	□	1 Stationary seal ring			
30	□	1 O-ring			
<b>Shaft seal, complete, FPM SIC/SIC</b>					
24	◆	1 Spring			
25	◆	1 Spacer ring			
26	◆	1 Washer			
27	◆	1 O-ring			
28	◆	1 Rotating seal ring			
29	◆	1 Stationary seal ring			
30	◆	1 O-ring			
	1	Spanner for stationary seal ring	3143803351		
			<b>MRUP-166</b>	<b>MRUP-185</b>	<b>MRUP-200</b>
□		<b>Service kit, EPDM SIC/SIC</b>	<b>9611927097</b>	<b>9611927099</b>	<b>9611927099</b>
◆		<b>Service kit, FPM SIC/SIC</b>	<b>9611927098</b>	<b>9611927100</b>	<b>9611927100</b>

Parts marked with □◆ are included in the Service kits.

Recommended spare parts: Service kits.

900587/1



Pos	Qty	Denomination	MRUP-166	MRUP-185	MRUP-200
<b>Shaft seal, complete, EPDM SiC/SiC</b>					
24	□	1 Spring			
25	□	1 Spacer ring (Only MRUP-166)			
26	□	1 Washer (Only MRUP-166)			
27	□	1 O-ring			
28	□	1 Rotating seal ring			
29	□	1 Stationary seal ring			
30	□	1 O-ring			
<b>Shaft seal, complete, FPM SiC/SiC</b>					
24	◆	1 Spring			
25	◆	1 Spacer ring			
26	◆	1 Washer			
27	◆	1 O-ring			
28	◆	1 Rotating seal ring			
29	◆	1 Stationary seal ring			
30	◆	1 O-ring			
		1 Spanner for stationary seal ring	3143803351	3143803351	3143803351
			<b>MRUP-166</b>	<b>MRUP-185</b>	<b>MRUP-200</b>
□		<b>Service kit, EPDM SiC/SiC</b>	<b>9611927097</b>	<b>9611927099</b>	<b>9611927099</b>
◆		<b>Service kit, FPM SiC/SiC</b>	<b>9611927098</b>	<b>9611927100</b>	<b>9611927100</b>

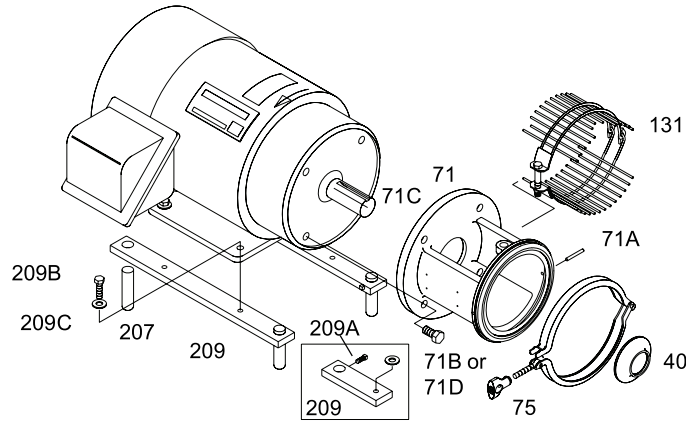
Parts marked with □◆ are included in the Service kits.

Recommended spare parts: Service kits.

900588/2

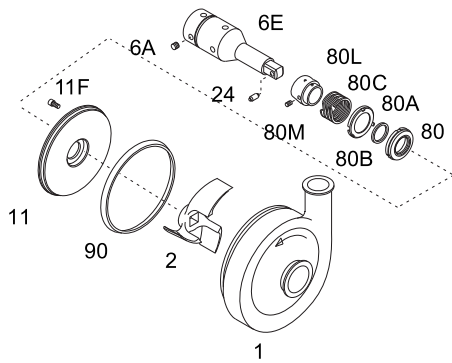
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**For All C Series Pumps**

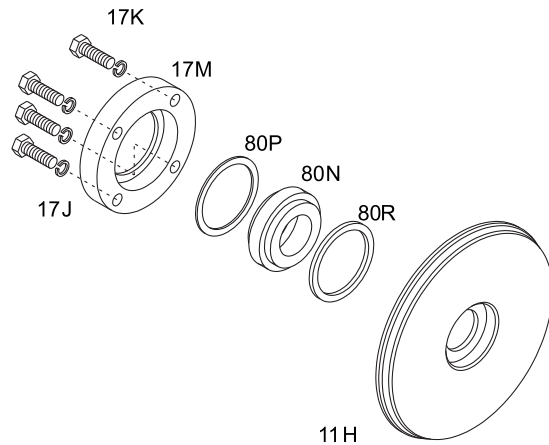


Note: Depending on type of frame, some older models C114 and 216 with type E seals require a special adapter #71C, and longer mounting screws, #71D

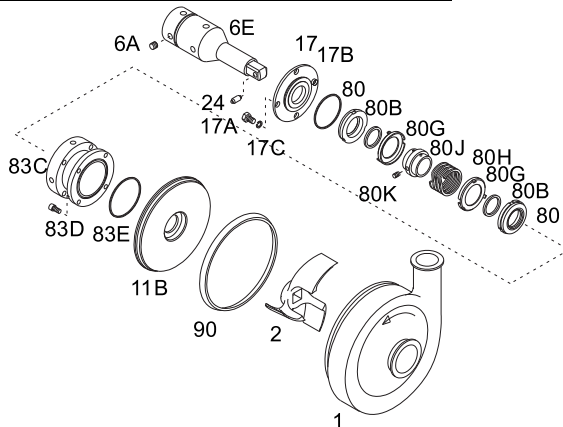
**Floating Retainer with Type D or F External Balanced Seal**



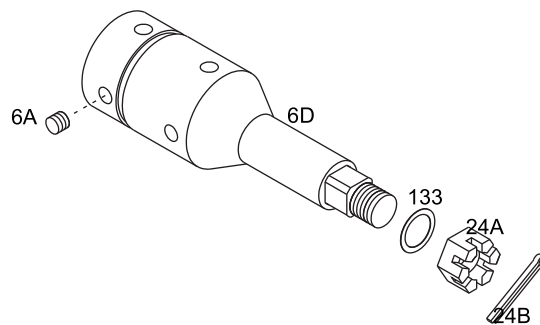
**Additional type "DG: Clamped-in Seal Seat Components (For use with type D seal)**



**Floating Retainer with Type E Water Cooled Balanced Double Seal**



**Threaded Shaft and Castellated Nut Retainer system for Use with Type D, F or E seals**



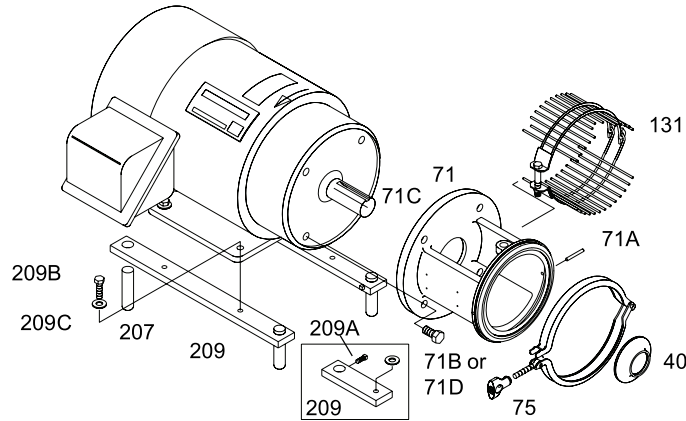
Pos	Qty	Denomination	C114	C216	C218	C326	C4410
1	1	Casing (Tri-Clamp) Sanitary	482815	483122	483755	483841	487978
2	1	Impeller	482810	483113	483723	483814	488031
11	1	Backplate	482891	483262	483920	483920	482143
11B	1	Backplate (E Balanced)	482268	482272	482277	482277	Not available
11F	2	Backplate Pin	483263	483263	483263	483263	189972
11H□	1	Backplate (DG Seat)	480274	480174	480043FH	480043FH	482144
17	1	Follower	481811	482275	481211	481211	482289
17A	4	Machine Screw	180142	189773	189773	189773	189773
17B	1	O-ring	755469	751064	751297	751297	755471
17C□	4	Lockwasher (DG Seat)	Not available	189962	189962	189962	189962
17J□	1	Gland Ring (DG Seat)	480275	480176	480050	480050	482145
17K□	4	Bolt / Screw (DG Seat)	180126	189849	180191	180191	180191
17M	4	Lockwasher	189985	189962	189962	189962	189962
24 ♦	1	Impeller Retainer	482856	483441	484101	484101	480293
24A	1	Castellated Nut (Impeller)	481039	480912	480914	480914	480914
24B	1	Cotter Pin (Impeller)	480427	480427	480424	755139	755139
71A	2	Adapter Pin	483396	483396	483396	483396	488079
75	1	Clamp Assembly Complete	481488	482258	480285	480285	Not available
75J	1	Eye Bolt	480005	480005	480005	480005	Not available
75K	1	Wing Nut	610795	610795	610795	610795	Not available
80 ♦○*	1	Carbon Seal	480739	480510	480525	480525	482292
80A ♦○*	1	Cup	482866	483601	484362	484362	402429
80B ♦○*	1	O-ring (Seal) Buna	299060	300552	480479	480479	755368
♦○*	1	O-ring (Seal) EPDM	290213	300027	480226	480226	751603
♦○*	1	O-ring (Seal) SFY	290161	300064	480656	480656	751029
80C ♦*	1	Spring	482867	483602	484363	484363	402430
80G○	2	Cup (E Balanced)	481327	481333	481209	481209	482291
80H	1	Spring (E Balanced)	481324	481334	481210	481210	482294
80J	1	Drive Collar (E Balanced)	481270	481271	481212	481212	482290
80K	1	Set Screw (E Balanced)	189838	189819	189819	189819	189819
80L	1	Drive Collar	480988	481628	480864	480864	180662
80M	2	Set Screw	189815	189840	189840	189840	189840
80N♦	1	Type DG Seal Seat TC	480470	480477	480466	480466	480509
♦	1	Type DG Seal Seat Ceramic	480351	480111	480238	480238	480242
♦	1	Type DG Seal Seat SC	481518	481519	481470	481470	482146
80P♦♦	1	Gasket Outboard PTFE	481520	481521	481522	481522	482147
80R♦♦	1	Gasket Inboard PTFE	482807	482808	482809	482809	482811
83C	1	Stuffing Box (E Balanced)	Not available	Not available	Not available	Not available	Not available
83D	1	Machine Screw	180419	180142	180705	180705	180705
83E	1	O-ring Buna	751064	755489	755528	755528	755528
	1	O-ring EPDM	751538	750081	750575	750575	750575
	1	O-Ring FPM SFY	751305	750740	751306	751306	751306
90 ♦○*	1	Casing Gasket Buna	482737	483195	484083	484083	488389
♦○*	1	Casing Gasket EPDM	480109	480096	480232	480232	480729
♦○*	1	Casing Gasket SFY	480633	480201	480575	480575	480861
133A	1	Washer (Impeller).005	481240	481243	481246	481246	481246
133B	1	Washer (Impeller).010	481241	481244	481247	481247	481247
*		Included in D Balanced Service Kits					
○		Included in E Balanced Service Kits					
♦		Included in DG Service Kits					
□		Included in DG Conversion Kits (D to DG)					

Parts marked with □♦○\* are included in the service kits.

		C114	C216	C218/C328	C4410
*	BUNA	9613990013	9613990016	9613990019	9613990022
*	EPDM	9613990014	9613990017	9613990020	9613990023
*	SFY	9613990015	9613990018	9613990021	9613990024
○	BUNA	9613990001	9613990004	9613990007	9613990010
○	EPDM	9613990002	9613990005	9613990008	9613990011
○	SFY	9613990003	9613990006	9613990009	9613990012
♦	Buna SC stat.	482207	482208	482211	9613990474
♦	EPDM SC stat.	9613990454	9613990461	9634600055	9613990475
♦	SFY SC stat.	482212	482214	482215	9613990476
♦	Buna CER stat.	9613990455	9613990462	9613990468	9613990477
♦	SFY CER stat.	9613990457	9613990464	9613990470	9613990479
♦	Buna TC stat.	9613990458	9613990465	9613990471	9613990480
♦	EPDM TC stat.	9613990459	9613990466	9613990472	9613990481
♦	SFY TC stat.	9613990460	9613990467	9613990473	9613990482
□	SC Stationary Conversion Kit	482122	482123	482124	

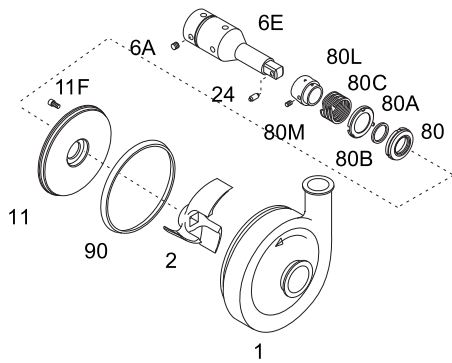
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**For All C Series Pumps**

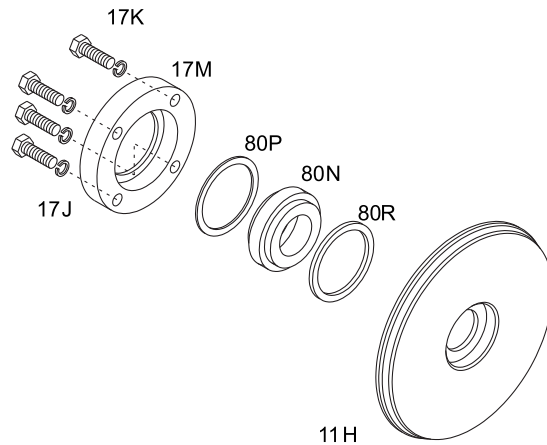


Note: Depending on type of frame, some older models C114 and 216 with type E seals require a special adapter #71C, and longer mounting screws, #71D

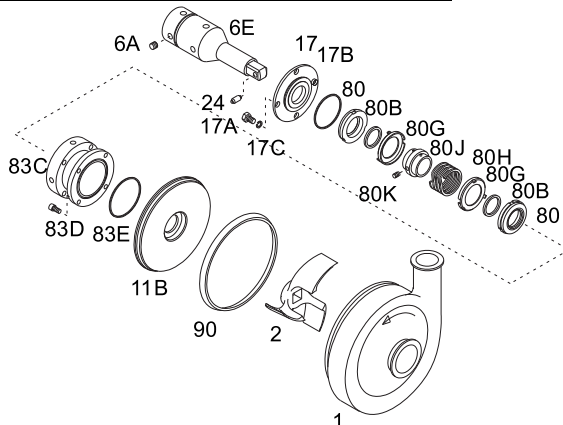
**Floating Retainer with Type D or F External Balanced Seal**



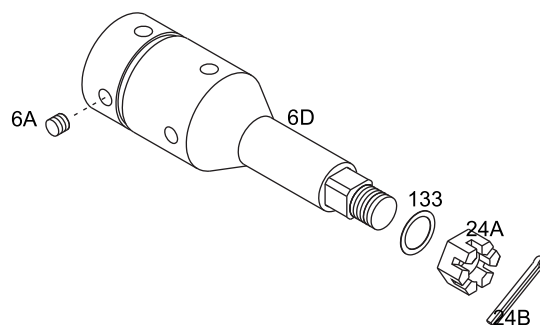
**Additional type "DG: Clamped-in Seal Seat Components (For use with type D seal)**



**Floating Retainer with Type E Water Cooled Balanced Double Seal**



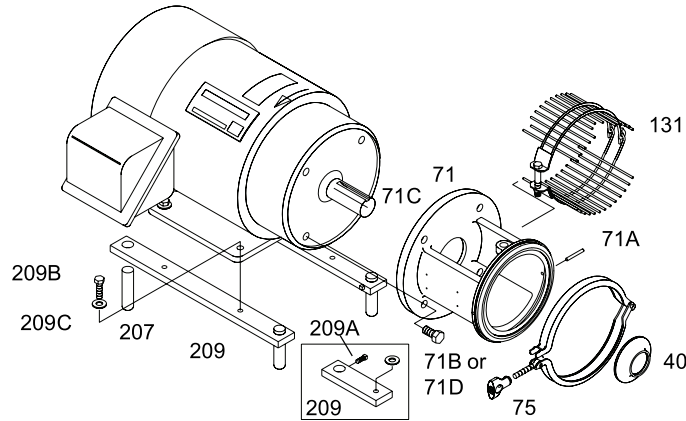
**Threaded Shaft and Castellated Nut Retainer system for Use with Type D, F or E seals**



Pos	Qty	Denomination	56C NEMA Frame	180TC NEMA Frame	140TC NEMA Frame
6A	2	Set Screw (shaft)	189775	180215	180215
6D	1	Shaft-Threaded	Not available	Not available	Not available
6E	1	Shaft-Standard	482479	482477	482475
40	1	Deflector	480170	482853	480170
71	1	Adapter	Not available	Not available	Not available
71B	4	Adapter Mounting Screw	189741	189888	189846
131	1	Seal Guard Assembly	Contact Alfa	Contact Alfa	Contact Alfa
			Laval	Laval	Laval
207	4	Adjustable Leg	483075	483075	483075
209	2	Adjustable Leg Bracket	480536	480325	483052
209A	4	Set Screw (Square Head)	180260	180259	180260
209B	4	Bracket Mounting Screw	180701	189846	180701
209C	4	Washer	180037	180070	180037

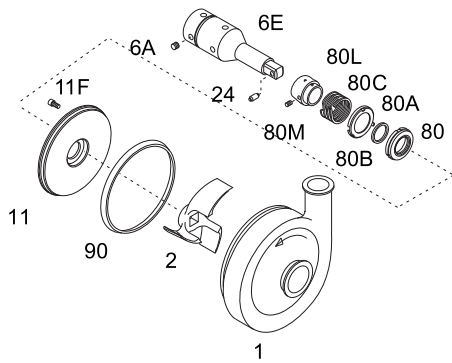
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**For All C Series Pumps**

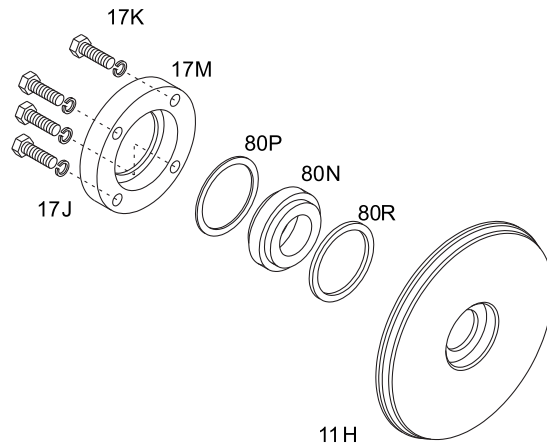


Note: Depending on type of frame, some older models C114 and 216 with type E seals require a special adapter #71C, and longer mounting screws, #71D

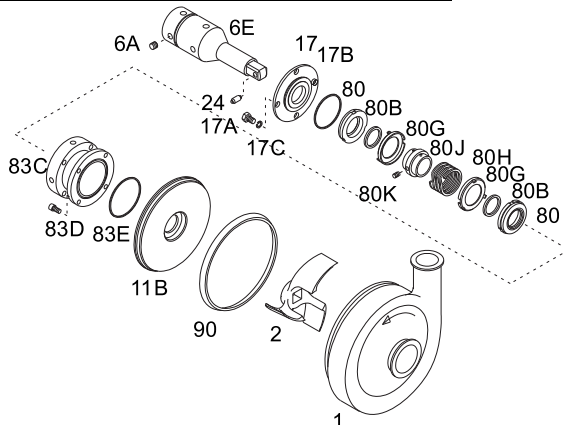
**Floating Retainer with Type D or F External Balanced Seal**



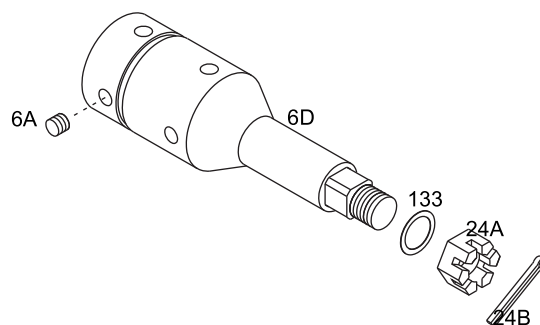
**Additional type "DG: Clamped-in Seal Seat Components (For use with type D seal)**



**Floating Retainer with Type E Water Cooled Balanced Double Seal**



**Threaded Shaft and Castellated Nut Retainer system for Use with Type D, F or E seals**

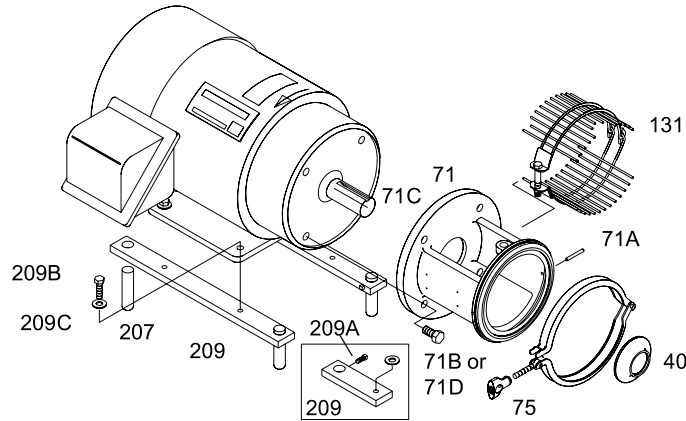




Pos	Qty	Denomination	56C NEMA	180TC NEMA	210TC NEMA	250TC NEMA	140TC NEMA
6A	2	Set Screw (shaft)	189815	180215	180222	180222	180222
6D	1	Shaft-Threaded	Not available	Not available	Not available	Not available	Not available
6E	1	Shaft-Standard	481497	481430	481338	481339	481332
40	1	Deflector	483385	483385	483573	484280	483385
71	1	Adapter	Not available	Not available	Not available	Not available	Not available
71B	4	Adapter Mounting Screw	189846	189888	189888	189888	189846
131	1	Seal Guard Assembly	Contact Alfa	Contact Alfa	Contact Alfa	Contact Alfa	Contact Alfa
			Laval	Laval	Laval	Laval	Laval
207	4	Adjustable Leg	483075	483075	483075	483626	483075
209	2	Adjustable Leg Bracket	480536	480325	480328	480338	483052
209A	4	Set Screw (Square Head)	180260	180259	180259	180259	180260
209B	4	Bracket Mounting Screw	180701	189741	189741	180148	180701
209C	4	Washer	180037	180070	180070	180070	180037

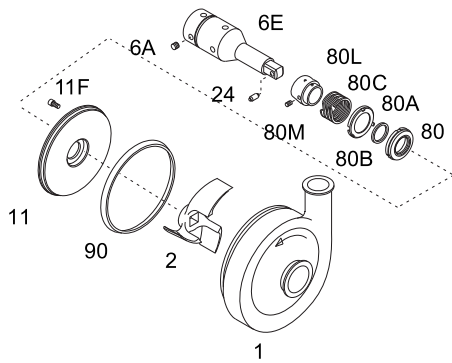
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**For All C Series Pumps**

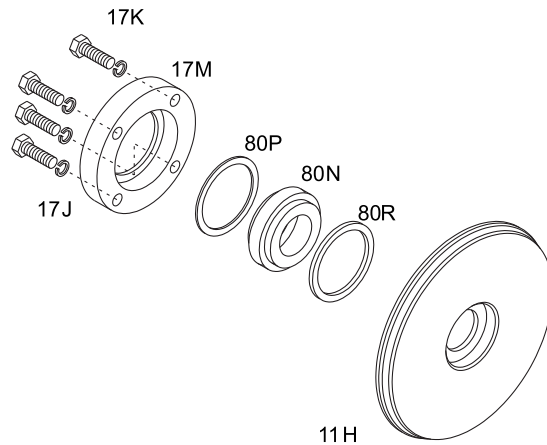


Note: Depending on type of frame, some older models C114 and 216 with type E seals require a special adapter #71C, and longer mounting screws, #71D

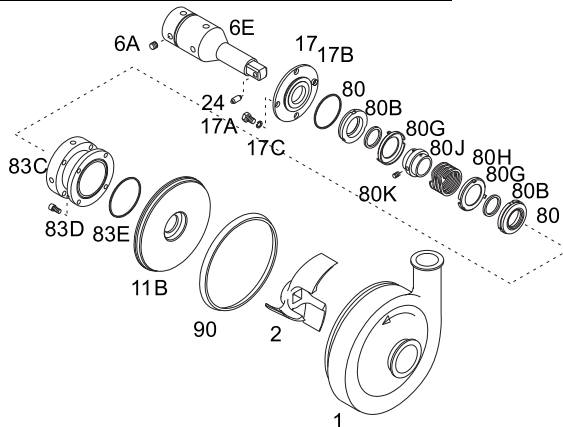
**Floating Retainer with Type D or F External Balanced Seal**



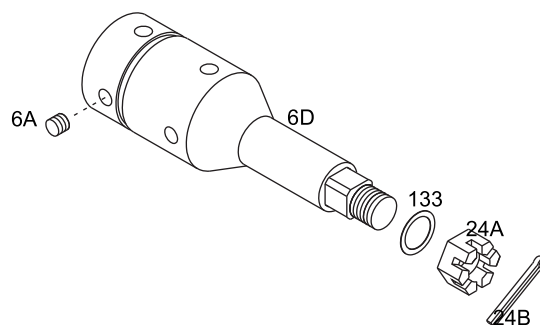
**Additional type "DG: Clamped-in Seal Seat Components (For use with type D seal)**



**Floating Retainer with Type E Water Cooled Balanced Double Seal**



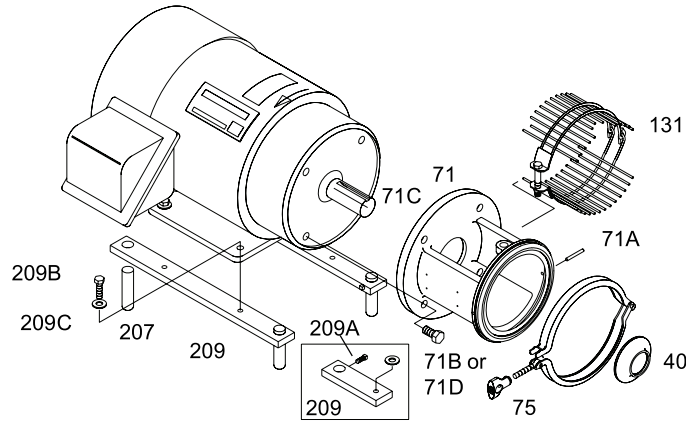
**Threaded Shaft and Castellated Nut Retainer system for Use with Type D, F or E seals**



Pos	Qty	Denomination	180TC NEMA	210TC NEMA	250TC NEMA	280T NEMA	140TC NEMA	320TC NEMA
6A	2	Set Screw (shaft) . . . . .	180228	180228	180228	180228	180228	180228
6D	1	Shaft-Threaded . . . . .	Not available	Not available	Not available	Not available	Not available	Not available
6E	1	Shaft-Standard . . . . .	481431	481498	481499	481500	481537	482481
40	1	Deflector . . . . .	483990	484280	484280	484282	483990	480100
71	1	Adapter . . . . .	Not available	Not available	Not available	Not available	Not available	Not available
71B	4	Adapter Mounting Screw . .	189888	189888	189888	189888	189846	189822
131	1	Seal Guard Assembly . . . .	Contact Alfa	Contact Alfa	Contact Alfa	Contact Alfa	Contact Alfa	Contact Alfa
			Laval	Laval	Laval	Laval	Laval	Laval
207	4	Adjustable Leg . . . . .	483075	483075	483626	483626	483075	Not available
209	2	Adjustable Leg Bracket . . .	480325	480328	480328	480355	483052	Not available
209A	4	Set Screw (Square Head) . .	180259	180259	180259	180259	180259	180259
209B	4	Bracket Mounting Screw . .	189741	189741	180148	180148	180701	Not available
209C	4	Washer . . . . .	180070	180070	189952	180070	180037	Not available

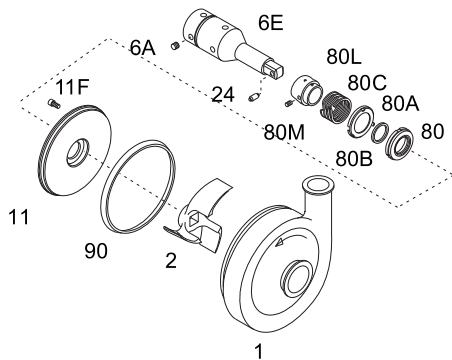
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**For All C Series Pumps**

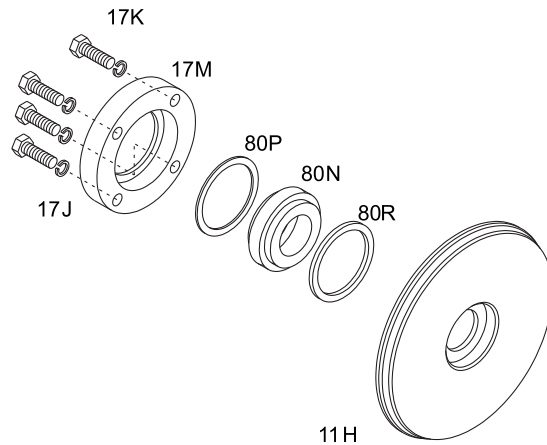


Note: Depending on type of frame, some older models C114 and 216 with type E seals require a special adapter #71C, and longer mounting screws, #71D

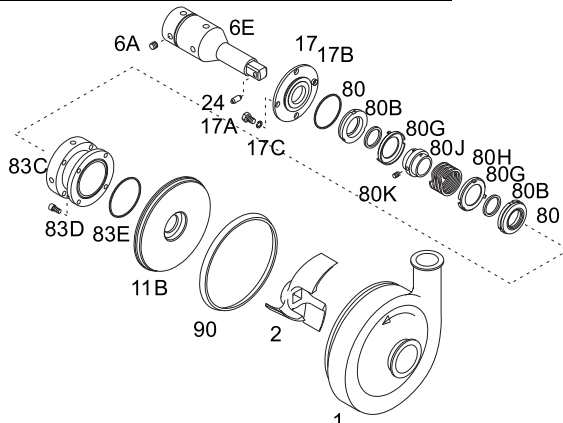
**Floating Retainer with Type D or F External Balanced Seal**



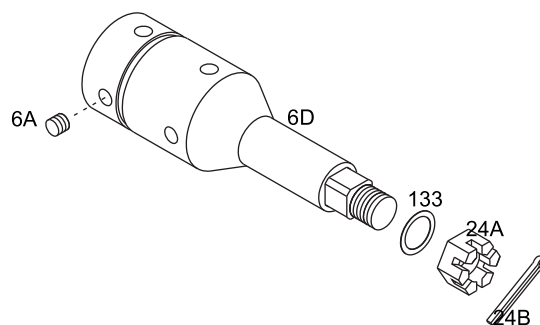
**Additional type "DG: Clamped-in Seal Seat Components (For use with type D seal)**



**Floating Retainer with Type E Water Cooled Balanced Double Seal**

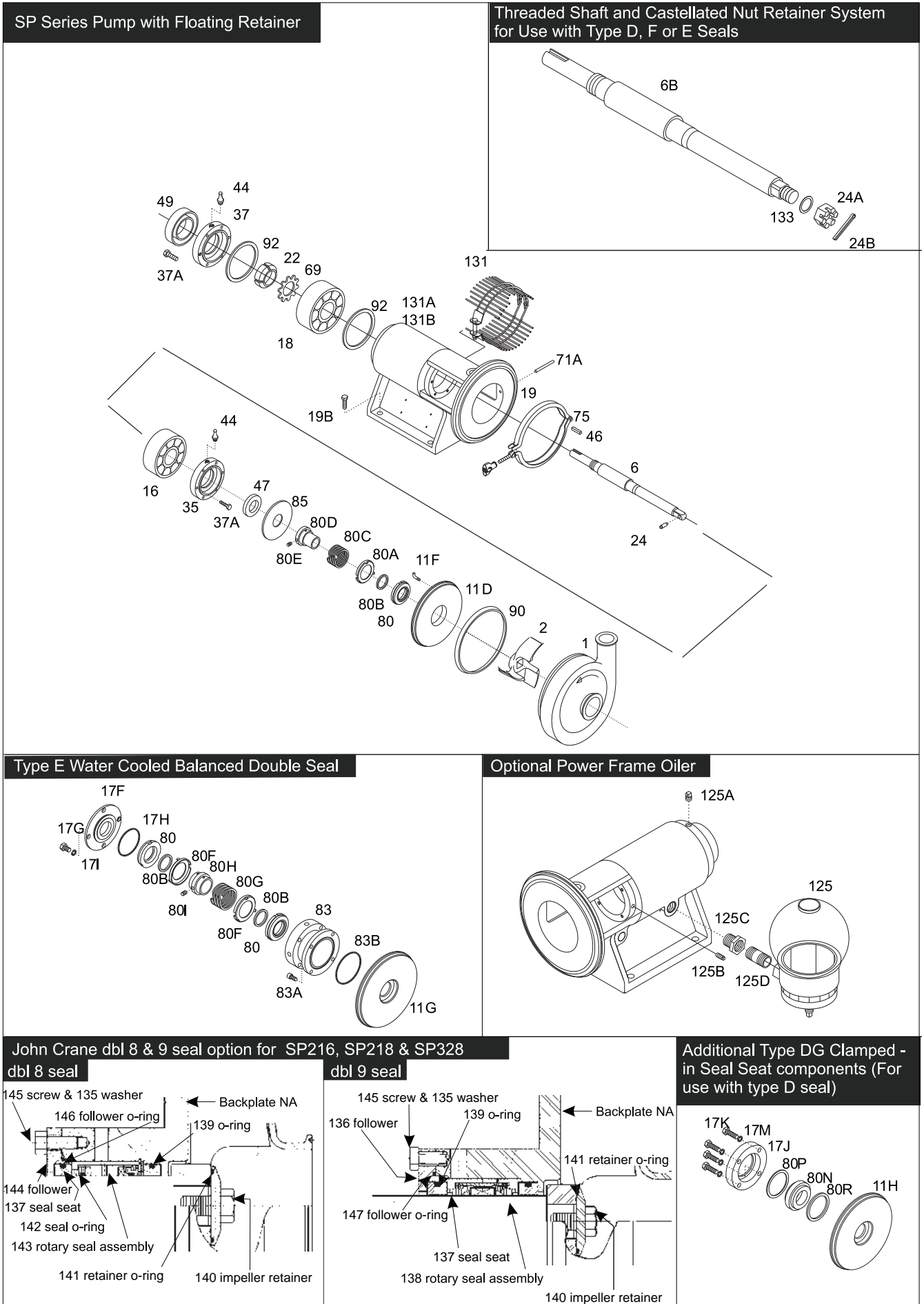


**Threaded Shaft and Castellated Nut Retainer system for Use with Type D, F or E seals**



Pos	Qty	Denomination	210TC NEMA	250TC NEMA	280TSC NEMA	320TSC NEMA	360TSC NEMA
6A	2	Set Screw (shaft) . . . . .	180739	180739	180739	180739	180739
6D	1	Shaft-Threaded . . . . .	Not available	Not available	Not available	Not available	Not available
6E	1	Shaft-Standard . . . . .	482171	540259	482134	482128	540258
40	1	Deflector . . . . .	482453	482453	482453	482453	482453
71	1	Adapter . . . . .	Not available	Not available	Not available	Not available	Not available
71B	4	Adapter Mounting Screw . . . . .	189792	189792	189792	189797	189797
131	1	Seal Guard Assembly . . . . .	Contact Alfa Laval	Contact Alfa Laval	Contact Alfa Laval	Contact Alfa Laval	Contact Alfa Laval

*Not manufactured anymore*



Pos	Qty	Denomination	SP114	SP216	SP218	SP328	SP4410
1	1	Tri-Clamp casing . . . . .	482815	483122	483755	483841	487978
	1	Tri-Clamp casing enlarged inlet . . . . .	483097	483123	483770	484750	488355
2	1	Impeller full size . . . . .	482810	483113	483723	483814	488031
6	1	Shaft pinned style . . . . .	480539	483701	480544	480544	480546
6B	1	Shaft threaded style . . . . .	483054	483680	484741	484741	488059
11D	1	Backplate d seal . . . . .	482891	481620	480866	480866	488103
11F	2	Backplate pin . . . . .	483263	483263	483263	483263	189972
11G	1	Backplate E seal . . . . .	482268	482272	482277	482277	482455
11H♦	1	Backplate DG seal . . . . .	480274	480174	480043FH	480043FH	480078
16	1	Bearing ( inboard ) . . . . .	188157	188256	188326	188326	188326
17F	1	Follower . . . . .	481811	482275	481211	481211	481211
17G	1	Machine screw . . . . .	180142	189773	189773	189773	189773
17H	1	O-ring BUNA . . . . .	755469	751064	751297	751297	751297
	1	O-ring EPDM . . . . .	750134	751538	751634	751634	751634
	1	O-ring SFY . . . . .	751544	751305	751307	751307	751307
17I ♦	4	Lockwasher DG seal . . . . .	Not available	189962	189962	189962	189962
17J ♦	1	Gland ring DG seal . . . . .	480275	480176	480050	480050	480050
17K♦	4	Bolt / screw DG seal . . . . .	180126	180191	180191	180191	180191
17M	4	Lockwasher . . . . .	189985	189962	189962	189962	189962
18	1	Bearing ( outboard ) . . . . .	188160	188262	188332	188332	188332
19	1	Frame . . . . .	Not available	Not available	Not available	Not available	Not available
22	1	Locknut ( shaft ) . . . . .	188162	188266	188336	188336	188336
24 □	1	Impeller retainer . . . . .	482856	483441	484101	484101	480293
24A	1	Catellated nut . . . . .	481039	480912	480914	480914	480914
24B	1	Cotter pin . . . . .	480427	480424	755139	755139	755139
29	1	Seal cage . . . . .	180219	180220	180221	180221	v
35	1	Bearing cover ( inboard ) . . . . .	180797	188301	188341	188341	188341
37	1	Bearing cover ( outboard ) . . . . .	180796	188303	188343	188343	188343
37A	8	Bearing cover screw . . . . .	180336	Not available	Not available	Not available	Not available
	10	Bearing cover screw . . . . .	Not available	180271	180015	180015	180015
44	2	Grease fitting . . . . .	188071	180360	180360	180360	180360
46	1	Coupling key . . . . .	401239	401588	484745	484745	484745
47	1	Bearing ( inboard ) . . . . .	188167	188278	188351	188351	188351
49	1	Bearing seal ( outboard ) . . . . .	483057	483625	484744	484744	484744
69	1	Lock washer . . . . .	188169	188284	188355	188355	188355
71A	1	Adapter pin ( external seal ) . . . . .	483396	481621	481621	481621	488079
75	1	Clamp assembly . . . . .	481488	482258	480285	480285	Not available
80 □○★	1	Carbon seal . . . . .	480739	480510	480525	480525	480525
80A□○	1	Cup . . . . .	482866	483601	484362	484362	484362
80B□○★	1	O-ring BUNA . . . . .	299060	300552	480479	480479	480479
□○★	1	O-ring EPDM . . . . .	290213	300027	480226	480226	480226
□○★	1	O-ring SFY . . . . .	290161	300064	480656	480656	480656
80C□○★	1	Spring . . . . .	482867	483602	484363	484363	484363
80D	1	Drive collar . . . . .	480988	481628	480864	480864	480864
80E	2	Set screw . . . . .	189815	189840	189840	189840	189840
80F ★	2	Cup ( E balanced ) . . . . .	481327	481333	481209	481209	481209
80G★	1	Spring ( E balanced ) . . . . .	481324	481334	481210	481210	481210
80H	1	Drive collar ( E balanced ) . . . . .	481270	481271	481212	481212	481212
80I	2	Set screw ( E balanced ) . . . . .	189838	189819	189819	189819	189819
80N□	1	Type DG seal seat ( TC ) . . . . .	480470	480477	480466	480466	480466
□♦	1	Type DG seal seat ( SC ) . . . . .	481518	481519	481470	481470	481470
□	1	Type DG seal seat ( CER ) . . . . .	480351	480111	480238	480238	480238
80P□♦	1	Gasket outboard ( PTFE ) . . . . .	481520	481521	481522	481522	481522
80R□♦	1	Gasket inboard ( PTFE ) . . . . .	482807	482808	482809	482809	482809
83	1	Stuffing box ( E-balanced ) . . . . .	481844	482276	482280	482280	482280
83A	4	Machine screw ( E-balanced ) . . . . .	180457	180142	180705	180705	180705
83B	1	O-ring BUNA . . . . .	751064	755489	755528	755528	755528
	1	O-ring EPDM . . . . .	751538	750081	750575	750575	750575
	1	O-ring SFY . . . . .	751305	750740	751306	751306	751306
85	1	Slinger . . . . .	300989	300964	300967	300967	300967
90 □○★	1	Casing gasket BUNA . . . . .	482737	483195	484083	484083	488389
□○★	1	Casing gasket EPDM . . . . .	480109	480096	480232	480232	480729
□○★	1	Casing gasket SFY . . . . .	480633	480201	480575	480575	480861
92	1	Shim-bearing ( set ) . . . . .	180384	180383	180382	180382	180382
125	1	Oiler . . . . .	188046	188046	188046	188046	188046
125A	1	Pressure relief valve . . . . .	188068	188068	188068	188068	188068
125B	1	Pipe plug . . . . .	181254	181254	181254	181254	181254
125C	1	Reducer . . . . .	188063	188063	188063	188063	188063
125D	1	Nipple . . . . .	188044	188044	188044	188044	188044
131	1	Seal guard assembly . . . . .	Contact Alfa	Contact Alfa	Contact Alfa	Contact Alfa	Not available
			Laval	Laval	Laval	Laval	
133	1	Washer ( impeller .005 ) . . . . .	481240	481243	481246	481246	481246
	1	Washer ( impeller .010 ) . . . . .	481241	481244	481247	481247	481247

Parts marked with □○★ are included in the service kits.

		SP114	SP216	SP218/328	SP4410
○	D Balanced Service Kits BUNA	9613990025	9613990028	9613990031	9613990034
○	D Balanced Service Kits EPDM	9613990026	9613990029	9613990032	9613990035
○	D Balanced Service Kits SFY	9613990027	9613990030	9613990033	9613990036
*	E Balanced Service Kits BUNA	9613990001	9613990004	9613990007	9613990010
*	E Balanced Service Kits EPDM	9613990002	9613990005	9613990008	9613990011
*	E Balanced Service Kits SFY	9613990003	9613990006	9613990009	9613990012
□	DG Service Kits Buna SC Stat.	482207	482208	482211	9613990512
□	DG Service Kits EPDM SC Stat.	9613990454	9613990461	9634600055	9613990513
□	DG Service Kits SFY SC Stat.	482212	482214	482215	9613990514
□	DG Service Kits Buna CER Stat.	9613990455	9613990462	9613990468	9613990515
□	DG Service Kits EPDM CER Stat.	9613990456	9613990463	9613990469	9613990516
□	DG Service Kits SFY CER Stat.	9613990457	9613990464	9613990470	9613990517
□	DG Service Kits Buna TC Stat.	9613990458	9613990465	9613990471	9613990518
□	DG Service Kits EPDM TC Stat.	9613990459	9613990466	9613990472	9613990519
□	DG Service Kits SFY TC Stat.	9613990460	9613990467	9613990473	9613990520
◆	DG conversion Kits (D to DG) SC Stationary	482122	482123	482124	



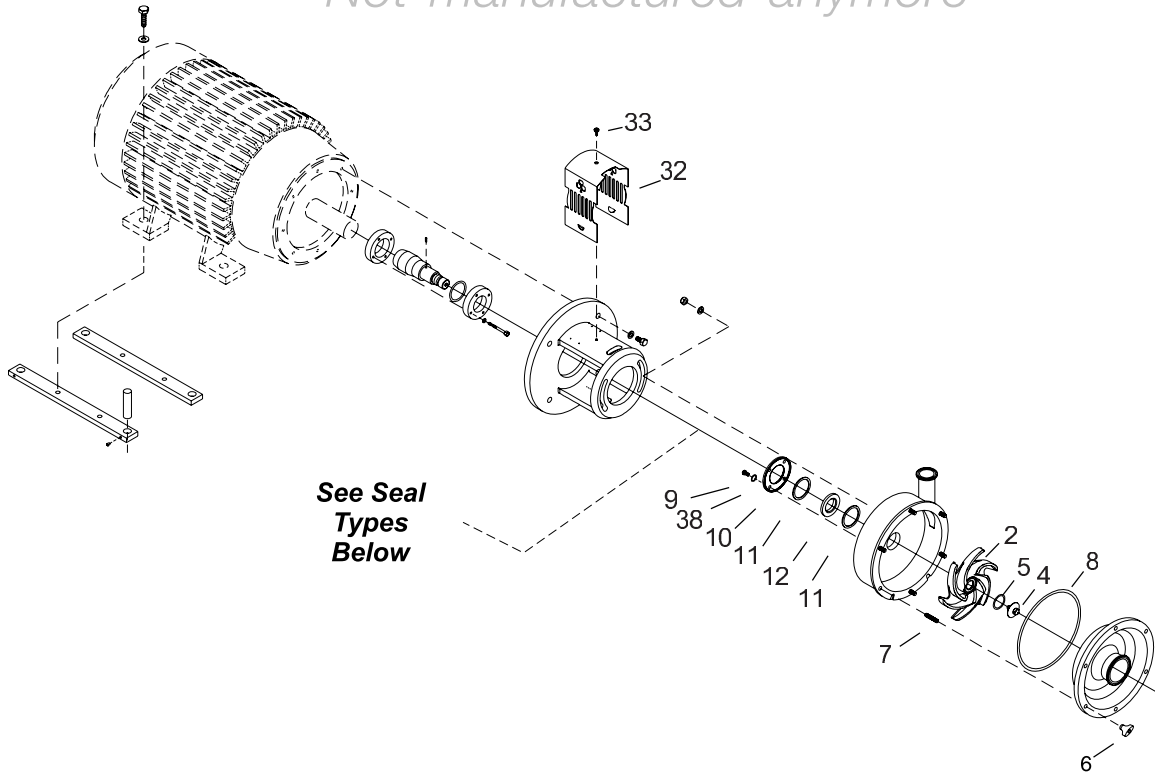


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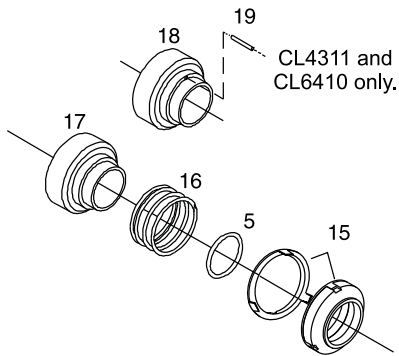
<p><b>SP Series Pump with Floating Retainer</b></p>	<p><b>Threaded Shaft and Castellated Nut Retainer System for Use with Type D, F or E Seals</b></p>	
<p>Exploded view diagram of the SP Series Pump assembly. Components are labeled with part numbers: 49, 44, 37, 92, 22, 69, 37A, 18, 92, 131A, 131B, 131, 71A, 19, 75, 46, 6, 24, 19B, 44, 16, 35, 37A, 47, 85, 80D, 80C, 80A, 11F, 80B, 80, 11D, 90, 2, 1, 71A, 19, 75, 46, 6, 24.</p>		
<p><b>Type E Water Cooled Balanced Double Seal</b></p>	<p><b>Optional Power Frame Oiler</b></p>	
<p>Exploded view diagram of the Type E Water Cooled Balanced Double Seal components. Components are labeled with part numbers: 17F, 17G, 17H, 80, 80F, 80H, 80G, 80B, 83, 80I, 80F, 80, 83A, 83B, 11G.</p>	<p>Exploded view diagram of the Optional Power Frame Oiler components. Components are labeled with part numbers: 125A, 125, 125C, 125B, 125D.</p>	
<p><b>John Crane dbl 8 &amp; 9 seal option for SP216, SP218 &amp; SP328</b></p>		
<p><b>dbl 8 seal</b></p> <p>145 screw &amp; 135 washer Backplate NA 146 follower o-ring 139 o-ring 144 follower 137 seal seat 142 seal o-ring 143 rotary seal assembly 141 retainer o-ring 140 impeller retainer</p>	<p><b>dbl 9 seal</b></p> <p>145 screw &amp; 135 washer Backplate NA 136 follower 139 o-ring 141 retainer o-ring 147 follower o-ring 137 seal seat 138 rotary seal assembly 140 impeller retainer</p>	<p><b>Additional Type DG Clamped - in Seal Seat components (For use with type D seal)</b></p> <p>17K, 17M, 17J, 80P, 80N, 80R, 11H</p>

Pos	Qty	Denomination	SP216	SP218 and SP328
134	1	Screw	189753	189773
135	1	Washer	189985	189962
136	1	Gland Ring	480576	480595
137	1	Seal Seat SC	482461	480118
	1	Seal Seat TC	480198	480339
138	1	Rotary Seal Assembly Carbon	481286	481278
139	1	Seat O Ring	480656	750739
140	1	Impeller Retainer	3103210	3102235
141	1	Retainer O Ring	751496	751756
142	1	Seal O Ring	300064	480656
143	1	Rotary Seal Assembly Carbon	480310	480308
	1	Rotary Seal Assembly SC	Not available	480517
144	1	Gland Ring	Not available	408333
145	1	Screw	180126	189849
146	1	O Ring Gland Ring	400531	751307
147	1	O Ring Gland Ring	751544	751545

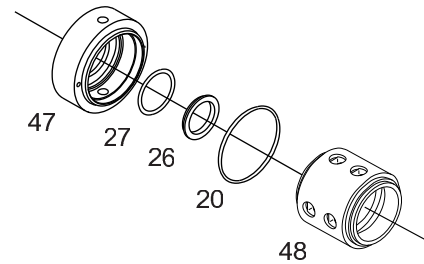
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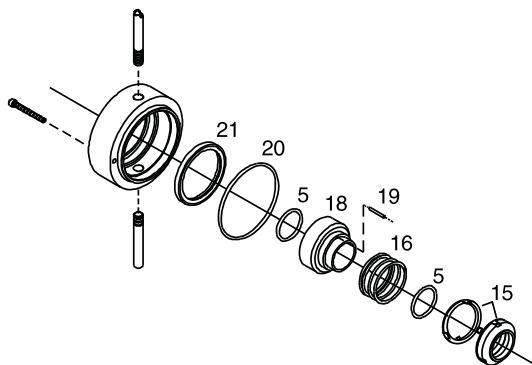
**TYPE DG - EXTERNAL BALANCED SEAL**



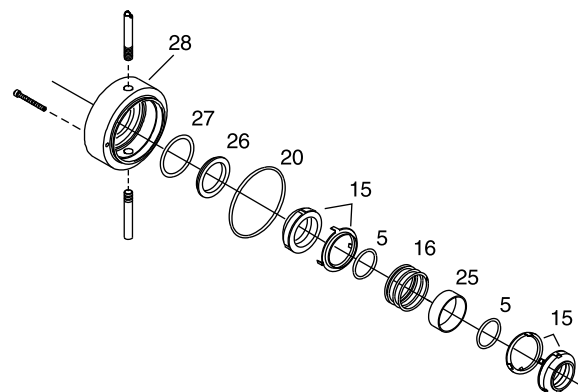
**JOHN CRANE DOUBLE 8 SEAL**



**TYPE FG - WATER COOLED SINGLE SEAL**



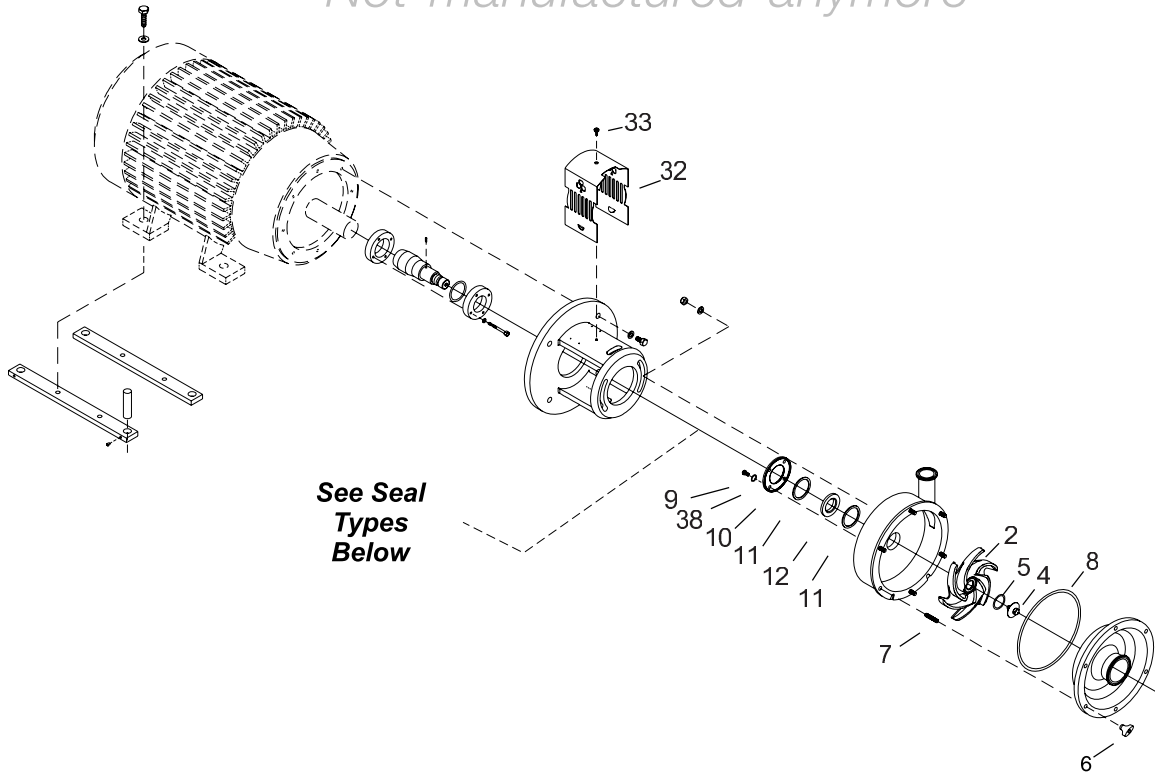
**TYPE EG - WATER COOLED DOUBLE SEAL**



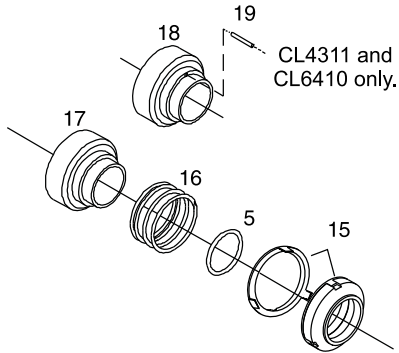
Pos	Qty	Denomination	CL2264	CL2265	CL2284	CL3285	CL3295
1	1	Casing	Not available	Not available	Not available	Not available	Not available
2*	1	Impeller	9612131228	9612131418	9612434116	9612425216	9612131816
3	1	Cover	Not available	Not available	Not available	Not available	Not available
4	1	Impeller Screw	9612707002	9612707002	9612707002	9612707002	9612707002
5	1	O Ring BUNA	9612730101	9612730101	9612730101	9612730101	9612730101
	1	O Ring EPDM	9612730102	9612730102	9612730102	9612730102	9612730102
	1	O Ring SFY	9612730103	9612730103	9612730103	9612730103	9612730103
6	1	Wingnut	9612730801	9612730801	9612730901	9612730901	9612730901
7	1	Stud, Casing/Cover	9612730401	9612730401	9612730401	9612730401	9612730401
8	1	Cover O Ring BUNA	751560	751561	751563	751563	751578
	1	Cover O Ring EPDM	751543	751556	751558	751558	751559
	1	Cover O Ring SFY	751519	751529	751536	751536	751542
13	1	Nut, Casing/Adapter	9612730601	9612730601	9612730601	9612730601	9612730601
14	1	Washer, Casing/Adapter	9612730701	9612730701	9612730701	9612730701	9612730701

\*Cut down impeller sizes available upon request. Contact Alfa Laval for details.

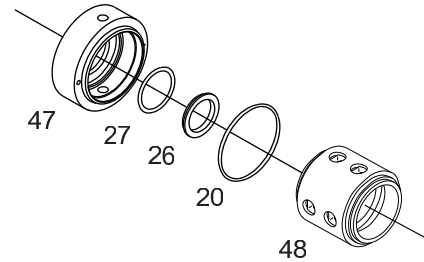
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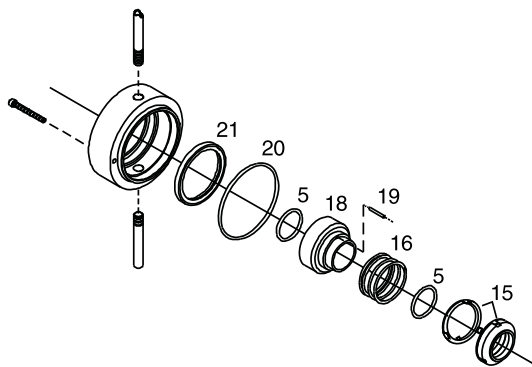
**TYPE DG - EXTERNAL BALANCED SEAL**



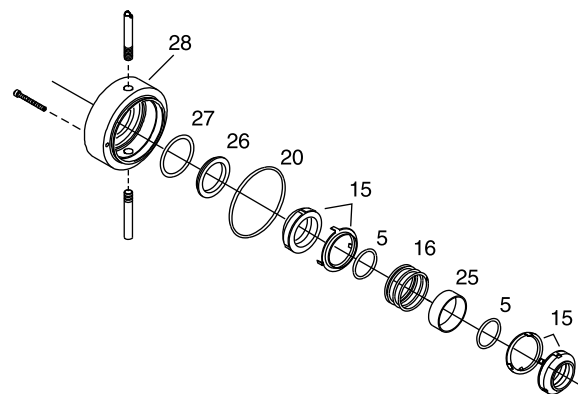
**JOHN CRANE DOUBLE 8 SEAL**



**TYPE FG - WATER COOLED SINGLE SEAL**



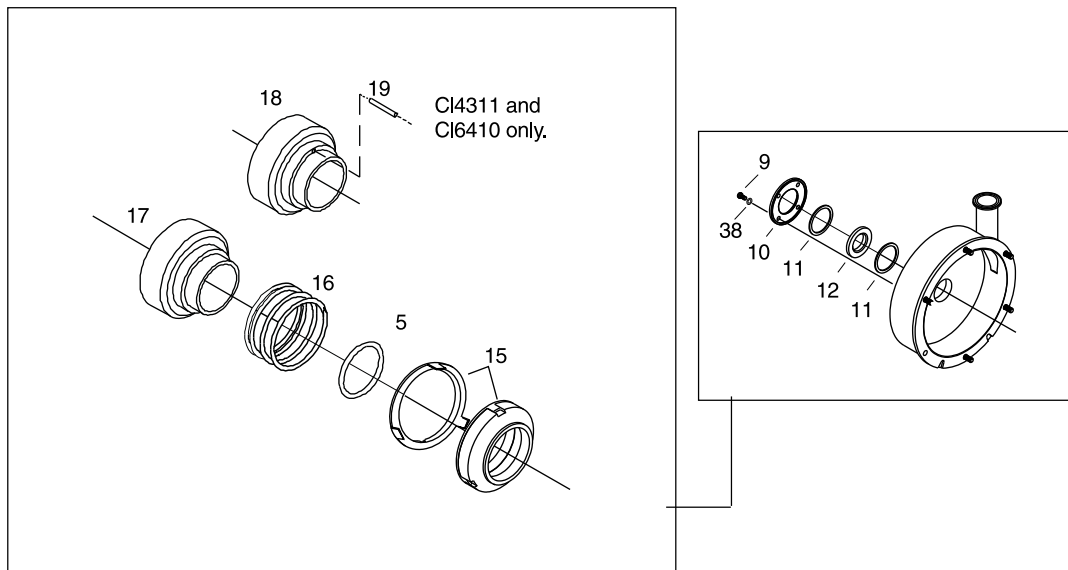
**TYPE EG - WATER COOLED DOUBLE SEAL**



Pos	Qty	Denomination	CL4311	CL4359	CL4378	CL4387	CL4488
1	1	Casing	Not available	Not available	Not available	Not available	Not available
2*	1	Impeller	9612499403	9612431413	9612363013	9612132015	9612128315
3	1	Cover	Not available	Not available	Not available	Not available	Not available
4	1	Impeller Screw	9612717001	9612707002	9612707002	9612707002	9612707002
5	1	O Ring BUNA	9612732501	9612730101	9612730101	9612730101	9612730101
	1	O Ring EPDM	9612732502	9612730102	9612730102	9612730102	9612730102
	1	O Ring SFY	9612732503	9612730103	9612730103	9612730103	9612730103
6	1	Wingnut	9612730901	9612730801	9612730901	9612730901	9612730901
7	1	Stud, Casing/Cover	9612732601	9612730401	9612730501	9612730501	9612730501
8	1	Cover O Ring BUNA	9612732302	751560	751563	751578	751578
	1	Cover O Ring EPDM	9612732301	751543	751558	751559	751559
	1	Cover O Ring SFY	9612732303	751519	751536	751542	751542
13	1	Nut, Casing/Adapter	9612730601	9612730601	9612730601	9612730601	9612730601
14	1	Washer, Casing/Adapter	9612730101	9612730701	9612730701	9612730701	9612730701

\*Cut down impeller sizes available upon request. Contact Alfa Laval for details.

*Not manufactured anymore*



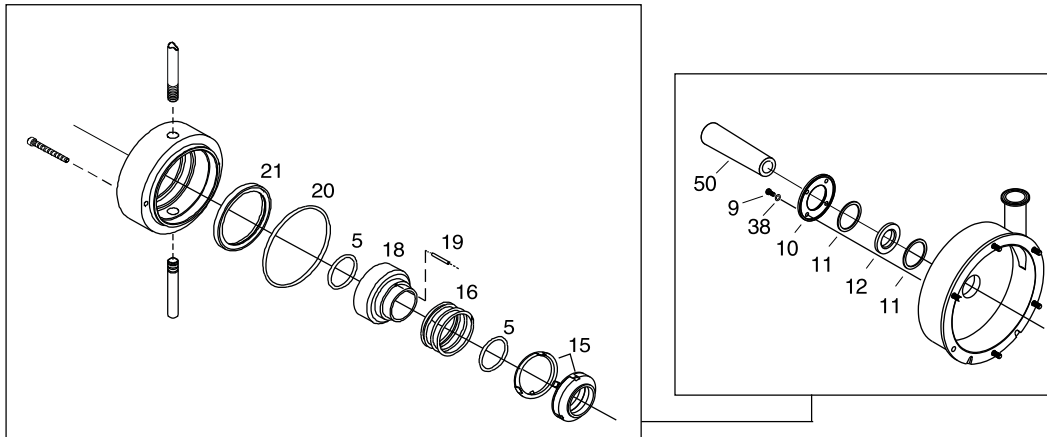


Pos	Qty	Denomination	CL2264	CL4359	CL4311	
			CL2265	CL4378		
			CL3285	CL4387		
			CL3295	CL4488		
5	<input type="checkbox"/>	1 O Ring BUNA	9612730101	9612730101	9612732502	
	<input type="checkbox"/>	1 O Ring EPDM	9612730102	9612730102	9612732502	
	<input type="checkbox"/>	1 O Ring SFY	9612730103	9612730103	9612732503	
9		1 Screw, Seal Gland	9612730301	9612730301	189643	
10		1 Seal Gland	9612700801	9612700801	9612718401	
11	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, BUNA	9612713002	9612713002	9612732102	
	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, EPDM	9612713001	9612713001	9612732101	
	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, SFY	9612713003	9612713003	9612732103	
12	<input type="checkbox"/>	1 Silicon Carbide Stationary Seal PTFE	9612700001	9612700001	9612717801	
15	<input type="checkbox"/>	1 Rotating Seal - Carbon (includes cup)	9612711501	9612711501	9612718101	
	<input type="checkbox"/>	1 Rotating Seal - SiC (includes cup)	9612711502	9612711502	9612718102	
16	<input type="checkbox"/>	1 Spring	9612711601	9612711601	9612718101	
17		1 Drive Collar	9612700401	9612700401	Not available	
18		1 Drive Collar - Stainless Steel	Not available	9612700902	9612717301	
19		1 Pin, Drive Collar	Not available	Not available	9612731901	
38		1 Washer, Compression Ring	9612731701	9612731701	9612731701	

Parts marked with  are included in the service kits.

	All Std. Models	Models CL4311 & CL6410
<input type="checkbox"/>	Service Kit BUNA	9612711802 9612717702
<input type="checkbox"/>	Service Kit BUNA SiC	9612711902 9612717705
<input type="checkbox"/>	Service Kit EPDM	9612711801 9612717701
<input type="checkbox"/>	Service Kit EPDM SiC	9612711901 9612717704
<input type="checkbox"/>	Service Kit SFY	9612711803 9612717703
<input type="checkbox"/>	Service Kit SFY SiC	9612711903 9612717706

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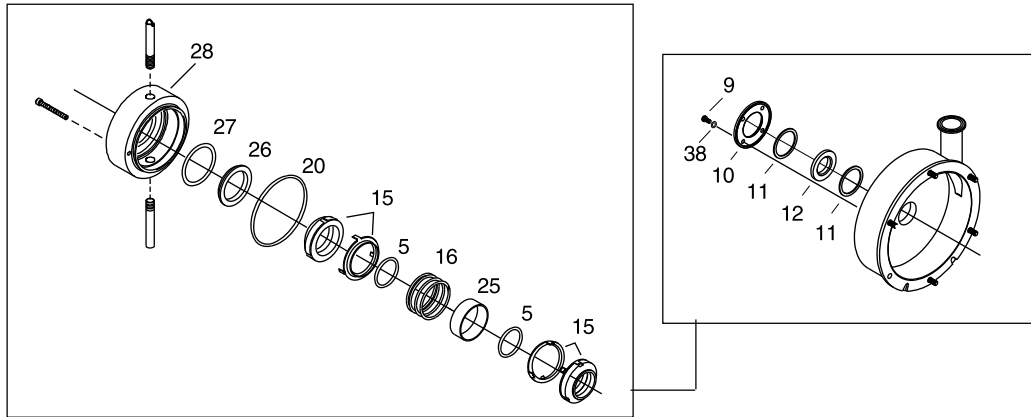


Pos	Qty	Denomination	All Std. Models	Model CL4311
5	<input type="checkbox"/>	1 O Ring BUNA	9612730101	9612732502
	<input type="checkbox"/>	1 O Ring EPDM	9612730102	9612732502
	<input type="checkbox"/>	1 O Ring SFY	9612730103	9612732503
9		1 Screw, Seal Gland	9612730301	189643
10		1 Seal Gland	9612700801	9612718401
11	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, BUNA	9612713002	9612732102
	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, EPDM	9612713001	9612732101
	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, SFY	9612713003	9612732103
	<input type="checkbox"/>	1 Front Gasket, Stationary Seal, PTFE	9612713004	9612732104
12	<input type="checkbox"/>	1 Silicone Carbide Seal	9612700001	9612700001
15	<input type="checkbox"/>	1 Rotating Seal - Carbon (includes cup)	9612711501	9612718101
	<input type="checkbox"/>	1 Rotating Seal - SiC (includes cup)	9612711502	9612718102
16	<input type="checkbox"/>	1 Spring	9612711601	9612718101
18		1 Drive Collar - Stainless Steel	9612700902	9612717301
19		1 Pin, Drive Collar	9612731201	9612731901
20	<input type="checkbox"/>	1 O Ring, Stuffing Box BUNA	9612730001	9612730001
	<input type="checkbox"/>	1 O Ring, Stuffing Box EPDM	9612730002	9612730002
	<input type="checkbox"/>	1 O Ring, Stuffing Box SFY	9612730003	9612730003
	<input type="checkbox"/>	1 Single Flush Lip Seal	9612711701	9612732401
38		1 Washer, Compression Ring	9612731701	9612731701
50	<input type="checkbox"/>	1 Seal Installation Tool	9612732002	9612732003

Parts marked with  are included in the service kits.

		All Std. Models	Models CL4311 & CL6410
<input type="checkbox"/>	Service Kit BUNA	9612711808	9612717708
<input type="checkbox"/>	Service Kit BUNA SiC	9612711908	9612717711
<input type="checkbox"/>	Service Kit EPDM	9612711807	9612717707
<input type="checkbox"/>	Service Kit EPDM SiC	9612711907	9612717710
<input type="checkbox"/>	Service Kit SFY	9612711809	9612717709
<input type="checkbox"/>	Service Kit SFY SiC	9612711909	9612717712

*Not manufactured anymore*



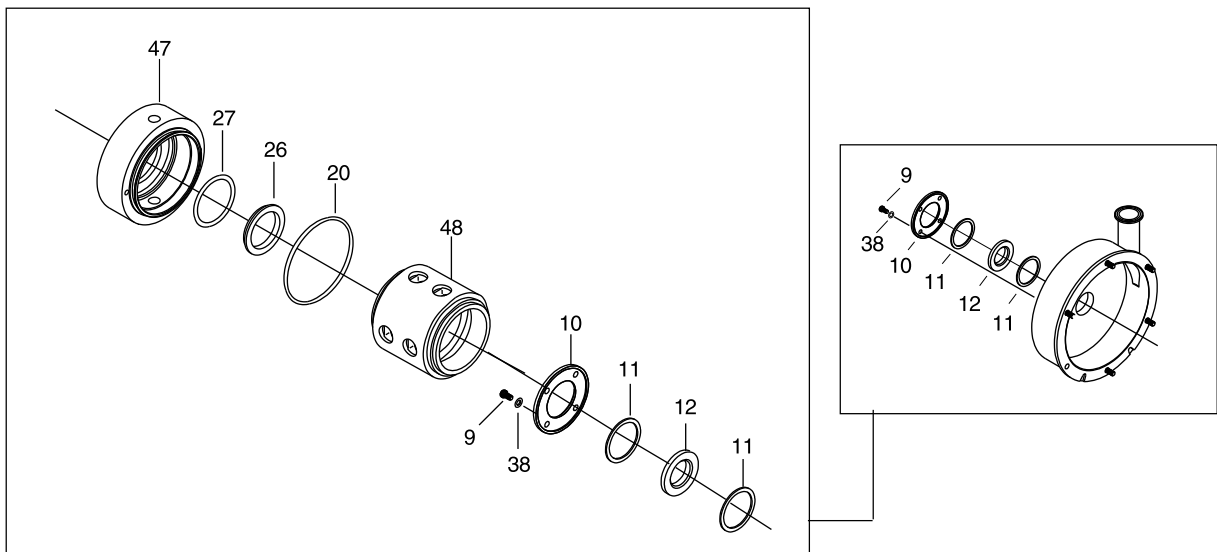
Pos	Qty	Denomination	All models except CL4311 or CL6410*
5	<input type="checkbox"/>	1 O Ring BUNA	9612730101
	<input type="checkbox"/>	1 O Ring EPDM	9612730102
	<input type="checkbox"/>	1 O Ring SFY	9612730103
9		1 Screw, Seal Gland	9612730301
10		1 Seal Gland	9612700801
11	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, BUNA	9612713002
	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, EPDM	9612713001
	<input type="checkbox"/>	1 Front & Rear Stationary Seal Gasket, SFY	9612713003
	<input type="checkbox"/>	1 Front Gasket, Stationary Seal, PTFE	9612713004
12	<input type="checkbox"/>	1 Silicone Carbide Seal	9612700001
15	<input type="checkbox"/>	1 Rotating Seal - BUNA and EPDM (includes cup)	9612711501
	<input type="checkbox"/>	1 Silicone Carbide Rotating Seal BUNA SiC and EPDM SiC (includes cup)	9612711502
16	<input type="checkbox"/>	1 Spring	9612711601
20	<input type="checkbox"/>	1 O Ring, Stuffing Box BUNA	9612730001
	<input type="checkbox"/>	1 O Ring, Stuffing Box EPDM	9612730002
	<input type="checkbox"/>	1 O Ring, Stuffing Box SFY	9612730003
25		1 Spacing Ring	9612700601
26	<input type="checkbox"/>	1 Stationary Seal, Rear, SiC	9612711301
	<input type="checkbox"/>	1 Stationary Seal, Rear, Stainless Steel	9612711302
27	<input type="checkbox"/>	1 O Ring Stationary Seal, BUNA	9612731602
	<input type="checkbox"/>	1 O Ring Stationary Seal, EPDM	9612711601
	<input type="checkbox"/>	1 O Ring Stationary Seal, SFY	9612731603
28		1 Stuffing Box	9612711101
38		1 Washer, Compression Ring	9612731701
50	<input type="checkbox"/>	1 Seal Installation Tool	9612732002

\*Consult Alfa Laval for a model CL4311 or CL6510 with a type EG seal.

Parts marked with  are included in the service kits.

		All Std. Models
<input type="checkbox"/>	<b>Service Kit BUNA</b>	9612711805
<input type="checkbox"/>	<b>Service Kit BUNA SiC</b>	9612711905
<input type="checkbox"/>	<b>Service Kit EPDM</b>	9612711804
<input type="checkbox"/>	<b>Service Kit EPDM SiC</b>	9612711904
<input type="checkbox"/>	<b>Service Kit SFY</b>	9612711806
<input type="checkbox"/>	<b>Service Kit SFY SiC</b>	9612711906

*Not manufactured anymore*



Pos	Qty	Denomination	All Std. Models (NA for CL4311 /CL6410)
9	1	Screw, Seal Gland . . . . .	9612730301
10	1	Seal Gland . . . . .	9612700801
11	1	Front & Rear Stationary Seal Gasket, BUNA . . . . .	9612713002
	1	Front & Rear Stationary Seal Gasket, EPDM . . . . .	9612713001
12	1	Silicone Carbide Stationary Seal . . . . .	9612700001
20	1	O Ring, Stuffing Box BUNA . . . . .	9612730001
	1	O Ring, Stuffing Box EPDM . . . . .	9612730002
	1	O Ring, Stuffing Box SFY . . . . .	9612730003
26	1	Stationary Seal, Rear, Stainless Steel . . . . .	9612711302
27	1	O Ring Stationary Seal, BUNA . . . . .	9612731602
	1	O Ring Stationary Seal, EPDM . . . . .	9612711601
	1	O Ring Stationary Seal, SFY . . . . .	9612731603
47	1	Stuffing Box . . . . .	9612711102
48	1	John Crane Double Seal Type 8B2 - Viton . . . . .	9612731801
	1	John Crane Double Seal Type 8B2 - EPDM . . . . .	9612731802





# 1.3 Circumferential Piston Pumps



## Spare parts

DuraCirc 32-33-34 pump	1.3.564
DuraCirc 42-43 pump	1.3.566
DuraCirc 52-53-54 pump	1.3.568
DuraCirc 62-63 pump	1.3.570
DuraCirc 72-73-74 pump	1.3.572
Single Mechanical Seals - all sizes	1.3.574
Single Flush Seal - all sizes	1.3.576
Double Seal - all sizes	1.3.580
O-Ring Seal Single - all sizes	1.3.584
O-Ring Flush Seal - all sizes	1.3.586
Dynamic: O-Ring kit	1.3.588
Service Kit - Gearbox, Wet End Elastomer, Rotorcase replacement kit	1.3.590
Complete Service Kit	1.3.592

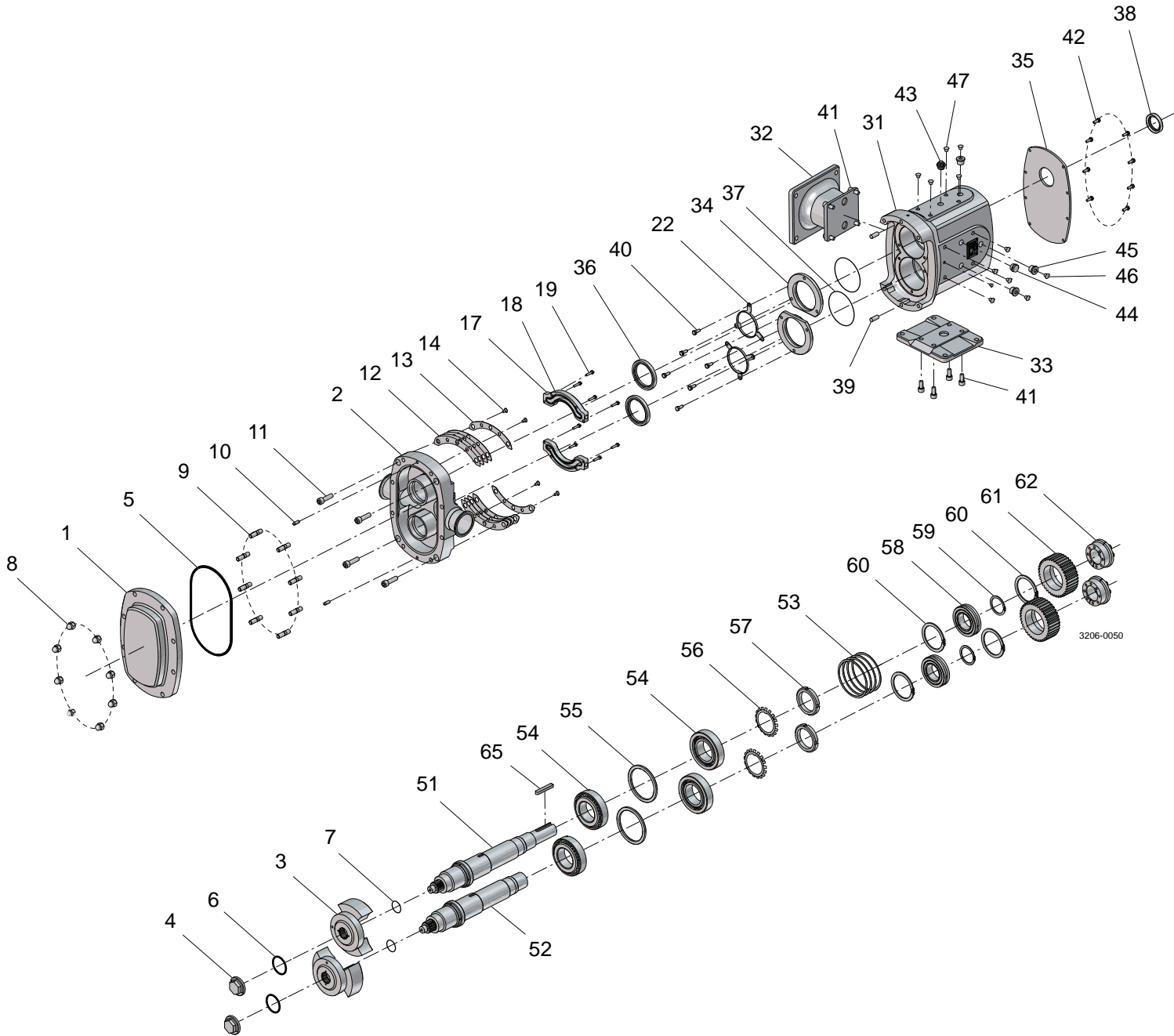
## Spare parts for obsolete product

SCPP1-006, 015, 018, 024	1.3.596
SCPP1-006, 015, 018, 024 - sealing	1.3.600
SCPP1-030, 034	1.3.604
SCPP1-030, 034 - sealing	1.3.608
SCPP1-045, 060, 064, 130, 134	1.3.612
SCPP1-045, 060, 064, 130, 134 - sealing	1.3.616
SCPP1-220, 224	1.3.620
SCPP1-220, 224 - sealing	1.3.624

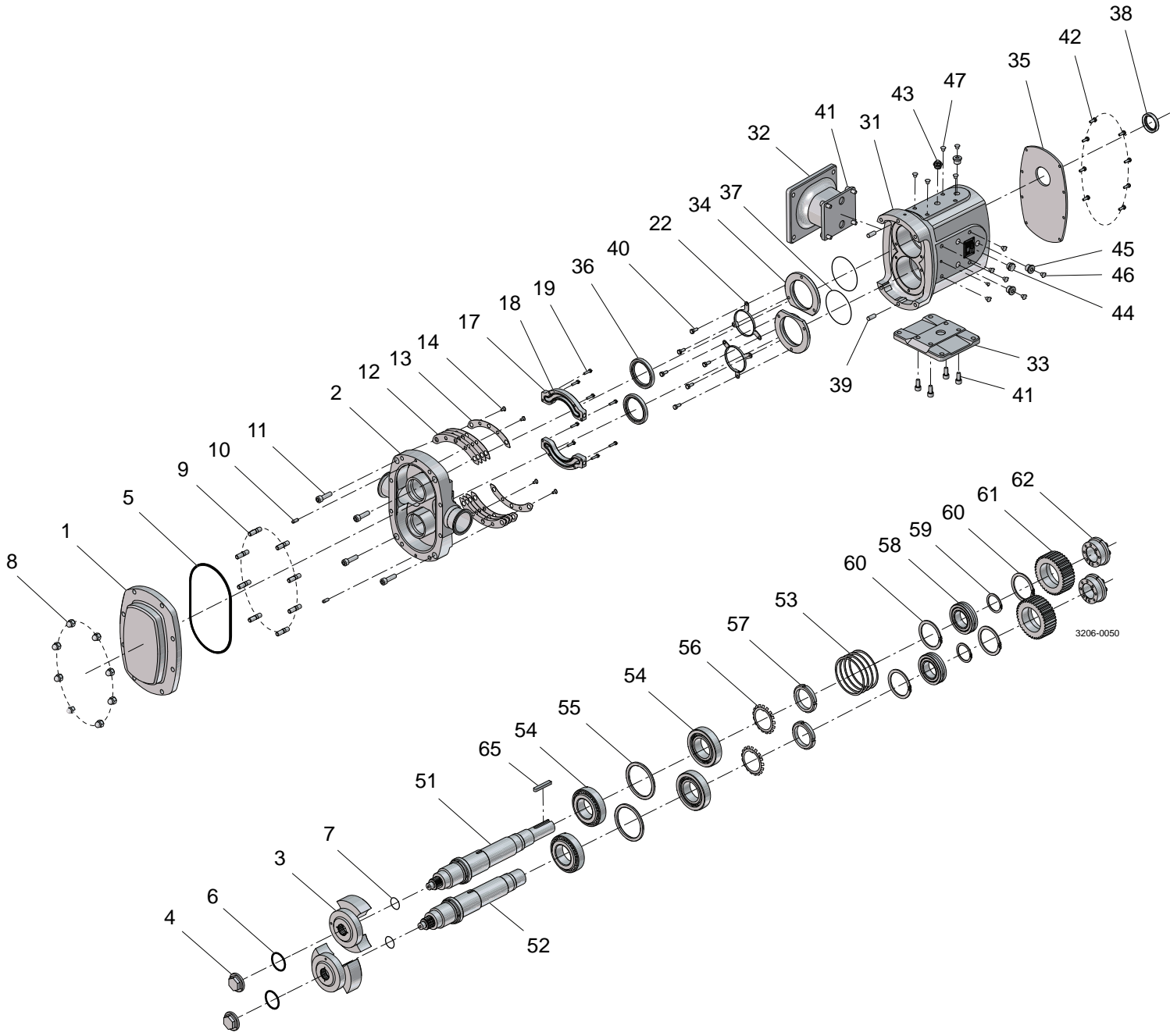
# 1.3 Circumferential Piston Pumps

SCPP1-320 .....	1.3.628
SCPP1-320 - sealing .....	1.3.630
SCPP2-006, 015, 018, 024 .....	1.3.632
SCPP2-006, 015, 018 - sealing .....	1.3.636
SCPP2-030, 034 .....	1.3.638
SCPP2-030, 034 - sealing .....	1.3.642
SCPP2-045, 060, 130, 134 .....	1.3.644
SCPP2-045, 060, 130, 134 - sealing .....	1.3.648
SCPP2-180, 220 .....	1.3.650
SCPP2-180, 220 - sealing .....	1.3.654
SCPP2-210 .....	1.3.656
SCPP2-210 - sealing .....	1.3.660
SCPP2-320 .....	1.3.662
SCPP2-320 - sealing .....	1.3.666

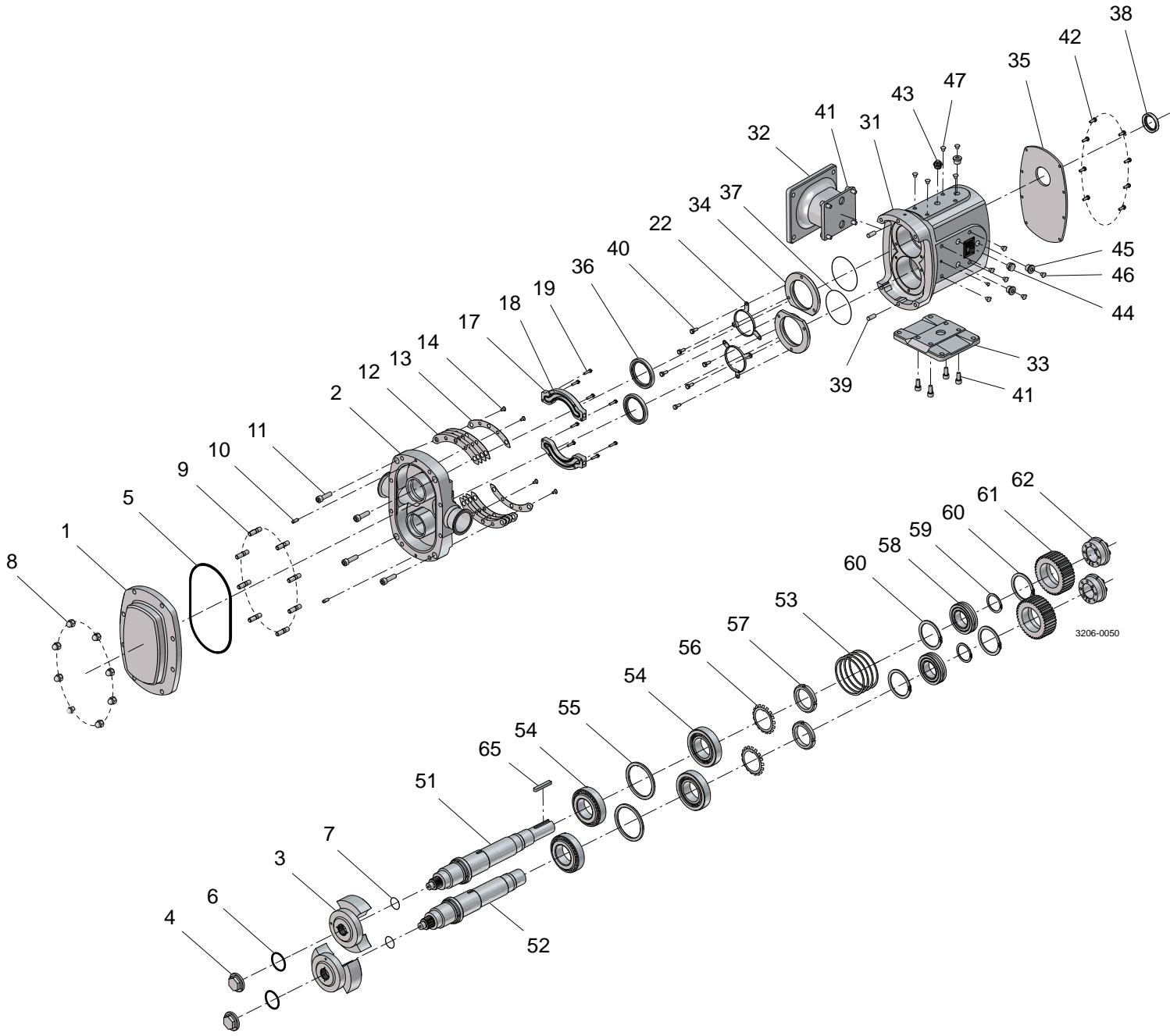




Pos	Qty	Denomination	DuraCirc 32	DuraCirc 33	DuraCirc 34
1	1	Rotorcase Cover	8010001439	8010001439	8010001439
2	1	Rotorcase, Tri clamp	8010006700	8010006701	8010006702
	1	Rotorcase, SMS	8010006703	8010006704	8010006705
	1	Rotorcase, DIN11851	8010006706	8010006707	8010006708
	1	Rotorcase, RJT	8010006709	8010006710	8010006711
	1	Rotorcase IDF	8010006712	8010006713	8010006714
	1	Rotorcase, DIN11864-1-AA	8010006715	8010006716	8010006717
	1	Rotorcase, DIN11864-1-AC	8010006718	8010006719	8010006720
	1	Rotorcase, DIN11864-2-AA	8010006721	8010006722	8010006723
	1	Rotorcase, DIN11864-2-AC	8010006724	8010006725	8010006726
	1	Rotorcase, Uni-Fit Tri clamp	8010006814	8010006817	8010006820
	1	Rotorcase, Uni-Fit SMS	8010006815	8010006818	8010006821
	1	Rotorcase, Uni-Fit DIN11851	8010006816	8010006819	8010006822
3	2	Rotor, Hi-Flow	8010001885	8010001888	8010001890
	2	Rotor, Hi-Life	8010006851	8010006852	8010006853
4	2	Rotor Nut	8010001886	8010001886	8010001886
5	1	P Ring Cover, EPDM	8010002214	8010002214	8010002214
	1	P Ring Cover, FPM	8010003953	8010003953	8010003953
	1	P Ring Cover, FFPM	8010003954	8010003954	8010003954
6	2	P Ring Rotor Nut, EPDM	8010002212	8010002212	8010002212
	2	P Ring Rotor Nut, FPM	8010003966	8010003966	8010003966
	2	P Ring Rotor Nut, FFPM	8010003967	8010003967	8010003967
7	2	O Ring Rotor Shaft	9630035241	9630035241	9630035241
8	8	Dome Nut	9630024095	9630024095	9630024095
9	8	Stud Rotorcase	9630052259	9630052259	9630052259
10	2	Dowel Rotorcase	8010001941	8010001941	8010001941
11	4	Screw Rotorcase	9630024635	9630037029	8010002210
12	2	Shim Set Rotorcase	8010006922	8010006922	8010006922
13	2	Shim Retainer	8010002202	8010002202	8010002202
14	4	Screw Shim Retainer	8010006315	8010006315	8010006315
17	2	Heating Jackets	8010001430	8010001430	8010001430
18	2	O Ring Heating Jacket	8010002220	8010002220	8010002220
19	8	Screw Heating Jacket	8010002221	8010002221	8010002221
20	4	NPT adaptor Heating Jacket	9630922841	9630922841	9630922841
22	2	Guard	8010004964	8010004964	8010004964
31	1	Gearcase	8010002026	8010002026	8010002026
32	1	Gearcase, Foot VP	8010002218	8010002218	8010002218
	1	Gearcase, Foot Vertically Ported	8010006865	8010006865	8010006865
33	1	Gearcase, Foot Uni-Fit Vertically Ported	8010002216	8010002216	8010002216
	1	Gearcase, Foot Horizontally Ported	8010006864	8010006864	8010006864
34	2	Seal Retainer	8010002027	8010002027	8010002027
35	1	Gearcase Cover	8010002028	8010002028	8010002028
36	2	Lip Seal, (Gland End)	8010002074	8010002074	8010002074
37	2	O Ring, (Seal Retainer)	9630681427	9630681427	9630681427
38	1	Lip Seal, (Drive End)	9630040403	9630040403	9630040403
39	2	Dowel, (Gearcase)	9630998448	9630998448	9630998448
40	6	Screw, (Seal Retainer)	9630650425	9630650425	9630650425
41	4	Screw, (Foot)	9630024635	9630024635	9630024635
	4	Screw, (Uni-Fit Horizontally Ported Foot)	9630042399	9630042399	9630042399
	4	Screw, (Uni-Fit Vertically Ported Foot)	9630671726	9630671726	9630671726
42	8	Screw, (Gearcase Cover)	8010002075	8010002075	8010002075
43	1	Breather Plug	9630651688	9630651688	9630651688
44	2	Sight Glass	9630032778	9630032778	9630032778
45	7	Plug, (Gearcase)	8010006224	8010006224	8010006224
46	7	Plug Blanking, (Plug Heads)	9630089949	9630089949	9630089949
47	12	Plug Blanking, (Foot Holes)	9630087278	9630087278	9630087278
51	1	Drive Shaft	8010002029	8010002080	8010002106
52	1	Auxiliary Shaft	8010002030	8010002081	8010002107
53	2	Shim Set Gearbox	8010006927	8010006927	8010006927
54	4	Taper Roller Bearing	8010002076	8010002076	8010002076
55	2	Bearing Spacer	8010002032	8010002032	8010002032
56	2	Tab Washer	8010002033	8010002033	8010002033
57	2	Shaft Nut	9630029137	9630029137	9630029137
58	2	Cylindrical Roller Bearing	8010002077	8010002077	8010002077
59	2	Circlip Shaft	8010002035	8010002035	8010002035
60	4	Circlip Gearbox	8010002036	8010002036	8010002036
61	2	Timing Gear	8010002037	8010002037	8010002037
62	2	Torque Locking Assembly	9630640701	9630640701	9630640701
65	1	Key	9630023916	9630023916	9630023916

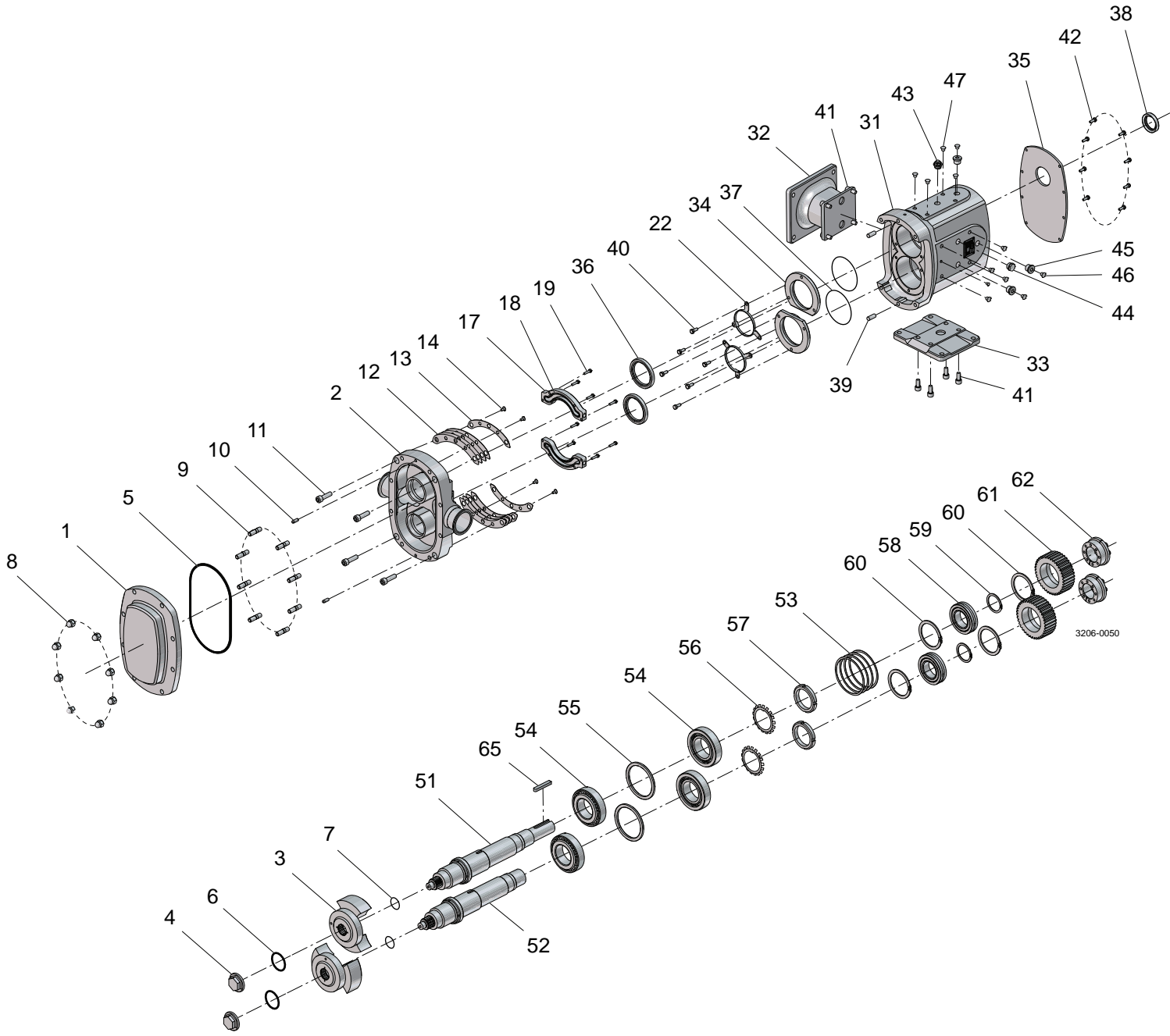


Pos	Qty	Denomination	DuraCirc 42	DuraCirc 43
1	1	Rotorcase Cover	8010001168	8010001168
2	1	Rotorcase, Tri clamp	8010005363	8010006728
	1	Rotorcase, SMS	8010006729	8010006731
	1	Rotorcase, DIN11851	8010006732	8010006734
	1	Rotorcase, RJT	8010006735	8010006737
	1	Rotorcase IDF	8010006739	8010006740
	1	Rotorcase, DIN11864-1-AA	8010006742	8010006744
	1	Rotorcase, DIN11864-1-AC	8010006745	8010006747
	1	Rotorcase, DIN11864-2-AA	8010006748	8010006750
	1	Rotorcase, DIN11864-2-AC	8010006751	8010006753
	1	Rotorcase, Uni-Fit Tri clamp	8010006823	8010006826
	1	Rotorcase, Uni-Fit SMS	8010006824	8010006827
	1	Rotorcase, Uni-Fit DIN11851	8010006825	8010006828
3	2	Rotor, Hi-Flow	8010001503	8010001164
	2	Rotor, Hi-Life	8010006854	8010006855
4	2	Rotor Nut	8010001175	8010001175
5	1	P Ring Cover, EPDM	8010001183	8010001183
	1	P Ring Cover, FPM	8010003956	8010003956
	1	P Ring Cover, FFPM	8010003957	8010003957
6	2	P Ring Rotor Nut, EPDM	8010002222	8010002222
	2	P Ring Rotor Nut, FPM	8010003968	8010003968
	2	P Ring Rotor Nut, FFPM	8010003969	8010003969
7	2	O Ring Rotor Shaft	9630046186	9630046186
8	8	Dome Nut	9630029651	9630029651
9	8	Stud Rotorcase	9630052261	9630052261
10	2	Dowel Rotorcase	8010001941	8010001941
11	4	Screw Rotorcase	9630024599	9630024621
12	2	Shim Set Rotorcase	8010006923	8010006923
13	2	Shim Retainer	8010001181	8010001181
14	4	Screw Shim Retainer	9630050533	9630050533
17	2	Heating Jackets	8010001165	8010001165
18	2	O Ring Heating Jacket	8010005922	8010005922
19	8	Screw Heating Jacket	8010002221	8010002221
20	4	NPT adaptor Heating Jacket	9630922841	9630922841
22	2	Guard	8010004965	8010004965
31	1	Gearcase	8010001162	8010001162
32	1	Gearcase Foot, Vertically Ported	8010001502	8010001502
	1	Gearcase Foot, Uni-Fit Vertically Ported	8010006866	8010006866
33	1	Gearcase Foot, Horizontally Ported	8010001171	8010001171
	1	Gearcase Foot, Uni-Fit Horizontally Ported		
34	2	Seal Retainer	8010001159	8010001159
35	1	Gearcase Cover	8010001161	8010001161
36	2	Lip Seal, (Gland End)	8010001182	8010001182
37	2	O Ring, (Seal Retainer)	9630854105	9630854105
38	1	Lip Seal, (Drive End)	9630023983	9630023983
39	2	Dowel, (Gearcase)	9630998448	9630998448
40	6	Screw, (Seal Retainer)	9630650425	9630650425
41	4	Screw, (Foot)	9630060520	9630060520
	4	Screw, (Uni-Fit Horizontally Ported Foot)	9630060520	9630060520
	4	Screw, (Uni-Fit Vertically Ported Foot)	9630671726	9630671726
42	8	Screw, (Gearcase Cover)	9630650425	9630650425
43	1	Breather Plug	9630651688	9630651688
44	2	Sight Glass	9630032778	9630032778
45	7	Plug, (Gearcase)	8010006224	8010006224
46	7	Plug Blanking, (Plug Heads)	9630089949	9630089949
47	12	Plug Blanking, (Foot Holes)	9630087278	9630087278
51	1	Drive Shaft	8010001139	8010001174
52	1	Auxiliary Shaft	8010001501	8010001163
53	2	Shim Set Gearbox	8010006928	8010006928
54	4	Taper Roller Bearing	9630029032	9630029032
55	2	Bearing Spacer	8010001178	8010001178
56	2	Tab Washer	8010001177	8010001177
57	2	Shaft Nut	9630029138	9630019138
58	2	Cylindrical Roller Bearing	9630095946	9630095946
59	2	Circlip Shaft	8010001940	8010001940
60	4	Circlip Gearbox	9630921573	9630921573
61	2	Timing Gear	8010001160	8010001160
62	2	Torque Locking Assembly	8010001172	8010001172
65	1	Key	9630031499	9630031499



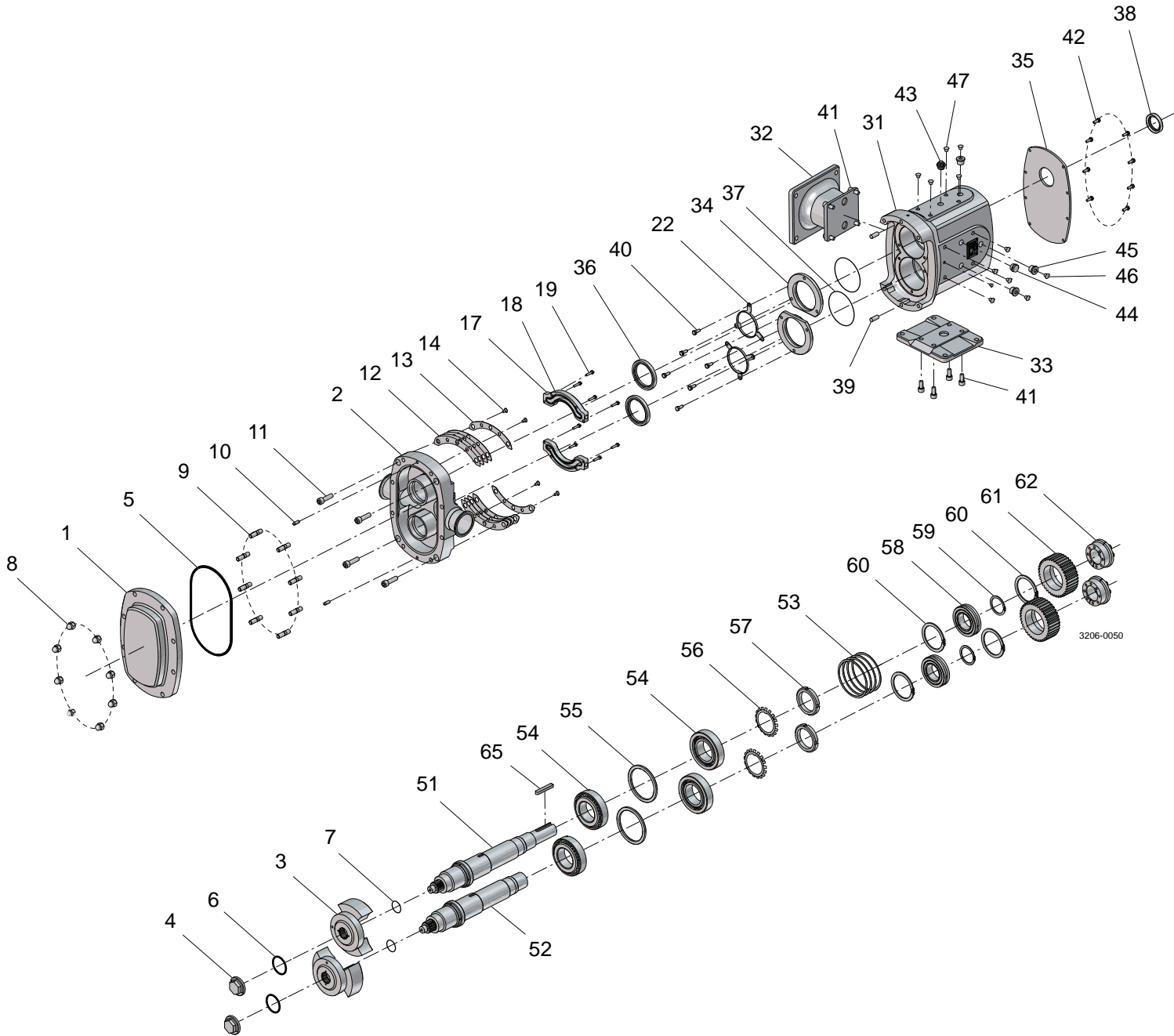


Pos	Qty	Denomination	DuraCirc 52	DuraCirc 53	DuraCirc 54
1	1	Rotorcase Cover	8010001429	8010001429	8010001429
2	1	Rotorcase, Tri clamp	8010006772	8010006754	8010006755
	1	Rotorcase, SMS	8010006773	8010006756	8010006757
	1	Rotorcase, DIN11851	8010006758	8010006759	8010006774
	1	Rotorcase, RJT	8010006775	8010006760	8010006761
	1	Rotorcase, IDF	8010006776	8010006762	8010006763
	1	Rotorcase, DIN11864-1-AA	8010006777	8010006764	8010006765
	1	Rotorcase, DIN11864-1-AC	8010006778	8010006766	8010006767
	1	Rotorcase, DIN11864-2-AA	8010006779	8010006768	8010006769
	1	Rotorcase, DIN11864-2-AC	8010006780	8010006770	8010006771
	1	Rotorcase, Uni-Fit Tri clamp	8010006829	8010006832	8010006835
	1	Rotorcase, Uni-Fit SMS	8010006830	8010006833	8010006836
	1	Rotorcase, Uni-Fit DIN11851	8010006831	8010006834	8010006837
3	2	Rotor, Hi-Flow	8010002300	8010002303	8010002305
	2	Rotor, Hi-Life	8010006856	8010006857	8010006858
4	2	Rotor Nut	8010002301	8010002301	8010002301
5	1	P Ring Cover, EPDM	8010003958	8010003958	8010003958
	1	P Ring Cover, FPM	8010002340	8010002340	8010002340
	1	P Ring Cover, FFPM	8010003959	8010003959	8010003959
6	2	P Ring Rotor Nut, EPDM	8010002341	8010002341	8010002341
	2	P Ring Rotor Nut, FPM	8010003970	8010003970	8010003970
	2	P Ring Rotor Nut, FFPM	8010003971	8010003971	8010003971
7	2	O Ring Rotor Shaft	9630046508	9630046508	9630046508
8	8	Dome Nut	9630024088	9630024088	9630024088
9	8	Stud Rotorcase	9630022111	9630022111	9630022111
10	2	Dowel Rotorcase	8010001941	8010001941	8010001941
11	4	Screw Rotorcase	9630671882	9630671882	9630671881
12	2	Shim Set Rotorcase	8010006924	8010006924	8010006924
13	2	Shim Retainer	8010002279	8010002279	8010002279
14	4	Screw Shim Retainer	9630050533	9630050533	9630050533
17	2	Heating Jackets	8010001431	8010001431	8010001431
18	2	O Ring Heating Jacket	9630038940	9630038940	9630038940
19	8	Screw Heating Jacket	9630026249	9630026249	9630026249
20	4	NPT adaptor Heating Jacket	9630674943	9630674943	9630674943
22	2	Guard	8010004966	8010004966	8010004966
31	1	Gearcase	8010002225	8010002225	8010002225
32	1	Gearcase Foot, Vertically Ported	8010002309	8010002309	8010002309
	1	Gearcase Foot, Uni-Fit Vertically Ported	8010006867	8010006867	8010006867
33	1	Gearcase Foot, Horizontally Ported	8010002307	8010002307	8010002307
48	4	Gearcase Foot, Uni-Fit Horizontally Ported Spacers	8010008243	8010008243	8010008243
34	2	Seal Retainer	8010002226	8010002226	8010002226
35	1	Gearcase Cover	8010001440	8010001440	8010001440
36	2	Lip Seal, (Gland End)	8010002227	8010002227	8010002227
37	2	O Ring, (Seal Retainer)	9630678394	9630678394	9630678394
38	1	Lip Seal, (Drive End)	9630030624	9630030624	9630030624
39	2	Dowel, (Gearcase)	9630998450	9630998450	9630998450
40	6	Screw, (Seal Retainer)	9630024552	9630024552	9630024552
41	4	Screw, (Foot)	9630038966	9630038966	9630038966
	4	Screw, (Uni-Fit Horizontally Ported Foot)	9630671882	9630671882	9630671882
	4	Screw, (Uni-Fit Vertically Ported Foot)	9630671882	9630671882	9630671882
42	8	Screw, (Gearcase Cover)	9630650425	9630650425	9630650425
43	1	Breather Plug	9630651688	9630651688	9630651688
44	2	Sight Glass	9630032778	9630032778	9630032778
45	7	Plug, (Gearcase)	8010006224	8010006224	8010006224
46	7	Plug Blanking, (Plug Heads)	9630089949	9630089949	9630089949
47	12	Plug Blanking, (Foot Holes)	9630089949	9630089949	9630089949
51	1	Drive Shaft	8010002228	8010002270	8010002273
52	1	Auxiliary Shaft	8010002229	8010002271	8010002274
53	2	Shim Set Gearbox	8010006929	8010006929	8010006929
54	4	Taper Roller Bearing	9630029032	9630671229	9630671229
55	2	Bearing Spacer	8010002231	8010002231	8010002231
56	2	Tab Washer	8010002232	8010002232	8010002232
57	2	Shaft Nut	9630671231	9630671231	9630671231
58	2	Cylindrical Roller Bearing	8010002233	8010002233	8010002233
59	2	Circlip Shaft	8010002234	8010002234	8010002234
61	2	Timing Gear	8010002235	8010002235	8010002235
62	2	Torque Locking Assembly	8010002236	8010002236	8010002236
65	1	Key	9630023932	9630023932	9630023932



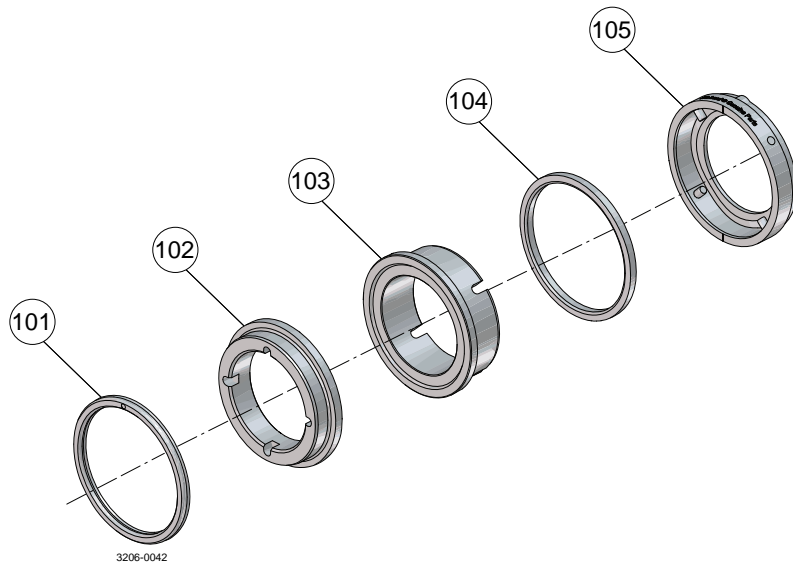
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Pos	Qty	Denomination	DuraCirc 62	DuraCirc 63
1	1	Rotorcase Cover	8010002190	8010002190
2	1	Rotorcase, Tri clamp	8010006781	8010006782
	1	Rotorcase, SMS	8010006783	8010006784
	1	Rotorcase, DIN11851	8010006785	8010006803
	1	Rotorcase, RJT	8010006787	8010006788
	1	Rotorcase, IDF	8010006789	8010006790
	1	Rotorcase, DIN11864-1-AA	8010006791	8010006792
	1	Rotorcase, DIN11864-1-AC	8010006793	8010006794
	1	Rotorcase, DIN11864-2-AA	8010006795	8010006796
	1	Rotorcase, DIN11864-2-AC	8010006797	8010006798
	1	Rotorcase, Uni-Fit Tri clamp	8010006838	8010006841
	1	Rotorcase, Uni-Fit SMS	8010006839	8010006842
	1	Rotorcase, Uni-Fit DIN11851	8010006840	8010006843
3	2	Rotor, Hi-Flow	8010002186	8010002188
	2	Rotor, Hi-Life	8010006859	8010006860
4	2	Rotor Nut	8010001586	8010001586
5	1	P Ring Cover, EPDM	8010003961	8010003961
	1	P Ring Cover, FPM	8010003960	8010003960
	1	P Ring Cover, FFPM	8010003962	8010003962
6	2	P Ring Rotor Nut, EPDM	8010003973	8010003973
	2	P Ring Rotor Nut, FPM	8010003972	8010003972
	2	P Ring Rotor Nut, FFPM	8010003974	8010003974
7	2	O Ring Rotor Shaft	9630023418	9630023418
8	8	Dome Nut	9630024088	9630024088
9	8	Stud Rotorcase	9630022111	9630022111
10	2	Dowel Rotorcase	8010001941	8010001941
11	4	Screw Rotorcase	8010002162	8010002164
12	2	Shim Set Rotorcase	8010006925	8010006925
13	2	Shim Retainer	8010001575	8010001575
14	4	Screw Shim Retainer	9630050533	9630050533
17	2	Heating Jackets	8010002196	8010002196
18	2	O Ring Heating Jacket	8010002197	8010002197
19	8	Screw Heating Jacket	9630027730	9630027730
20	4	NPT adaptor Heating Jacket	9630674943	9630674943
22	2	Guard	8010004967	8010004967
31	1	Gearcase	8010002139	8010002139
32	1	Gearcase Foot, Vertically Ported	8010002194	8010002194
	1	Gearcase Foot, Uni-Fit Vertically Ported	8010006868	8010006868
33	1	Gearcase Foot, Horizontally Ported	8010002192	8010002192
48	4	Gearcase Foot, Uni-Fit Horizontally Ported Spacers	8010008430	8010008430
34	2	Seal Retainer	8010001577	8010001577
35	1	Gearcase Cover	8010002140	8010002140
36	2	Lip Seal, (Gland End)	8010002141	8010002141
37	2	O Ring, (Seal Retainer)	8010001589	8010001589
38	1	Lip Seal, (Drive End)	9630023996	9630023996
39	2	Dowel, (Gearcase)	9630998450	9630998450
40	6	Screw, (Seal Retainer)	9630024552	9630024552
41	4	Screw, (Foot)	9630038966	9630038966
	4	Screw, (Uni-Fit Horizontally Ported Foot)	9630685388	9630685388
	4	Screw, (Uni-Fit Vertically Ported Foot)	9630071266	9630071266
42	8	Screw, (Gearcase Cover)	9630030383	9630030383
43	1	Breather Plug	9630651688	9630651688
44	2	Sight Glass	9630032778	9630032778
45	7	Plug, (Gearcase)	8010006224	8010006224
46	7	Plug Blanking, (Plug Heads)	9630089949	9630089949
47	12	Plug Blanking, (Foot Holes)	9630089949	9630089949
51	1	Drive Shaft	8010001598	8010001599
52	1	Auxiliary Shaft	8010001596	8010001597
53	2	Shim Set Gearbox	8010006930	8010006930
54	4	Taper Roller Bearing	8010002142	8010002142
55	2	Bearing Spacer	8010001574	8010001574
56	2	Tab Washer	8010001595	8010001595
57	2	Shaft Nut	9630029139	9630029139
58	2	Cylindrical Roller Bearing	8010002143	8010002143
59	2	Circlip Shaft	8010001600	8010001600
61	2	Timing Gear	8010002144	8010002144
62	2	Torque Locking Assembly	8010002333	8010002333
65	1	Key	9630023940	9630023940

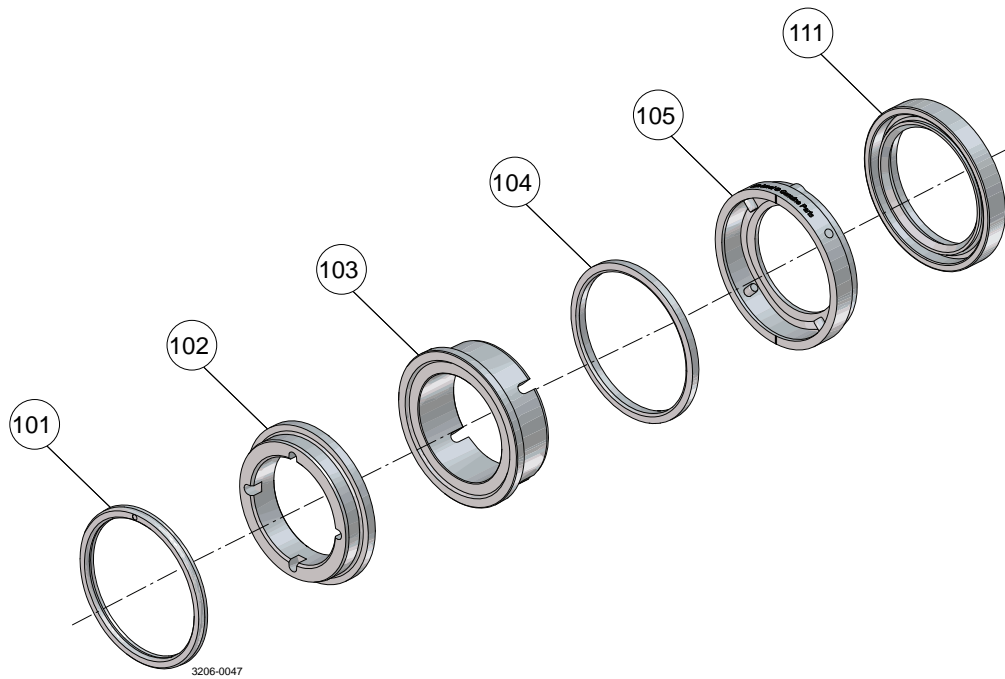


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Pos	Qty	Denomination	DuraCirc 72	DuraCirc 73	DuraCirc 74
1	1	Rotorcase Cover	8010002361	8010002361	8010002361
2	1	Rotorcase, Tri clamp	8010006799	8010006800	8010006801
	1	Rotorcase, SMS	8010006802		
	1	Rotorcase, DIN11851	8010006786	8010006804	8010006805
	1	Rotorcase, RJT	8010006806		
	1	Rotorcase, IDF	8010006807		
	1	Rotorcase, DIN11864-1-AA	8010006808		
	1	Rotorcase, DIN11864-1-AC	8010006809		
	1	Rotorcase, DIN11864-2-AA	8010006810	8010006811	8010006812
	1	Rotorcase, DIN11864-2-AC	8010006813		
	1	Rotorcase, Uni-Fit Tri clamp	8010006844	8010006847	8010006849
	1	Rotorcase, Uni-Fit SMS	8010006845		
	1	Rotorcase, Uni-Fit DIN11851	8010006846	8010006848	8010006850
3	2	Rotor, Hi-Flow	8010002355	8010002357	8010002359
	2	Rotor, Hi-Life	8010006861	8010006862	8010006863
4	2	Rotor Nut	8010001587	8010001587	8010001587
5	1	P Ring Cover, EPDM	8010003964	8010003964	8010003964
	1	P Ring Cover, FPM	8010003963	8010003963	8010003963
	1	P Ring Cover, FFPM	8010003965	8010003965	8010003965
6	2	P Ring Rotor Nut, EPDM	8010003976	8010003976	8010003976
	2	P Ring Rotor Nut, FPM	8010003975	8010003975	8010003975
	2	P Ring Rotor Nut, FFPM	8010003978	8010003978	8010003978
7	2	O Ring Rotor Shaft	9630038926	9630038926	9630038926
8	8	Dome Nut	9630024088	9630024088	9630024088
9	8	Stud Rotorcase	9630052265	9630052265	9630052265
10	2	Dowel Rotorcase	8010001941	8010001941	8010001941
11	4	Screw Rotorcase	9611995300	8010002350	8010002353
12	2	Shim Set Rotorcase	8010006926	8010006926	8010006926
13	2	Shim Retainer	8010001562	8010001562	8010001562
14	4	Screw Shim Retainer	9630050533	9630050533	9630050533
17	2	Heating Jackets	8010002368	8010002368	8010002368
18	2	O Ring Heating Jacket	8010002369	8010002369	8010002369
19	8	Screw Heating Jacket	9630027730	9630027730	9630027730
20	4	NPT adaptor Heating Jacket	9630674943	9630674943	9630674943
22	2	Guard	8010004968	8010004968	8010004968
31	1	Gearcase	8010002324	8010002324	8010002324
32	1	Gearcase Foot, Vertically Ported	8010002366	8010002366	8010002366
	1	Gearcase Foot, Uni-Fit Vertically Ported	8010006869	8010006869	8010006869
33	1	Gearcase Foot, Horizontally Ported	8010002363	8010002363	8010002363
48	4	Gearcase Foot, Uni-Fit Horizontally Ported Spacers	8010008431	8010008431	8010008431
34	2	Seal Retainer	8010001582	8010001582	8010001582
35	1	Gearcase Cover	8010001583	8010001583	8010001583
36	2	Lip Seal, (Gland End)	8010002325	8010002325	8010002325
37	2	O Ring, (Seal Retainer)	9630097609	9630097609	9630097609
38	1	Lip Seal, (Drive End)	8010005620	8010005620	8010005620
39	2	Dowel, (Gearcase)	9630998451	9630998451	9630998451
40	6	Screw, (Seal Retainer)	9630652769	9630652769	9630652769
41	4	Screw, (Foot)	8010002364	8010002364	8010002364
	4	Screw, (Uni-Fit Horizontally Ported Foot)	9611995316	9611995316	9611995316
	4	Screw, (Uni-Fit Vertically Ported Foot)	9630042399	9630042399	9630042399
42	8	Screw, (Gearcase Cover)	9630652769	9630652769	9630652769
43	1	Breather Plug	9630651688	9630651688	9630651688
44	2	Sight Glass	9630032778	9630032778	9630032778
45	7	Plug, (Gearcase)	8010006224	8010006224	8010006224
46	7	Plug Blanking, (Plug Heads)	9630089949	9630089949	9630089949
47	12	Plug Blanking, (Foot Holes)	9630670692	9630670692	9630670692
51	1	Drive Shaft	8010002326	8010002338	8010002344
52	1	Auxiliary Shaft	8010002327	8010002339	8010002345
53	2	Shim Set Gearbox	8010006931	8010006931	8010006931
54	4	Taper Roller Bearing	8010002328	8010002328	8010002328
55	2	Bearing Spacer	8010001557	8010001557	8010001557
56	2	Tab Washer	8010002329	8010002329	8010002329
57	2	Shaft Nut	9630029140	9630029140	9630029140
58	2	Cylindrical Roller Bearing	8010002330	8010002330	8010002330
59	2	Circlip Shaft	8010002331	8010002331	8010002331
61	2	Timing Gear	8010002332	8010002332	8010002332
62	2	Torque Locking Assembly	9630640901	9630640901	9630640901
65	1	Key	8010002334	8010002334	8010002334



Pos	Qty	Denomination	DuraCirc 32/33/34 EPDM	DuraCirc 42/43 EPDM	DuraCirc 52/53/54 EPDM	DuraCirc 62/63 EPDM	DuraCirc 72/73/74 EPDM
*		Complete Mechanical Single Seal Sic/Carbon, EPDM: . . . . .					
101 *	1	Square Ring, EPDM . . . . .	8010006953	8010006954	8010006955	8010006956	8010006957
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, EPDM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
Pos	Qty	Denomination	DuraCirc 32/33/34 FPM	DuraCirc 42/43 FPM	DuraCirc 52/53/54 FPM	DuraCirc 62/63 FPM	DuraCirc 72/73/74 FPM
*		Complete Mechanical Single Seal Sic/Carbon, FPM: . . . . .					
101 *	1	Square Ring, FPM . . . . .	8010006958	8010006959	8010006960	8010006961	8010006962
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, FPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
Pos	Qty	Denomination	DuraCirc 32/33/34 FFPM	DuraCirc 42/43 FFPM	DuraCirc 52/53/54 FFPM	DuraCirc 62/63 FFPM	DuraCirc 72/73/74 FFPM
*		Complete Mechanical Single Seal Sic/Carbon, FFPM: . . . . .					
101 *	1	Square Ring, FFPM . . . . .	8010006963	8010006964	8010006965	8010006966	8010006967
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, FFPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
Pos	Qty	Denomination	DuraCirc 32/33/34 EPDM	DuraCirc 42/43 EPDM	DuraCirc 52/53/54 EPDM	DuraCirc 62/63 EPDM	DuraCirc 72/73/74 EPDM
*		Complete Mechanical Single Seal Sic/Sic, EPDM: . . . . .					
101 *	1	Square Ring, FFPM . . . . .	8010006968	8010006969	8010006970	8010006971	8010006972
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, SiC . . . . .					
104 *	1	Squad Ring, FFPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
Pos	Qty	Denomination	DuraCirc 32/33/34 FPM	DuraCirc 42/43 FPM	DuraCirc 52/53/54 FPM	DuraCirc 62/63 FPM	DuraCirc 72/73/74 FPM
*		Complete Mechanical Single Seal Sic/Sic, FPM: . . . . .					
101 *	1	Square Ring, FPM . . . . .	8010006973	8010006974	8010006975	8010006976	8010006977
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, SiC . . . . .					
104 *	1	Squad Ring, FPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
Pos	Qty	Denomination	DuraCirc 32/33/34 FFPM	DuraCirc 42/43 FFPM	DuraCirc 52/53/54 FFPM	DuraCirc 62/63 FFPM	DuraCirc 72/73/74 FFPM
*		Complete Mechanical Single Seal Sic/Sic, FFPM: . . . . .					
101 *	1	Square Ring, FFPM . . . . .	8010006978	8010006979	8010006980	8010006981	8010006982
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, SiC . . . . .					
104 *	1	Squad Ring, FFPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909





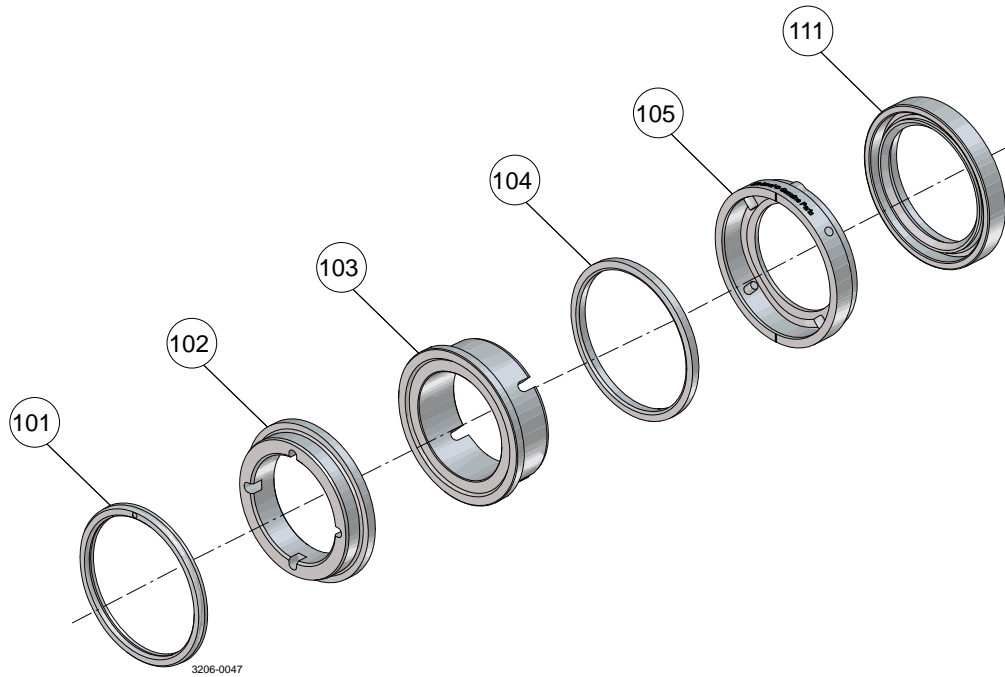
Pos	Qty	Denomination	DuraCirc 32/33/34 EPDM	DuraCirc 42/43 EPDM	DuraCirc 52/53/54 EPDM	DuraCirc 62/63 EPDM	DuraCirc 72/73/74 EPDM
*		Complete Mechanical Single Flushed Seal					
		Sic/Carbon, EPDM: . . . . .	8010006983	8010006984	8010006985	8010006986	8010006987
101 *	1	Square Ring, EPDM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, EPDM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
111 ○*	1	Lip Seal Flush . . . . .	9630029397	8010006320	8010006323	9630061804	9630032802
113	1	Fitting Adaptor (BSP-NPT) . . . . .	9630922841	9630922841	9630674943	9630674943	9630674943

Pos	Qty	Denomination	DuraCirc 32/33/34 FPM	DuraCirc 42/43 FPM	DuraCirc 52/53/54 FPM	DuraCirc 62/63 FPM	DuraCirc 72/73/74 FPM
*		Complete Mechanical Single Flushed Seal					
		Sic/Carbon, FPM: . . . . .	8010006988	8010006989	8010006990	8010006991	8010006992
101 *	1	Square Ring, FPM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, FPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
111 ○*	1	Lip Seal Flush . . . . .	9630029397	8010006320	8010006323	9630061804	9630032802
113	1	Fitting Adaptor (BSP-NPT) . . . . .	9630922841	9630922841	9630674943	9630674943	9630674943

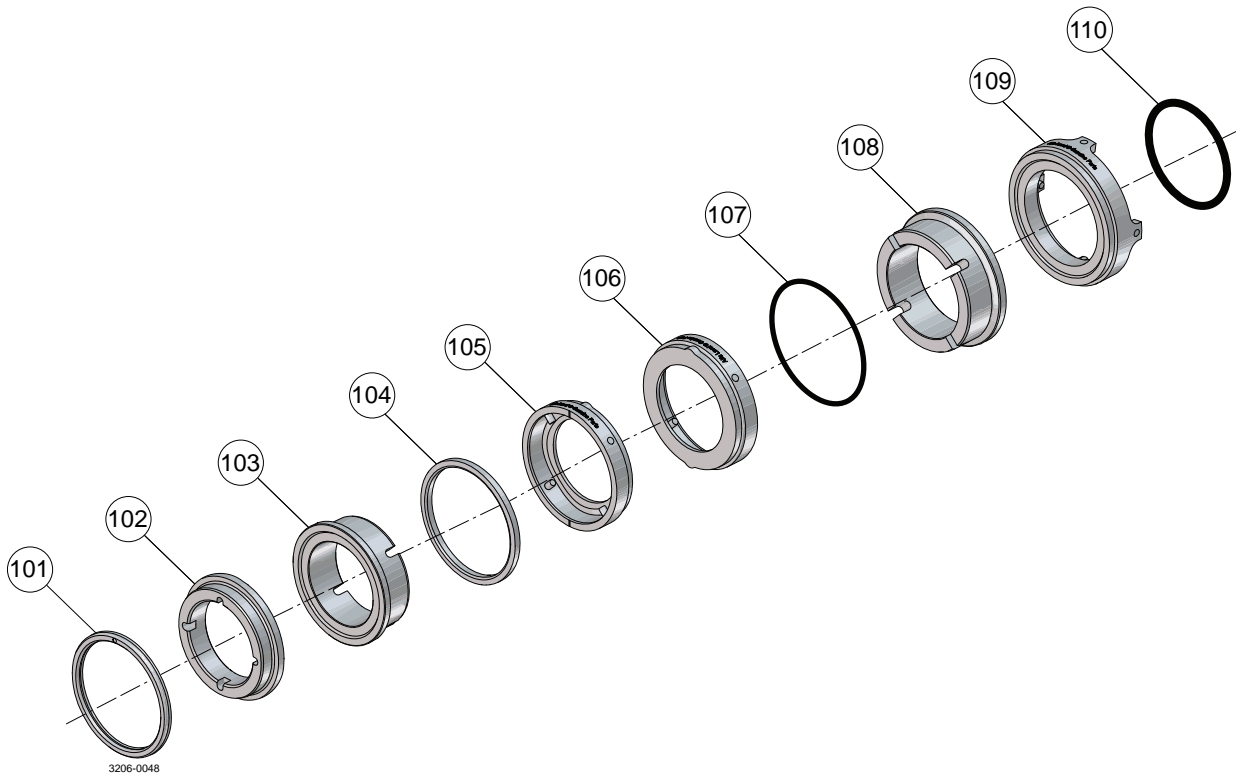
Pos	Qty	Denomination	DuraCirc 32/33/34 FFPM	DuraCirc 42/43 FFPM	DuraCirc 52/53/54 FFPM	DuraCirc 62/63 FFPM	DuraCirc 72/73/74 FFPM
*		Complete Mechanical Single Flushed Seal					
		Sic/Carbon, FFPM: . . . . .	8010006993	8010006994	8010006995	8010006996	8010006997
101 *	1	Square Ring, FFPM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, FFPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
111 ○*	1	Lip Seal Flush . . . . .	9630029397	8010006320	8010006323	9630061804	9630032802
113	1	Fitting Adaptor (BSP-NPT) . . . . .	9630922841	9630922841	9630674943	9630674943	9630674943



Pos	Qty	Denomination	DuraCirc 32/33/34 EPDM	DuraCirc 42/43 EPDM	DuraCirc 52/53/54 EPDM	DuraCirc 62/63 EPDM	DuraCirc 72/73/74 EPDM
*		Complete Mechanical Single Flushed Seal					
		Sic/Sic, EPDM: . . . . .	8010006998	8010006999	8010007000	8010007001	8010007002
101 *	1	Square Ring, EPDM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, SiC . . . . .					
104 *	1	Squad Ring, FPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
111 ○*	1	Lip Seal Flush . . . . .	9630029397	8010006320	8010006323	9630061804	9630032802
113	1	Fitting Adaptor (BSP-NPT) . . . . .	9630922841	9630922841	9630674943	9630674943	9630674943

Pos	Qty	Denomination	DuraCirc 32/33/34 FPM	DuraCirc 42/43 FPM	DuraCirc 52/53/54 FPM	DuraCirc 62/63 FPM	DuraCirc 72/73/74 FPM
*		Complete Mechanical Single Flushed Seal					
		Sic/Sic, FPM: . . . . .	8010007003	8010007004	8010007005	8010007006	8010007007
101 *	1	Square Ring, FPM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, SiC . . . . .					
104 *	1	Squad Ring, FPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
111 ○*	1	Lip Seal Flush . . . . .	9630029397	8010006320	8010006323	9630061804	9630032802
113	1	Fitting Adaptor (BSP-NPT) . . . . .	9630922841	9630922841	9630674943	9630674943	9630674943

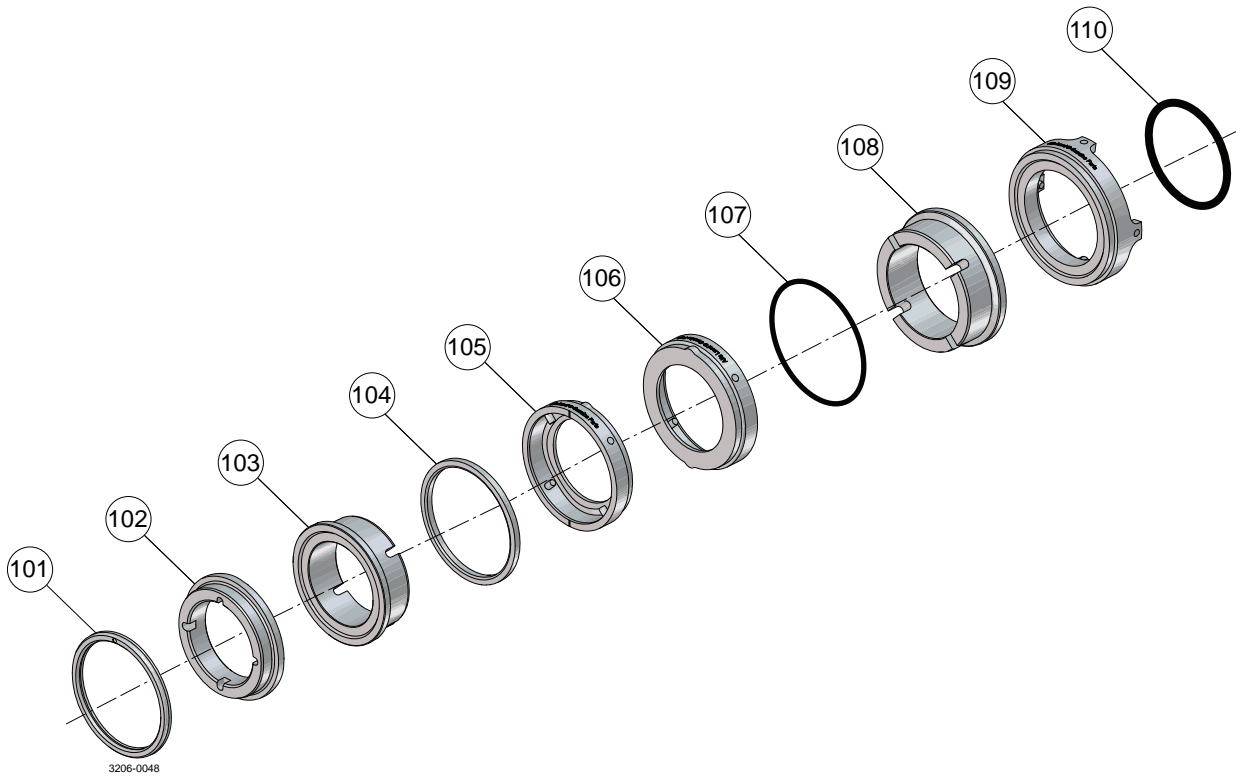
Pos	Qty	Denomination	DuraCirc 32/33/34 FFPM	DuraCirc 42/43 FFPM	DuraCirc 52/53/54 FFPM	DuraCirc 62/63 FFPM	DuraCirc 72/73/74 FFPM
*		Complete Mechanical Single Flushed Seal					
		Sic/Sic, FFPM: . . . . .	8010007008	8010007009	8010007010	8010007011	8010007012
101 *	1	Square Ring, FFPM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, SiC . . . . .					
104 *	1	Squad Ring, FFPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
111 ○*	1	Lip Seal Flush . . . . .	9630029397	8010006320	8010006323	9630061804	9630032802
113	1	Fitting Adaptor (BSP-NPT) . . . . .	9630922841	9630922841	9630674943	9630674943	9630674943



Pos	Qty	Denomination	DuraCirc 32/33/34 EPDM	DuraCirc 42/43 EPDM	DuraCirc 52/53/54 EPDM	DuraCirc 62/63 EPDM	DuraCirc 72/73/74 EPDM
*		Complete Double Seal SiC/Carbon/SiC/Carbon, EPDM:					
101 *	1	Square Ring, EPDM	8010007018	8010007019	8010007020	8010007021	8010007022
102 *	1	Rotary Seat, SiC					
103 *	1	Static Seat, Carbon					
104 *	1	Squad Ring, EPDM					
105	1	Static Assembly	8010006906	8010006907	8010006010	8010006908	8010006909
106	1	Static Assembly Double Seal	8010006910	8010006911	8010006011	8010006912	8010006913
107 *	1	O Ring Static Seal, EPDM					
108 *	1	Static Face, SiC					
109 *	1	Rotary Seal Carbon					
110 *	1	O Ring Rotary Seal, EPDM					

Pos	Qty	Denomination	DuraCirc 32/33/34 FPM	DuraCirc 42/43 FPM	DuraCirc 52/53/54 FPM	DuraCirc 62/63 FPM	DuraCirc 72/73/74 FPM
*		Complete Double SiC/Carbon/SiC/Carbon, FPM:					
101 *	1	Square Ring, FPM	8010007013	8010007014	8010007015	8010007016	8010007017
102 *	1	Rotary Seat, SiC					
103 *	1	Static Seat, Carbon					
104 *	1	Squad Ring, FPM					
105	1	Static Assembly	8010006906	8010006907	8010006010	8010006908	8010006909
106	1	Static Assembly Double Seal	8010006910	8010006911	8010006011	8010006912	8010006913
107 *	1	O Ring Static Seal, FPM					
108 *	1	Static Face, SiC					
109 *	1	Rotary Seal Carbon					
110 *	1	O Ring Rotary Seal, FPM					

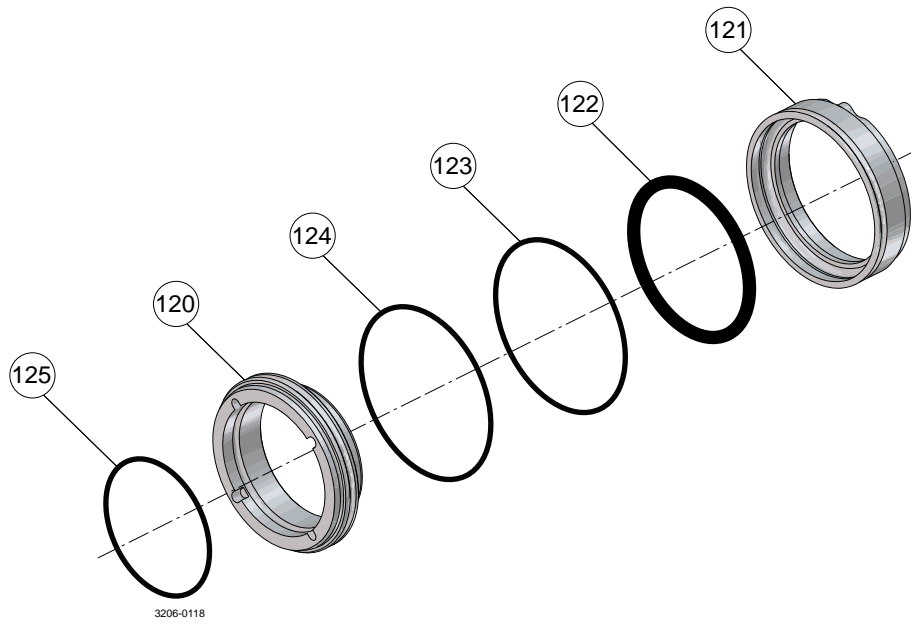
Pos	Qty	Denomination	DuraCirc 32/33/34 FFPM	DuraCirc 42/43 FFPM	DuraCirc 52/53/54 FFPM	DuraCirc 62/63 FFPM	DuraCirc 72/73/74 FFPM
*		Complete Double Seal SiC/Carbon/SiC/Carbon, FFPM:					
101 *	1	Square Ring, FFPM	8010007023	8010007024	8010007025	8010007026	8010007027
102 *	1	Rotary Seat, SiC					
103 *	1	Static Seat, Carbon					
104 *	1	Squad Ring, FFPM					
105	1	Static Assembly	8010006906	8010006907	8010006010	8010006908	8010006909
106	1	Static Assembly Double Seal	8010006910	8010006911	8010006011	8010006912	8010006913
107 *	1	O Ring Static Seal, FPM					
108 *	1	Static Face, SiC					
109 *	1	Rotary Seal Carbon					
110 *	1	O Ring Rotary Seal, FFPM					



Pos	Qty	Denomination	DuraCirc 32/33/34 EPDM	DuraCirc 42/43 EPDM	DuraCirc 52/53/54 EPDM	DuraCirc 62/63 EPDM	DuraCirc 72/73/74 EPDM
*		Complete Double Seal SiC/SiC/SiC/Carbon, EPDM: . . . . .	8010007033	8010007034	8010007035	8010007036	8010007037
101 *	1	Square Ring, EPDM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, EPDM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
106	1	Static Assembly Double Seal . . . . .	8010006910	8010006911	8010006011	8010006912	8010006913
107 *	1	O Ring Static Seal, EPDM . . . . .					
108 *	1	Static Face, SiC . . . . .					
109 *	1	Rotary Seal Carbon . . . . .					
110 *	1	O Ring Rotary Seal, EPDM . . . . .					

Pos	Qty	Denomination	DuraCirc 32/33/34 FPM	DuraCirc 42/43 FPM	DuraCirc 52/53/54 FPM	DuraCirc 62/63 FPM	DuraCirc 72/73/74 FPM
*		Complete Double Seal SiC/SiC/SiC/Carbon, FPM: . . . . .	8010007028	8010007029	8010007030	8010007031	8010007032
101 *	1	Square Ring, FPM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, FPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
106	1	Static Assembly Double Seal . . . . .	8010006910	8010006911	8010006011	8010006912	8010006913
107 *	1	O Ring Static Seal, FPM . . . . .					
108 *	1	Static Face, SiC . . . . .					
109 *	1	Rotary Seal Carbon . . . . .					
110 *	1	O Ring Rotary Seal, FPM . . . . .					

Pos	Qty	Denomination	DuraCirc 32/33/34 FFPM	DuraCirc 42/43 FFPM	DuraCirc 52/53/54 FFPM	DuraCirc 62/63 FFPM	DuraCirc 72/73/74 FFPM
*		Complete Double Seal SiC/SiC/SiC/Carbon, FFPM: . . . . .	8010007038	8010007039	8010007040	8010007041	8010007042
101 *	1	Square Ring, FFPM . . . . .					
102 *	1	Rotary Seat, SiC . . . . .					
103 *	1	Static Seat, Carbon . . . . .					
104 *	1	Squad Ring, FFPM . . . . .					
105	1	Static Assembly . . . . .	8010006906	8010006907	8010006010	8010006908	8010006909
106	1	Static Assembly Double Seal . . . . .	8010006910	8010006911	8010006011	8010006912	8010006913
107 *	1	O Ring Static Seal, FPM . . . . .					
108 *	1	Static Face, SiC . . . . .					
109 *	1	Rotary Seal Carbon . . . . .					
110 *	1	O Ring Rotary Seal, FFPM . . . . .					

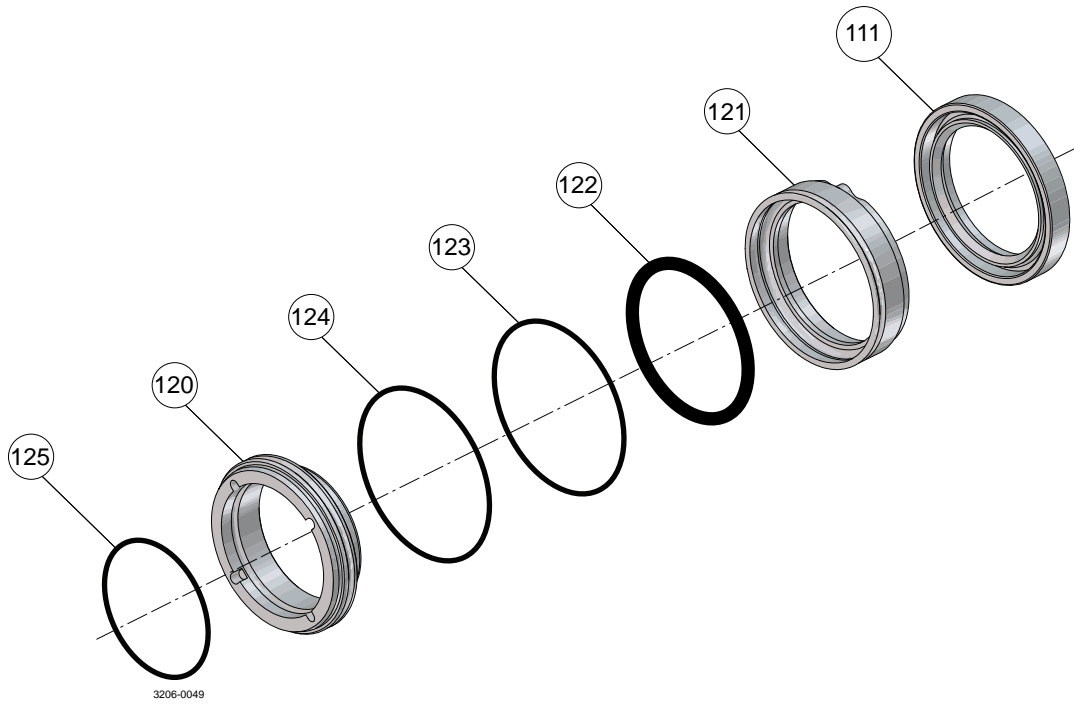




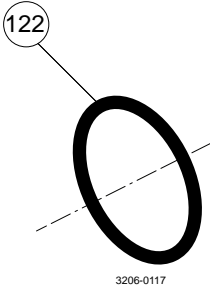
Pos	Qty	Denomination	DuraCirc 32	DuraCirc 33	DuraCirc 34	DuraCirc 42	DuraCirc 43
	1	O-ring seal single kit EPDM	8010007048	8010007048	8010007048	8010007049	8010007049
	1	O-ring seal single kit FPM	8010007043	8010007043	8010007043	8010007044	8010007044
120	1	Sleeve	8010005561	8010005561	8010005561	8010005434	8010005434
121	1	Housing	8010005562	8010005562	8010005562	8010005435	8010005435
122	1	O Ring Dynamic, EPDM					
	1	O Ring Dynamic, FPM					
123	1	O Ring Housing, EPDM					
	1	O Ring Housing, FPM					
124	1	O Ring Sleeve Outer, EPDM					
	1	O Ring Sleeve Outer, FPM					
125	1	O Ring Sleeve Inner, FPM					
126	1	Seal Removal Tool	8010006254	8010006254	8010006254	8010006254	8010006254

Pos	Qty	Denomination	DuraCirc 52	DuraCirc 53	DuraCirc 54	DuraCirc 62	DuraCirc 63
	1	O-ring seal single kit EPDM	8010007050	8010007050	8010007050	8010007051	8010007051
	1	O-ring seal single kit FPM	8010007045	8010007045	8010007045	8010007046	8010007046
120	1	Sleeve	8010005564	8010005564	8010005564	8010005478	8010005478
121	1	Housing	8010005563	8010005563	8010005563	8010005477	8010005477
122	1	O Ring Dynamic, EPDM					
	1	O Ring Dynamic, FPM					
123	1	O Ring Housing, EPDM					
	1	O Ring Housing, FPM					
124	1	O Ring Sleeve Outer, EPDM					
	1	O Ring Sleeve Outer, FPM					
125	1	O Ring Sleeve Inner, FPM					
126	1	Seal Removal Tool	8010006254	8010006254	8010006254	8010006254	8010006254

Pos	Qty	Denomination	DuraCirc 72	DuraCirc 73	DuraCirc 74
	1	O-ring seal single kit EPDM	8010007052	8010007052	8010007052
	1	O-ring seal single kit FPM	8010007047	8010007047	8010007047
120	1	Sleeve	8010005487	8010005487	8010005487
121	1	Housing	8010005488	8010005488	8010005488
122	1	O Ring Dynamic, EPDM			
	1	O Ring Dynamic, FPM			
123	1	O Ring Housing, EPDM			
	1	O Ring Housing, FPM			
124	1	O Ring Sleeve Outer, EPDM			
	1	O Ring Sleeve Outer, FPM			
125	1	O Ring Sleeve Inner, FPM			
126	1	Seal Removal Tool	8010006254	8010006254	8010006254



Pos	Qty	Denomination	DuraCirc 32/33/34	DuraCirc 42/43	DuraCirc 52/53/54	DuraCirc 62/63	DuraCirc 72/73/74
○	1	Single Flushed O-Ring Seal kit EPDM . . . . .	8010007058	8010007059	8010007060	8010007061	8010007062
○	1	Single Flushed O-Ring Seal kit FPM . . . . .	8010007053	8010007054	8010007055	8010007056	8010007057
111 ○	1	Lip Seal Flush . . . . .	9630029397	8010006320	8010006323	9630061804	9630032802
113	1	Fitting Adaptor, (BSP-NPT) . . . . .	9630922841	9630922841	9630674943	9630674943	9630674943
120 □○	1	Sleeve . . . . .	8010005561	8010005434	8010005564	8010005478	8010005487
121 □○	1	Housing . . . . .	8010005562	8010005435	8010005563	8010005477	8010005488
122 □○●	1	O Ring Dynamic, EPDM . . . . .					
□○●	1	O Ring Dynamic, FPM . . . . .					
123 □○	1	O Ring Housing, EPDM . . . . .					
□○	1	O Ring Housing, FPM . . . . .					
124 □○	1	O Ring Sleeve Outer, EPDM . . . . .					
□○	1	O Ring Sleeve Outer, FPM . . . . .					
125 □○	1	O Ring Sleeve Inner, FPM . . . . .					
126 □○	1	Seal Removal Tool . . . . .	8010006254	8010006254	8010006254	8010006254	8010006254

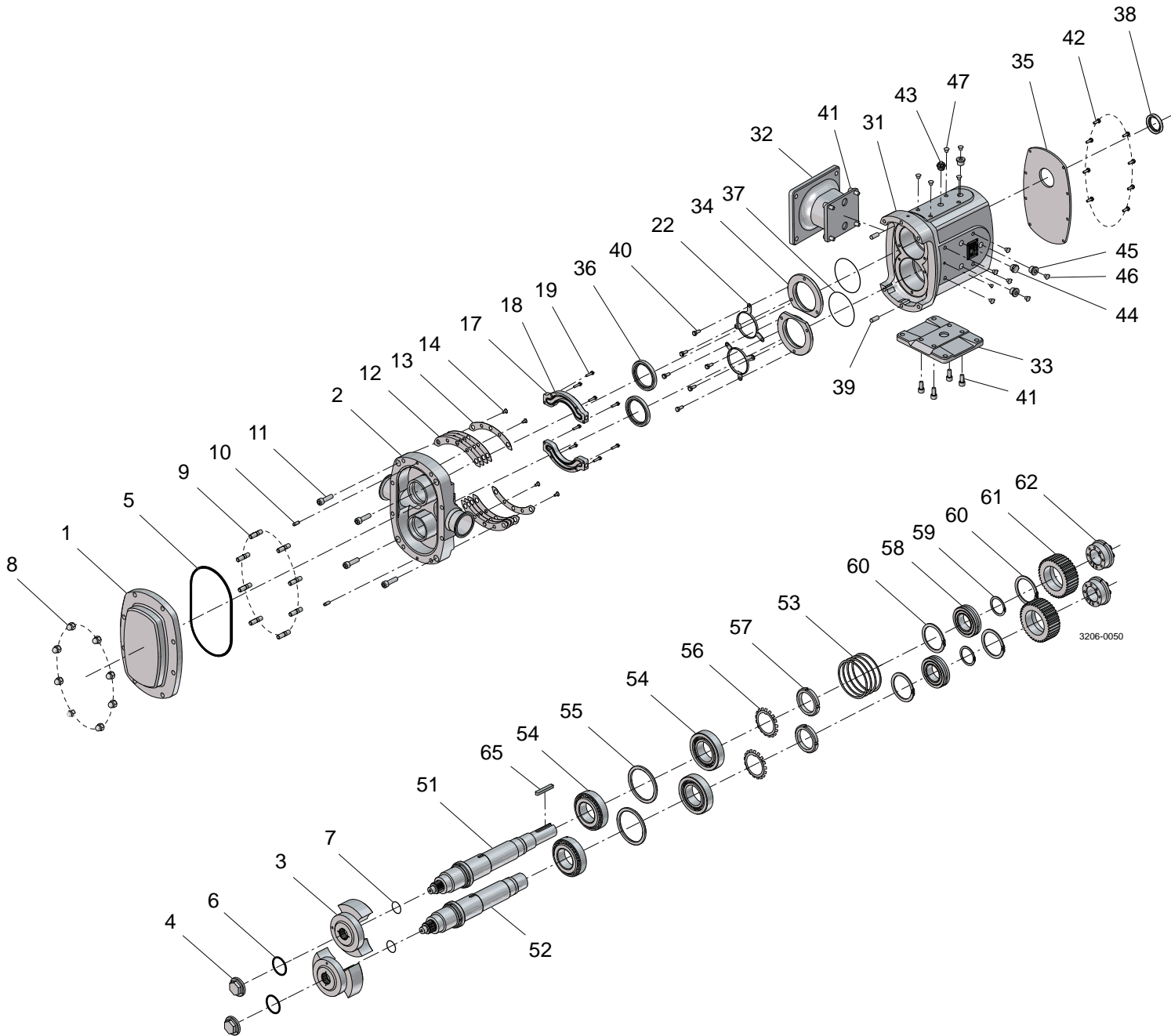


Pos	Qty	Denomination	DuraCirc 32/33/34	DuraCirc 42/43	DuraCirc 52/53/54	DuraCirc 62/63	DuraCirc 72/73/74
•	1	Dynamic O ring Kit EPDM, (pack of 10) . . . . .	8010007063	8010007064	8010007065	8010007066	8010007067
•	1	Dynamic O ring Kit FPM, (pack of 10) . . . . .	8010007068	8010007069	8010007070	8010007071	8010007072

# Service Kit - Gearbox, Wet End Elastomer, Rotorcase replacement kit Circumferential Piston Pumps

1.3

Gearbox elastomer kit comprises of pos 36,37 and 38  
 Wet End elastomer kit comprises of pos 5,6 and 7  
 Rotorcase replacement kit comprises of pos 2,9,10,11,12,13,14



# Circumferential Piston Pumps Service Kit - Gearbox, Wet End Elastomer, Rotorcase replacement kit

1.3

Pos	Qty	Denomination	DuraCirc 32	DuraCirc 33	DuraCirc 34	DuraCirc 42	DuraCirc 43
Δ	1	Gearbox Elastomer Kit	8010006933	8010006933	8010006933	8010006934	8010006934
▲	1	Wet End Elastomer Kit, EPDM	8010006943	8010006943	8010006943	8010006944	8010006944
▲	1	Wet End Elastomer Kit, FPM	8010006938	8010006938	8010006938	8010006939	8010006939
▲	1	Wet End Elastomer Kit, FFPM	8010006948	8010006948	8010006948	8010006949	8010006949
⊗	1	Rotorcase Replacement Kit Clamp	8010007183	8010007192	8010007201	8010007210	8010007219
⊗	1	Rotorcase Replacement Kit, SMS	8010007184	8010007193	8010007202	8010007211	8010007220
⊗	1	Rotorcase Replacement Kit, Din 11851	8010007185	8010007194	8010007203	8010007212	8010007221
⊗	1	Rotorcase Replacement Kit, RJT	8010007186	8010007195	8010007204	8010007213	8010007222
⊗	1	Rotorcase Replacement Kit, IDF	8010007187	8010007196	8010007205	8010007214	8010007223
⊗	1	Rotorcase Replacement Kit, DIN11864-1-AA	8010007188	8010007197	8010007206	8010007215	8010007224
⊗	1	Rotorcase Replacement Kit, DIN11864-1-AC	8010007189	8010007198	8010007207	8010007216	8010007225
⊗	1	Rotorcase Replacement Kit, DIN11864-2-AA	8010007190	8010007199	8010007208	8010007217	8010007226
⊗	1	Rotorcase Replacement Kit, DIN11864-2-AC	8010007191	8010007200	8010007209	8010007218	8010007227

Pos	Qty	Denomination	DuraCirc 52	DuraCirc 53	DuraCirc 54	DuraCirc 62	DuraCirc 63
Δ	1	Gearbox Elastomer Kit	8010006935	8010006935	8010006935	8010006936	8010006936
▲	1	Wet End Elastomer Kit, EPDM	8010006945	8010006945	8010006945	8010006946	8010006946
▲	1	Wet End Elastomer Kit, FPM	8010006940	8010006940	8010006940	8010006941	8010006941
▲	1	Wet End Elastomer Kit, FFPM	8010006950	8010006950	8010006950	8010006951	8010006951
⊗	1	Rotorcase Replacement Kit Clamp	8010007228	8010007237	8010007246	8010007255	8010007264
⊗	1	Rotorcase Replacement Kit, SMS	8010007229	8010007238	8010007247	8010007256	8010007265
⊗	1	Rotorcase Replacement Kit, Din 11851	8010007230	8010007239	8010007248	8010007257	8010007266
⊗	1	Rotorcase Replacement Kit, RJT	8010007231	8010007240	8010007249	8010007258	8010007267
⊗	1	Rotorcase Replacement Kit, IDF	8010007232	8010007241	8010007250	8010007259	8010007268
⊗	1	Rotorcase Replacement Kit, DIN11864-1-AA	8010007233	8010007242	8010007251	8010007260	8010007269
⊗	1	Rotorcase Replacement Kit, DIN11864-1-AC	8010007234	8010007243	8010007252	8010007261	8010007270
⊗	1	Rotorcase Replacement Kit, DIN11864-2-AA	8010007235	8010007244	8010007253	8010007262	8010007271
⊗	1	Rotorcase Replacement Kit, DIN11864-2-AC	8010007236	8010007245	8010007254	8010007263	8010007272

Pos	Qty	Denomination	DuraCirc 72	DuraCirc 73	DuraCirc 74
Δ	1	Gearbox Elastomer Kit	8010006937	8010006937	8010006937
▲	1	Wet End Elastomer Kit, EPDM	8010006947	8010006947	8010006947
▲	1	Wet End Elastomer Kit, FPM	8010006942	8010006942	8010006942
▲	1	Wet End Elastomer Kit, FFPM	8010006952	8010006952	8010006952
⊗	1	Rotorcase Replacement Kit Clamp	8010007273	8010007282	8010007285
⊗	1	Rotorcase Replacement Kit, SMS	8010007274		
⊗	1	Rotorcase Replacement Kit, Din 11851	8010007275	8010007283	8010007286
⊗	1	Rotorcase Replacement Kit, RJT	8010007276		
⊗	1	Rotorcase Replacement Kit, IDF	8010007277		
⊗	1	Rotorcase Replacement Kit, DIN11864-1-AA	8010007278		
⊗	1	Rotorcase Replacement Kit, DIN11864-1-AC	8010007279		
⊗	1	Rotorcase Replacement Kit, DIN11864-2-AA	8010007280	8010007284	8010007287
⊗	1	Rotorcase Replacement Kit, DIN11864-2-AC	8010007281		

1.3



Pos Qty Denomination

A Service kit consists of:

2 x Mech. shaft seals

1 x Wet end Elastomer kit

	EPDM	FPM	FFPM
<b>Complete Service Kit SSS/SiC/Carbon</b>			
Complete Service Kit SSS/SiC/Carbon (32-33-34) . . . . .	8010007073	8010007078	8010007083
Complete Service Kit SSS/SiC/Carbon (42-43) . . . . .	8010007074	8010007079	8010007084
Complete Service Kit SSS/SiC/Carbon (52-53-54) . . . . .	8010007075	8010007080	8010007085
Complete Service Kit SSS/SiC/Carbon (62-63) . . . . .	8010007076	8010007081	8010007086
Complete Service Kit SSS/SiC/Carbon (72-73-74) . . . . .	8010007077	8010007082	8010007087
<b>Complete Service Kit SSS/SiC/SiC</b>			
Complete Service Kit SSS/SiC/SiC (32-33-34) . . . . .	8010007088	8010007093	8010007098
Complete Service Kit SSS/SiC/SiC (42-43) . . . . .	8010007089	8010007094	8010007099
Complete Service Kit SSS/SiC/SiC (52-53-54) . . . . .	8010007090	8010007095	8010007100
Complete Service Kit SSS/SiC/SiC (62-63) . . . . .	8010007091	8010007096	8010007101
Complete Service Kit SSS/SiC/SiC (72-73-74) . . . . .	8010007092	8010007097	8010007102
<b>Complete Service Kit FSS/SiC/Carbon</b>			
Complete Service Kit FSS/SiC/Carbon (32-33-34) . . . . .	8010007103	8010007108	8010007113
Complete Service Kit FSS/SiC/Carbon (42-43) . . . . .	8010007104	8010007109	8010007114
Complete Service Kit FSS/SiC/Carbon (52-53-54) . . . . .	8010007105	8010007110	8010007115
Complete Service Kit FSS/SiC/Carbon (62-63) . . . . .	8010007106	8010007111	8010007116
Complete Service Kit FSS/SiC/Carbon (72-73-74) . . . . .	8010007107	8010007112	8010007117
<b>Complete Service Kit FSS/SiC/SiC</b>			
Complete Service Kit FSS/SiC/SiC (32-33-34) . . . . .	8010007118	8010007123	8010007128
Complete Service Kit FSS/SiC/SiC (42-43) . . . . .	8010007119	8010007124	8010007129
Complete Service Kit FSS/SiC/SiC (52-53-54) . . . . .	8010007120	8010007125	8010007130
Complete Service Kit FSS/SiC/SiC (62-63) . . . . .	8010007121	8010007126	8010007131
Complete Service Kit FSS/SiC/SiC (72-73-74) . . . . .	8010007122	8010007127	8010007132
<b>Complete Service Kit DSS/SiC/Carbon v SiC/Carbon</b>			
Complete Service Kit DSS/SiC/Carbon v SiC/Carbon (32-33-34) . . . . .	8010007133	8010007138	8010007143
Complete Service Kit DSS/SiC/Carbon v SiC/Carbon (42-43) . . . . .	8010007134	8010007139	8010007144
Complete Service Kit DSS/SiC/Carbon v SiC/Carbon (52-53-54) . . . . .	8010007135	8010007140	8010007145
Complete Service Kit DSS/SiC/Carbon v SiC/Carbon (62-63) . . . . .	8010007136	8010007141	8010007146
Complete Service Kit DSS/SiC/Carbon v SiC/Carbon (72-73-74) . . . . .	8010007137	8010007142	8010007147
<b>Complete Service Kit DSS/SiC/SiC v SiC/Carbon</b>			
Complete Service Kit DSS/SiC/SiC v SiC/Carbon (32-33-34)	8010007148	8010007153	8010007158
Complete Service Kit DSS/SiC/SiC v SiC/Carbon (42-43) . .	8010007149	8010007154	8010007159
Complete Service Kit DSS/SiC/SiC v SiC/Carbon (52-53-54)	8010007150	8010007155	8010007160
Complete Service Kit DSS/SiC/SiC v SiC/Carbon (62-63) . .	8010007151	8010007156	8010007161
Complete Service Kit DSS/SiC/SiC v SiC/Carbon (72-73-74)	8010007152	8010007157	8010007162

1.3

A complete service kit O-ring seal consists of:

2 x O-ring seal kits

1 x Wet-end elastomer kit

Complete Service Kit O-Ring Seal

Complete Service Kit O-Ring Seal (32-33-34) . . . . .	8010007163	8010007168
Complete Service Kit O-Ring Seal (42-43) . . . . .	8010007164	8010007169
Complete Service Kit O-Ring Seal (52-53-54) . . . . .	8010007165	8010007170
Complete Service Kit O-Ring Seal (62-63) . . . . .	8010007166	8010007171
Complete Service Kit O-Ring Seal (72-73-74) . . . . .	8010007167	8010007172

Complete Service Kit O-Ring Seal Flushed

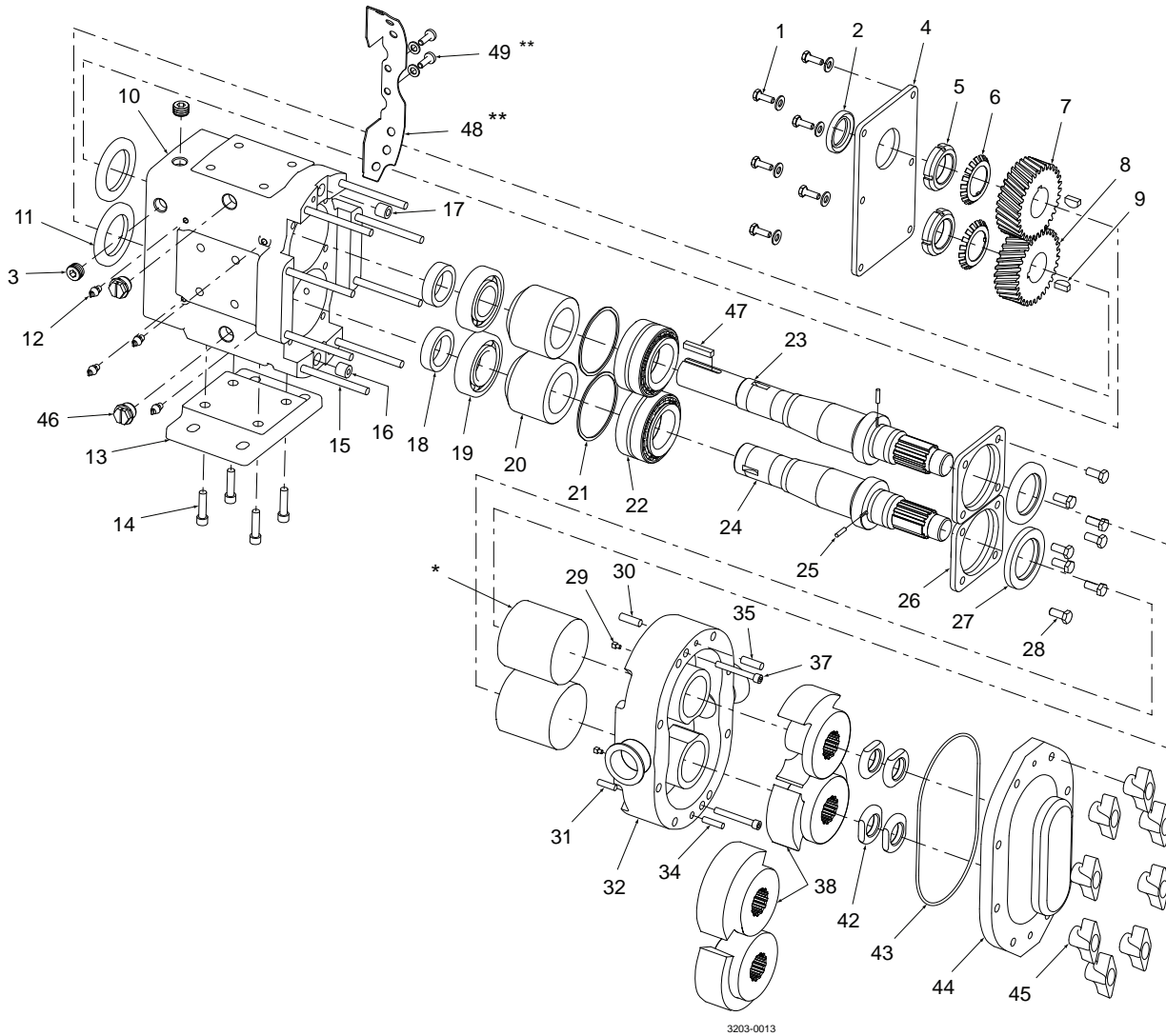
Complete Service Kit O-Ring Seal Flushed (32-33-34) . . . .	8010007173	8010007178
Complete Service Kit O-Ring Seal Flushed (42-43) . . . . .	8010007174	8010007179
Complete Service Kit O-Ring Seal Flushed (52-53-54) . . . .	8010007175	8010007180
Complete Service Kit O-Ring Seal Flushed (62-63) . . . . .	8010007176	8010007181
Complete Service Kit O-Ring Seal Flushed (72-73-74) . . . .	8010007177	8010007182



*Not manufactured anymore*

\* See seal repair parts

\*\* Required for European CE compliance only  
(not mandatory for USA market)

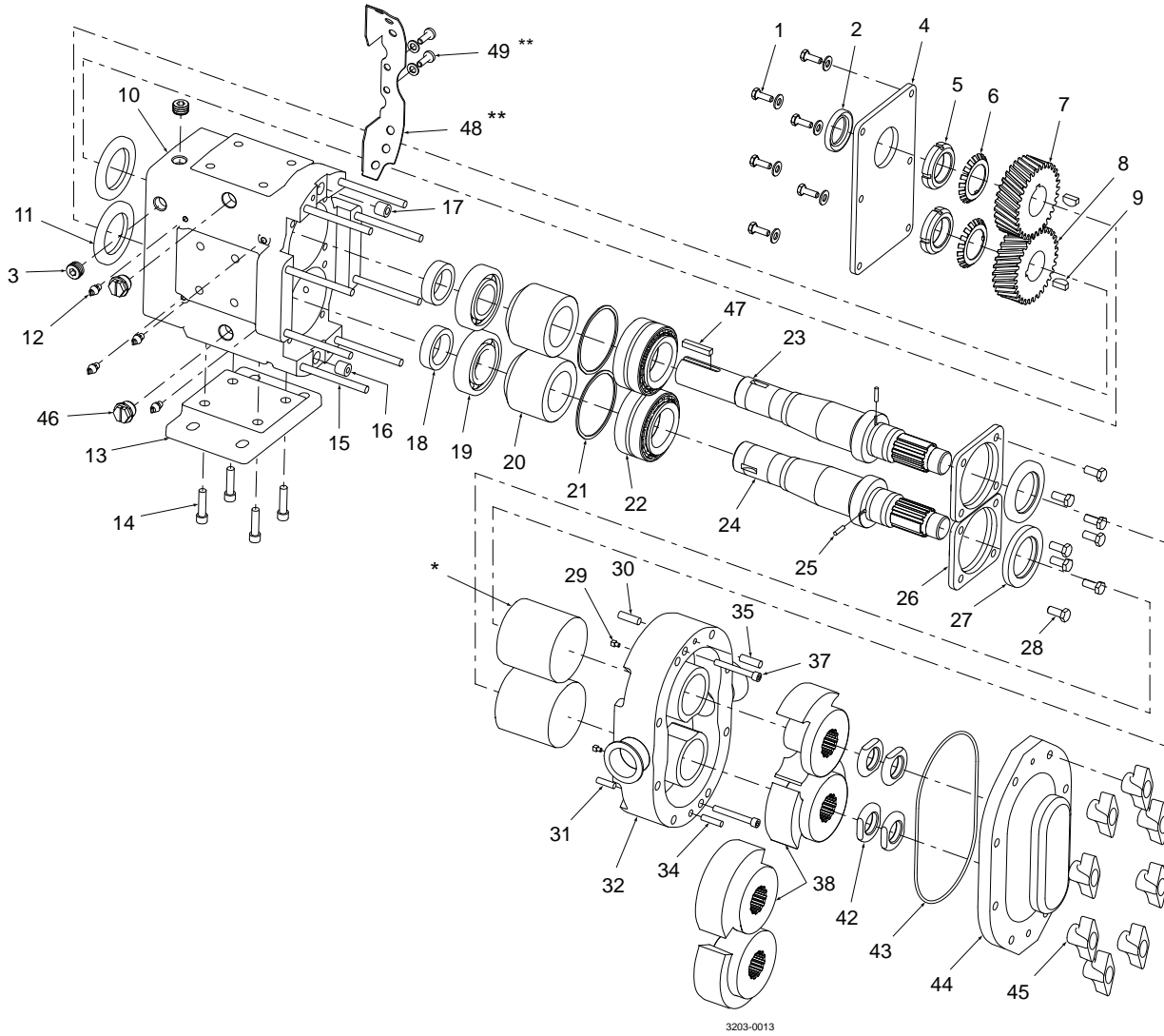


3203-0013

Pos	Qty	Denomination	Reference Part No.	Item Number
1	6	Capscrew, Gear Case Cover, SS		
1a	6	Washer GC Cover Capscrew, SS		9639001102
2	1	Oil Seal - Gear Case Cover	000030016	9639002101
3	4	Oil Level, Drain Plug, SS		
4	1	Gear Case Cover, Steel (includes installed seal)		
5	2	Lock Nut - Gear	STD236005	9639005101
6	2	Lock Washer - Gear	STD136005	9639006101
7	1	Gear Drive Shaft	015007001	9639007101
8	1	Gear Short Shaft	015007002	9639008101
9	2	Key, Gear	015037000	9639009101
10	1	Gear Case, CI		
	1	Gear Case, SS	101831	9639010102
	1	Gear Case, CI (previous version)	020005000	9639110103
11	2	Oil Seal Rear	000030017	9639011101
12	8	Grease Fitting 1/8	BD0092000	9639012101
	8	Grease Fitting 1/8, SS		9639012102
13	1	Mounting Shim (Gear Case Base), CI	020110000	9639013101
	1	Mounting Shim (Gear Case Base), SS		
14	4	Socket Head Capscrew, Mounting Shim, SS		9639014101
15	8	Stud, 006-015	AD0011000	9639015101
	8	Stud Jacketed Cover, 006-015	AD0011J00	9639015103
	8	Stud, 018		9639015102
	8	Stud Jacketed Cover, 018		
16	1	Dowel Bushing, Lower	AD0116100	9639016101
17	1	Dowel Bushing, Upper	AD0116000	9639017101
18	2	Spacer Gear to Rear Bearing		
19	2	Rear Bearing	015035000	9639019101
20	2	Spacer Bearing		
	2	Spacer Bearing (previous version)		
21	2	Shim Kit N/S	117889	9639021101
	2	Shim Kit (previous version)		
22	2	Front Bearing	101714	9639022101
	2	Front Bearing (previous version)	015036000	9639122102
23	1	Drive Shaft (316L SS), 006-015	114642	9639123101
	1	Drive Shaft (316L SS), 006-015 (previous version)	015008000	9639123103
	1	Drive Shaft (316L SS), 018	114644	9639123102
	1	Drive Shaft (316L SS), 018 (previous version)		
24	1	Auxillary Shaft (316L SS), 006-015	114643	9639124101
	1	Auxillary Shaft (316L SS), 006-015 (previous version)	015009000	9639124103
	1	Auxillary Shaft (316L SS), 018		
	1	Auxillary Shaft (316L SS), 018 (previous version)		
25	2	Drive Pin	CD0126000	9639125101
26	2	Bearing Retainer Front		
	2	Bearing Retainer Front (previous version 1)	015080000	9639026102
	2	Bearing Retainer Front (previous version 2)		
27	2	Grease Seal Front Brg Ret	121679	9639027101
	2	Grease Seal Front Brg Ret (previous version 1)	000030018	9639027102
	2	Grease Seal Front Brg Ret (previous version 2)	101716	9639027103
28	8	Button Head Cap Screw, Bearing Retainer, SS		
29	2	Stop Pin Seal	015126000	9639129101
30	1	Dowel Pin, Upper Gear Case Side	AD0040R00	9639030101
31	1	Dowel Pin, Lower Gear Case Side	AD0040R10	9639031101
32	1	Rotorcase, 006 - 1" Triclamp		
	1	Rotorcase, 006 - 1.1/2" Triclamp		9639132102
	1	Rotorcase, 015 - 1.1/2" Triclamp		
	1	Rotorcase, 015 - 2" Triclamp		9639132104
	1	Rotorcase, 018 - 1.1/2" Triclamp		
	1	Rotorcase, 018 - 2" Triclamp		9639132106
	1	Rotorcase for Flush, 006 - 1" Triclamp		
	1	Rotorcase for Flush, 006 - 1.1/2" Triclamp		9639132112
	1	Rotorcase for Flush, 015 - 1.1/2" Triclamp		
	1	Rotorcase for Flush, 015 - 2" Triclamp		9639132114
	1	Rotorcase for Flush, 018 - 1.1/2" Triclamp		
	1	Rotorcase for Flush, 018 - 2" Triclamp		9639132116
34	1	Dowel (lower cover)	AD0040100	9639034101
35	1	Dowel (upper cover)	AD0040000	9639035101
37	2	Rotorcase Retaining Screw, 006-015	30523	9639037101
	2	Rotorcase Retaining Screw, 018		9639037201
38	2	Rotor Twin Blade, Non-Galling Alloy, 006		
	2	Rotor Twin Blade, Non-Galling Alloy, 015	015010000	9639138102
	2	Rotor Twin Blade, Non-Galling Alloy, 018	018010000	9639138103

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only  
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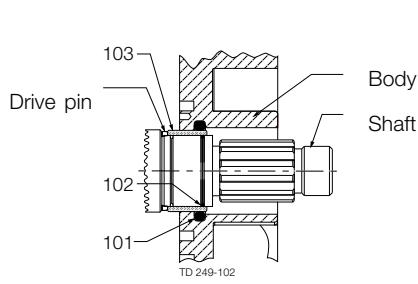


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
42	4	Jam Nut	AD0052001	9639142101	
43	1	Cover O-Ring - NBR	N70252	9639143101	
	1	Cover O-Ring - EPDM	E70252	9639143102	
	1	Cover O-Ring - FPM	V70252	9639143103	
	1	Cover O-Ring - Silicone	S75252	9639143104	
44	1	Pump Cover	AD0002S00	9639144101	
	1	Pump Cover - Jacketed		9639144102	
45	8	Wing Nut - For pumps used within USA	105850	9639045101	
	8	Hex Nut	108369	9639045102	
46	4	Large Cleanout Plug		9639046101	
47	1	Drive Shaft Key	000037001	9639047101	
48	2	Seal Guards, SS			
49	4	Fastener, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O Ring Removal Tool	AD0096001	9639090101	
	4	Rotor Nut Wrench	109895	9639090201	
	4	Oil, Magna-Plate 460-FG, 1-gal			
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	12	Plastic Cap Tapped Holes, Mounting Pad			
	2	Eye Bolt	30360	9639090801	
			<b>EPDM</b>	<b>NBR</b>	<b>FPM</b>

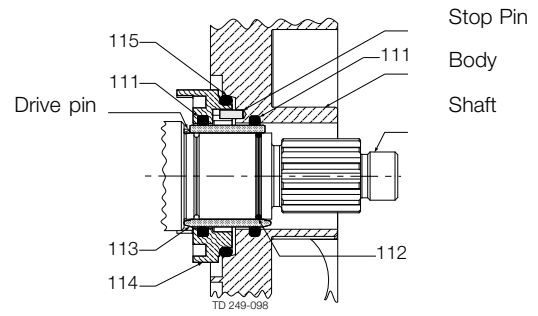
Service kit for SCPP1/006/015/018

•	Service kit, Single O-Ring Seal/Stainless Steel Sleeve	9639103012	9639103001	9639103023
•	Service kit, Single O-Ring Seal/Zircona Sleeve	9639103013	9639103002	9639103024
▲	Service kit, Double O-Ring Seal/Stainless Steel Sleeve	9639103014	9639103003	9639103025
▲	Service kits, Double O-Ring Seal/Zircona Sleeve	9639103015	9639103004	9639103026
◇	Service kit, Single Mechanical Seal/SC, C	9639103018	9639103007	9639103029
◇	Service kit, Single Mechanical Seal/SC, SC	9639103019	9639103008	9639103030
◇	Service kit, Single Mechanical Seal/CER, C	9639103020	9639103009	9639103031
□	Service kit, Double Mechanical Seal/SC, SC/C	9639103021	9639103010	9639103032

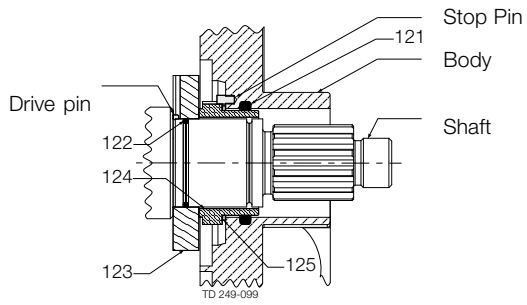
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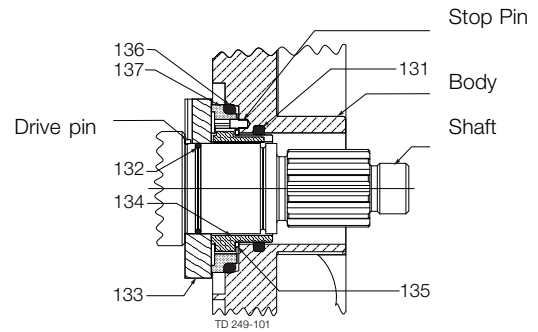
Single O-ring Seal



Double O-ring Seal



Single Mechanical Seal

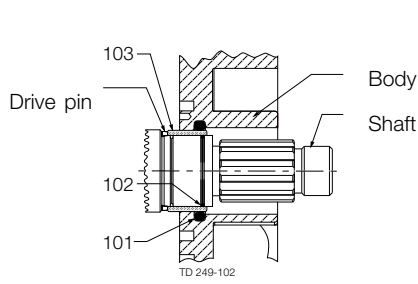


Double Mechanical Seal

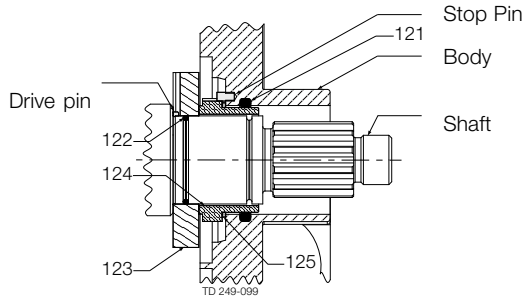


Pos	Qty	Denomination	Reference Part	
			No.	Item Number
<b>Single O-ring Seal:</b>				
101 •	2	Rotorcase O-ring - NBR	AD0079000	9639161101
	2	Rotorcase O-ring - EPDM	AD0079002	9639161102
	2	Rotorcase O-ring - FPM	AD0079V00	9639161103
102 •	2	Rotorcase O-ring - Silicone	AD0079SCO	9639161104
	2	Shaft O-ring - NBR	N70022	9639162101
	2	Shaft O-ring - EPDM	E70022	9639162102
	2	Shaft O-ring - FPM	V70022	9639162103
	2	Shaft O-ring - Silicone	S75022	9639162104
103 •	2	Sleeve SS	015098000	9639163101
	2	Sleeve Zirconia	015098004	9639163102
	2	Chrome Oxide Coated SS Sleeve	015098002	9639163103
<b>Double O-ring Seal:</b>				
111 ▲	4	Rotorcase O-ring - NBR	AD0079000	9639161101
	4	Rotorcase O-ring - EPDM	AD0079002	9639161102
	4	Rotorcase O-ring - FPM	AD0079V00	9639161103
	4	Rotorcase O-ring - Silicone	AD0079SCO	9639161104
112 ▲	2	Shaft O-ring - NBR	N70022	9639162101
	2	Shaft O-ring - EPDM	E70022	9639162102
	2	Shaft O-ring - FPM	V70022	9639162103
	2	Shaft O-ring - Silicone	S75022	9639162104
113 ▲	2	Sleeve SS	015098000	9639163101
	2	Sleeve Zirconia	015098004	9639163102
	2	Chrome Oxide Coated SS Sleeve	015098002	9639163103
114 ▲	2	O-ring Seal Carrier	015034001	9639164101
	2	O-ring Seal Carrier (previous version)	015034000	9639164102
115 ▲	2	Outer Seal O-ring - NBR	N50228	9639165101
	2	Outer Seal O-ring - EPDM	E50228	9639165102
	2	Outer Seal O-ring - FPM	V50228	9639165103
<b>Single Mechanical Seal:</b>				
121 ✦	2	Rotorcase O-ring - NBR	AD0079000	9639161101
	2	Rotorcase O-ring - EPDM	AD0079002	9639161102
	2	Rotorcase O-ring - FPM	AD0079V00	9639161103
	2	Rotorcase O-ring - Silicone	AD0079SCO	9639161104
122 ✦	2	Shaft O-ring - NBR	N70022	9639162101
	2	Shaft O-ring - EPDM	E70022	9639162102
	2	Shaft O-ring - FPM	V70022	9639162103
	2	Shaft O-ring - Silicone	S75022	9639162104
123 ✦	2	Seal Seat Ceramic	015014002	9639167102
	2	Seal Seat Silicon Carbide	015014009	9639167103
	2	Seal Seat Chrome Oxide	015014001	9639167104
124 ✦	2	Seal Inner Carbon - 1 piece	015306007	9639168101
	2	Seal Inner Ceramic	40635	9639168102
	2	Seal Inner Silicon Carbide	015306009	9639168103
	2	Seal Inner Chrome Oxide	015306002	9639168104
125 ✦	2	Wave Spring	015304000	9639169101
<b>Double Mechanical Seal:</b>				
131 □	2	Rotorcase O-ring - NBR	AD0079000	9639161101
	2	Rotorcase O-ring - EPDM	AD0079002	9639161102
	2	Rotorcase O-ring - FPM	AD0079V00	9639161103
	2	Rotorcase O-ring - Silicone	AD0079SCO	9639161104
132 □	2	Shaft O-ring - NBR	N70022	9639162101
	2	Shaft O-ring - EPDM	E70022	9639162102
	2	Shaft O-ring - FPM	V70022	9639162103
	2	Shaft O-ring - Silicone	S75022	9639162104
133 □	2	Seal Seat Ceramic	015014002	9639167102
	2	Seal Seat Silicon Carbide	015014009	9639167103
	2	Seal Seat Chrome Oxide	015014001	9639167104
134 □	2	Seal Inner Carbon	015306007	9639168101
	2	Seal Inner Ceramic	40635	9639168102
	2	Seal Inner Silicon Carbide	015306009	9639168103
	2	Seal Inner Chrome Oxide	015306002	9639168104
135 □	2	Wave Spring	015304000	9639169101
136 □	2	Outer Seal O-ring - NBR	N50228	9639165101
	2	Outer Seal O-ring - EPDM	E50228	9639165102
	2	Outer Seal O-ring - FPM	V50228	9639165103
137 □	2	Seal Outer Carbon	015206007	9639170101

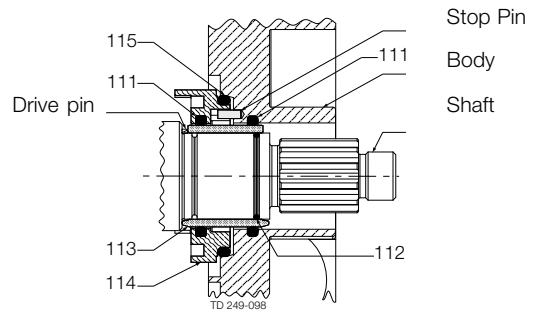
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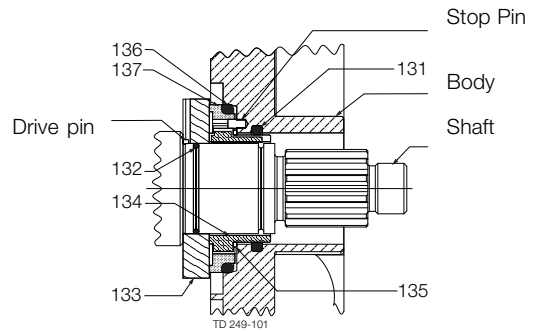
Single O-ring Seal



Single Mechanical Seal



Double O-ring Seal



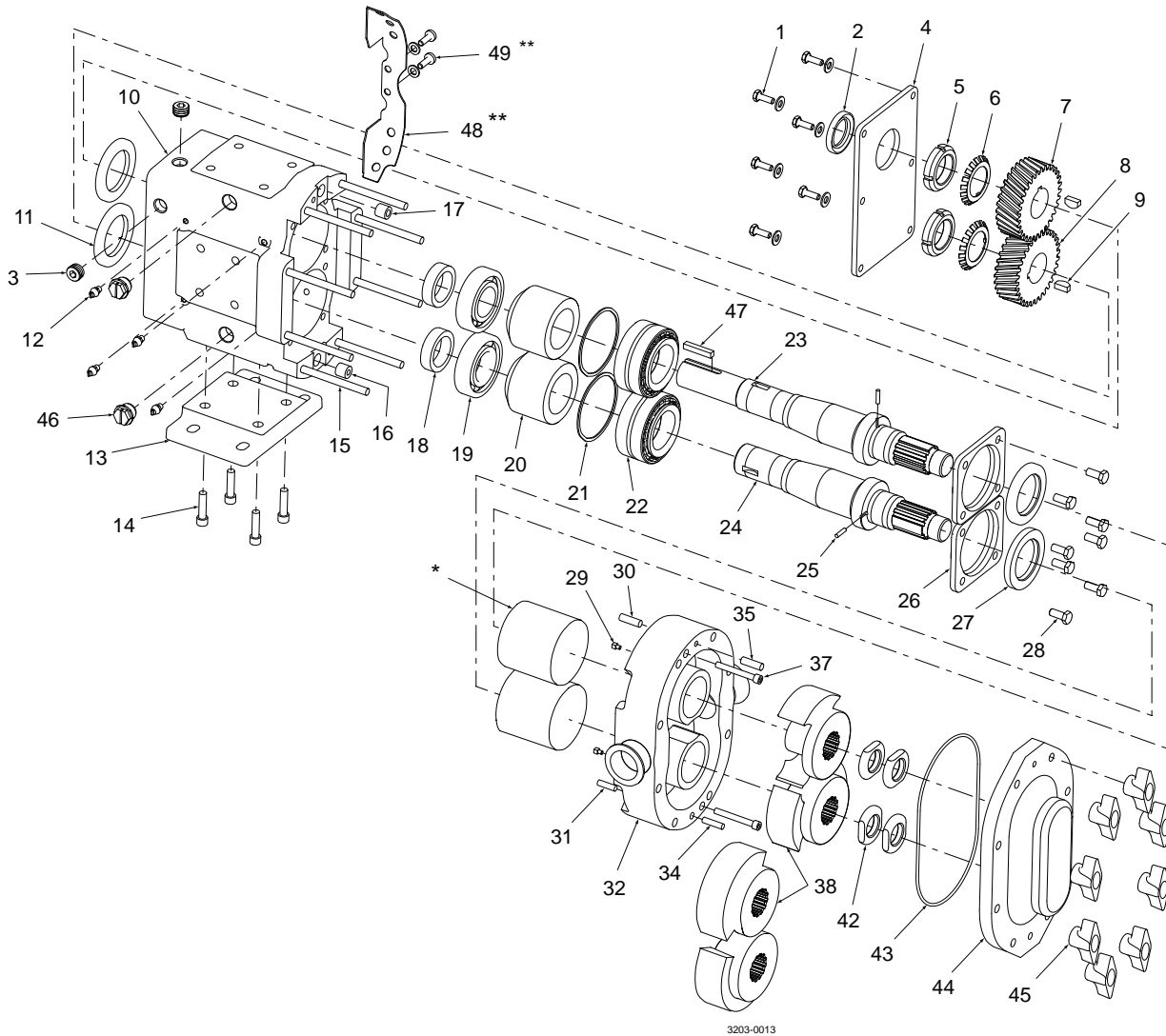
Double Mechanical Seal

		EPDM	NBR	FPM
<b>Service sealing kit for SCPP1/006/015/018</b>				
□	Seal kit, Double Mechanical Seal/SC, SC/C . . . . .	9639102001	9639102011	9639102006
▲	Seal kit, Double O-Ring Seal/Stainless Steel Sleeve . . . . .	9639102015	9639102023	9639102019
▲	Seal kit, Double O-Ring Seal/Zircona Sleeve . . . . .	9639102027	9639102035	9639102031
◇	Seal kit, Single Mechanical Seal/CER, C . . . . .	9639102039	9639102047	9639102043
◇	Seal kit, Single Mechanical Seal/SC, C . . . . .	9639102051	9639102061	9639102056
◇	Seal kit, Single Mechanical Seal/SC, SC . . . . .	9639102065	9639102073	9639102069
●	Seal kit, Single O-Ring Seal/Stainless Steel Sleeve . . . . .	9639102077	9639102085	9639102081
●	Seat kit, Single O-Ring Seal/Zircona Sleeve . . . . .	9639102089	9639102097	9639102093

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only

(not mandatory for USA market)

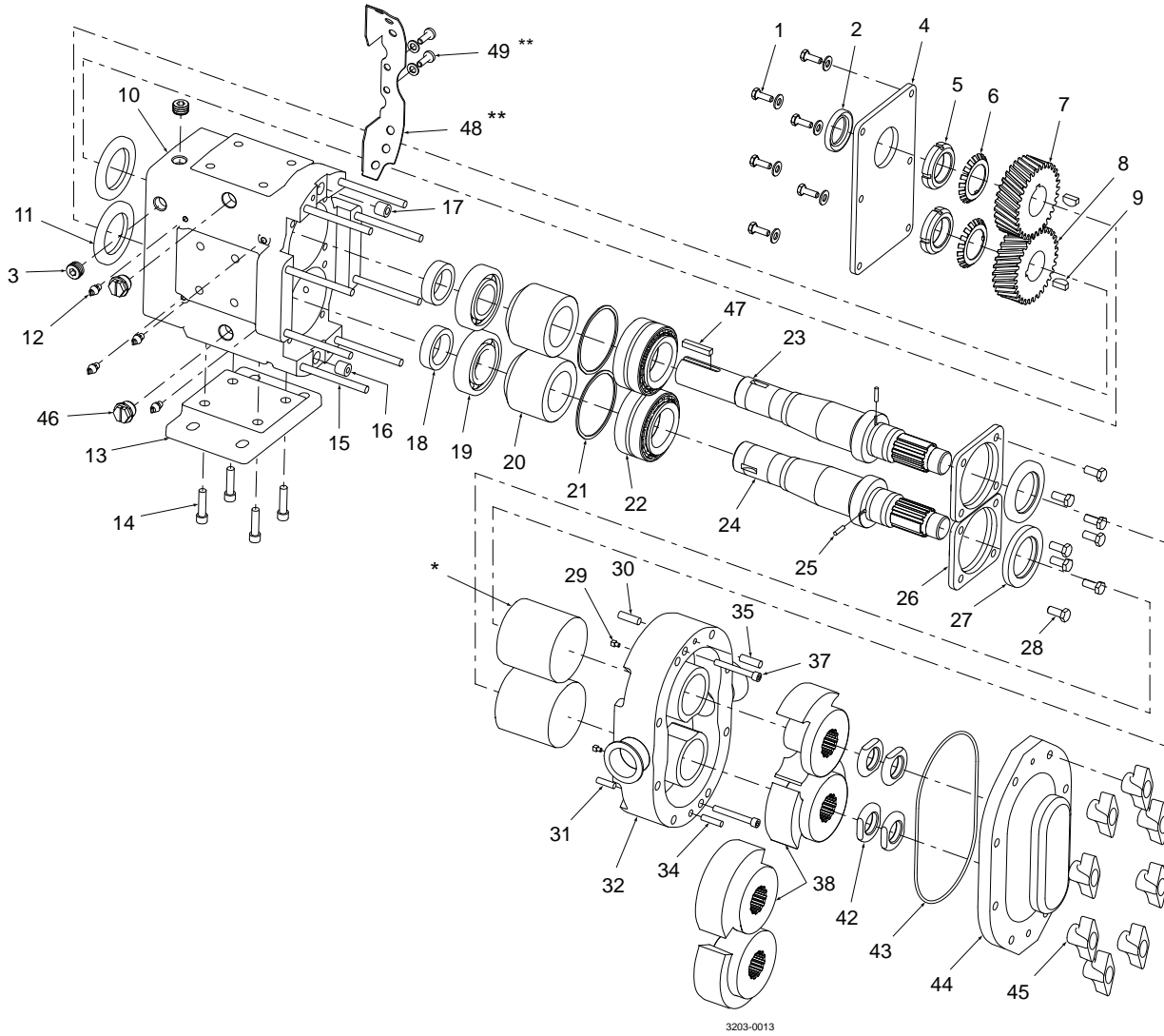


3203-0013

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS		
1a	6	Washer GC Cover Capscrew, SS		9639001102
2	1	Oil Seal - Gear Case Cover	000030013	9639002201
3	4	Oil Level, Drain Plug, SS		9639003201
4	1	Gear Case Cover, Steel (includes installed seal)		
	1	Gear Case Cover, SS (includes installed seal)		
5	2	Lock Nut - Gear	CD0036N00	9639005201
6	2	Lock Washer - Gear	CD0036W00	9639006201
7	1	Gear Drive Shaft		
8	1	Gear Short Shaft	030007002	9639008201
9	2	Key, Gear	BD0037000	9639009201
10	1	Gear Case, CI		
	1	Gear Case, SS	101833	9639010202
	1	Gear Case, CI (previous version)	040005000	9639110203
11	2	Oil Seal Rear	000030014	9639011201
12	8	Grease Fitting 1/8	BD0092000	9639012101
	8	Grease Fitting 1/8, SS		9639012102
13	1	Mounting Shim (Gear Case Base), CI	040110000	9639013201
	1	Mounting Shim (Gear Case Base), SS		
14	4	Capscrew, Gear Case Base, SS		
15	8	Stud, 030	108842	9639015201
	8	Stud Jacketed cover, 030	108845	9639015203
16	1	Dowel Busing Lower		
17	1	Dowel Bushing, Upper		
18	2	Spacer Gear to Rear Bearing	030055000	9639018201
19	2	Rear Bearing	030035000	9639019201
20	2	Spacer Bearing	101815	9639020201
	2	Spacer Bearing (previous version)	030055001	9639120202
21	2	Shim Kit		9639021201
22	2	Front Bearing	101715	9639022201
	2	Front Bearing (previous version)	030036000	9639122202
23	1	Drive Shaft (17-4PH)	114646	9639123201
	1	Drive Shaft (17-4PH) (previous version)	030008000	9639123202
24	1	Auxillary Shaft (17-4PH)	114647	9639124201
	1	Auxillary Shaft (17-4PH) (previous version)	030009000	9639124202
25	2	Drive Pin	CD0126000	9639125101
26	2	Bearing Retainer Front	120333	9639026201
	2	Bearing Retainer Front (previous version 1)		
	2	Bearing Retainer Front (previous version 2)	101811	9639026203
27	2	Grease Seal Front Brg Ret	121680	9639027201
	2	Grease Seal Front Brg Ret (previous version 1)	000030015	9639027202
	2	Grease Seal Front Brg Ret (previous version 2)		
28	8	Button Head Cap Screw, Bearing Retainer, SS	3029	9639028201
29	2	Stop Pin Seal		
30	1	Dowel Pin, Upper Gear Case Side	BD0040200	9639030201
31	1	Dowel Pin, Lower Gear Case Side	BD0040300	9639031201
32	1	Rotorcase, 030 - 1.1/2" Triclamp		9639132201
	1	Rotorcase, 030 - 2" Triclamp		9639132202
	1	Rotorcase for Flush, 030 - 1.1/2" Triclamp		9639132211
	1	Rotorcase for Flush, 030 - 2" Triclamp		
34	1	Dowel Pin, Lower Cover Side	BD0040100	9639034201
35	1	Dowel Pin, Upper Cover Side	BD0040000	9639035201
37	2	Rotorcase Retaining Screw, 030		9639037201
38	2	Rotor Twin Blade, Non-Galling Alloy, 030	030010000	9639138201

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only (not mandatory for USA market)

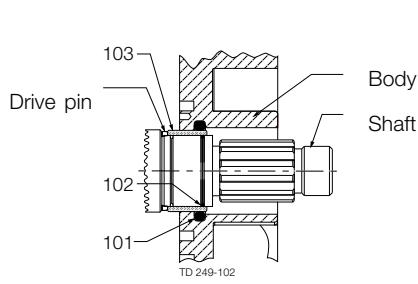


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
42	4	Jam Nut	BD0052001	9639142201	
43	1	Cover O-ring - NBR	N70261	9639143201	
	1	Cover O-ring - EPDM	E70261	9639143202	
	1	Cover O-ring - FPM	V70261	9639143203	
	1	Cover O-ring - Silicone	S75261	9639143204	
44	1	Pump Cover	BD0002S00	9639144201	
	1	Pump Cover - Jacketed	BD0002J10	9639144202	
45	8	Wing Nut - For pumps used within USA	105851	9639045201	
	8	Hex Nut	108370	9639045202	
46	4	Large Cleanout Plug		9639046201	
47	1	Drive Shaft Key, 1/4 X 1/4 X 1 3/4	000037002	9639047201	
48	2	Seal Guards, SS	9639048201		
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O-ring Removal Tool	AD0096001	9639090101	
	4	Rotor Nut Wrench	109896	9639090202	
	4	Oil, Magna-Plate 460-FG, 1-gal			
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	12	Plastic Cap Tapped Holes, Mounting Pad	000121002	9639090702	
	2	Eye Bolt	30360	9639090801	
			EPDM	NBR	FPM

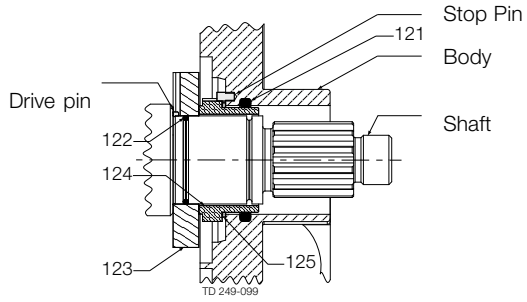
Service kit for SCPP1/030

•	Service Kit - Single O-Ring Seal/Stainless Steel Sleeve	9639103045	9639103034	9639103056
•	Service Kit - Single O-Ring Seal Zircona Sleeve	9639103046	9639103035	9639103057
▲	Service Kit - Double O-Ring Seal Stainless Steel Sleeve	9639103047	9639103036	9639103058
▲	Service Kit - Double O-Ring Seal Zircona Sleeve	9639103048	9639103037	9639103059
◇	Service Kit - Single Mechanical Seal SC/C	9639103051	9639103040	9639103062
◇	Service Kit - Single Mechanical Seal SC/SC	9639103052	9639103041	9639103063
◇	Service Kit - Single Mechanical Seal CER/C	9639103053	9639103042	9639103064
□	Service Kit - Double Mechanical Seal SC/SC/C	9639103054	9639103043	9639103065

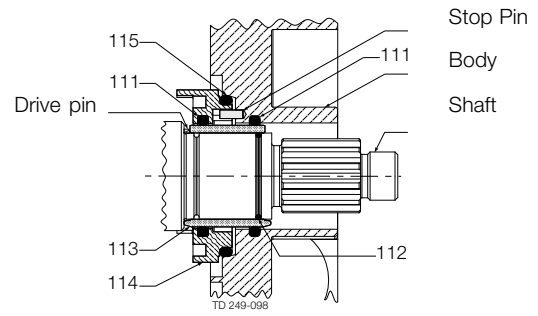
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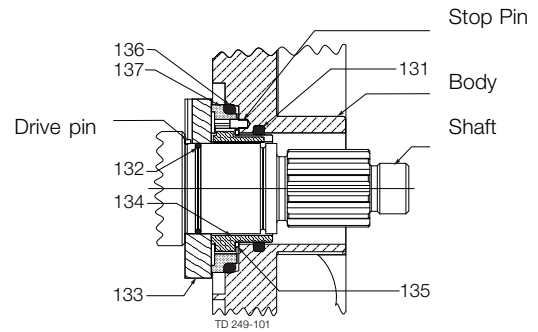
Single O-ring Seal



Single Mechanical Seal



Double O-ring Seal

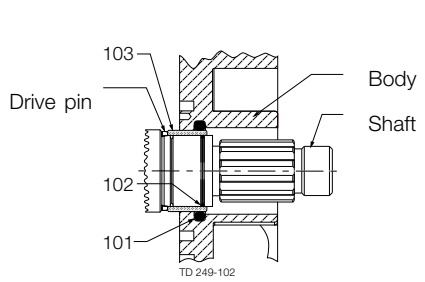


Double Mechanical Seal

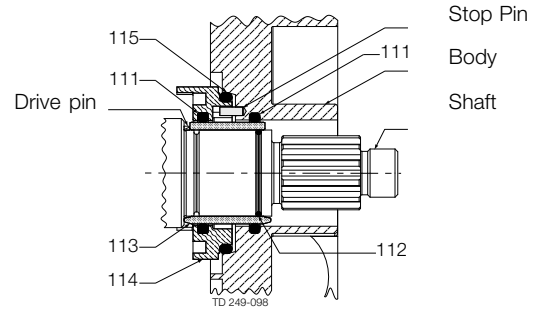


Pos	Qty	Denomination	Reference Part	
			No.	Item Number
<b>Single O-ring Seal:</b>				
101 •	2	Rotorcase O-ring - NBR	N70327	9639161201
	2	Rotorcase O-ring - EPDM	E70327	9639161202
	2	Rotorcase O-ring - FPM	V70327	9639161203
102 •	2	Rotorcase O-ring - Silicone	S75327	9639161204
	2	Shaft O-ring - NBR	N70028	9639062201
	2	Shaft O-ring - EPDM	E70028	9639062202
	2	Shaft O-ring - FPM	V70028	9639062203
	2	Shaft O-ring - Silicone	S75028	9639162204
103 •	2	Sleeve SS	030098000	9639163201
	2	Sleeve Zirconia	030098004	9639163202
	2	Chrome Oxide Coated SS Sleeve	030098002	9639163203
<b>Double O-ring Seal:</b>				
111 ▲	4	Rotorcase O-ring - NBR	N70327	9639161201
	4	Rotorcase O-ring - EPDM	E70327	9639161202
	4	Rotorcase O-ring - FPM	V70327	9639161203
112 ▲	4	Rotorcase O-ring - Silicone	S75327	9639161204
	2	Shaft O-ring - NBR	N70028	9639062201
	2	Shaft O-ring - EPDM	E70028	9639062202
	2	Shaft O-ring - FPM	V70028	9639062203
113 ▲	2	Shaft O-ring - Silicone	S75028	9639162204
	2	Sleeve SS	030098000	9639163201
	2	Sleeve Zirconia	030098004	9639163202
114 ▲	2	Chrome Oxide Coated SS Sleeve	030098002	9639163203
	2	O-ring Seal Carrier	030034001	9639164201
115 ▲	2	O-ring Seal Carrier (previous version)	030034000	9639164202
	2	Outer Seal O-ring - NBR	N50335	9639165201
	2	Outer Seal O-ring - EPDM	E50335	9639165202
	2	Outer Seal O-ring - FPM	V50335	9639165203
	2	Outer Seal O-ring - Silicone	S50335	9639165204
<b>Single Mechanical Seal:</b>				
121 ✧	2	Rotorcase O-ring - NBR	N70327	9639161201
	2	Rotorcase O-ring - EPDM	E70327	9639161202
	2	Rotorcase O-ring - FPM	V70327	9639161203
	2	Rotorcase O-ring - Silicone	S75327	9639161204
122 ✧	2	Shaft O-ring - NBR	N70028	9639062201
	2	Shaft O-ring - EPDM	E70028	9639062202
	2	Shaft O-ring - FPM	V70028	9639062203
123 ✧	2	Shaft O-ring - Silicone	S75028	9639162204
	2	Seal Seat Ceramic	030014002	9639167202
	2	Seal Seat Silicon Carbide	030014009	9639167203
124 ✧	2	Seal Seat Chrome Oxide	030014001	9639167204
	2	Seal Inner Carbon - 1 piece	030306007	9639168201
	2	Seal Inner Ceramic	40821	9639168202
	2	Seal Inner Silicon Carbide	030306009	9639168203
125 ✧	2	Seal Inner Chrome Oxide	030306002	9639168204
	2	Wave Spring	030304000	9639169201
<b>Double Mechanical Seal:</b>				
131 □	2	Rotorcase O-ring - NBR	N70327	9639161201
	2	Rotorcase O-ring - EPDM	E70327	9639161202
	2	Rotorcase O-ring - FPM	V70327	9639161203
	2	Rotorcase O-ring - Silicone	S75327	9639161204
132 □	2	Shaft O-ring - NBR	N70028	9639062201
	2	Shaft O-ring - EPDM	E70028	9639062202
	2	Shaft O-ring - FPM	V70028	9639062203
133 □	2	Shaft O-ring - Silicone	S75028	9639162204
	2	Seal Seat Ceramic	030014002	9639167202
	2	Seal Seat Silicon Carbide	030014009	9639167203
	2	Seal Seat Chrome Oxide	030014001	9639167204
134 □	2	Seal Inner Carbon	030306007	9639168201
	2	Seal Inner Ceramic	40821	9639168202
	2	Seal Inner Silicon Carbide	030306009	9639168203
	2	Seal Inner Chrome Oxide	030306002	9639168204
135 □	2	Wave Spring	030304000	9639169201
136 □	2	Outer Seal O-ring - NBR	N50335	9639165201
	2	Outer Seal O-ring - EPDM	E50335	9639165202
	2	Outer Seal O-ring - FPM	V50335	9639165203
	2	Outer Seal O-ring - Silicone	S50335	9639165204
137 □	2	Seal Outer Carbon	030206007	9639170201
	2	Seal Outer Chrome Oxide	030206002	9639170204

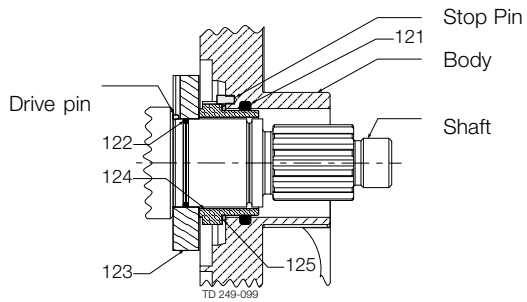
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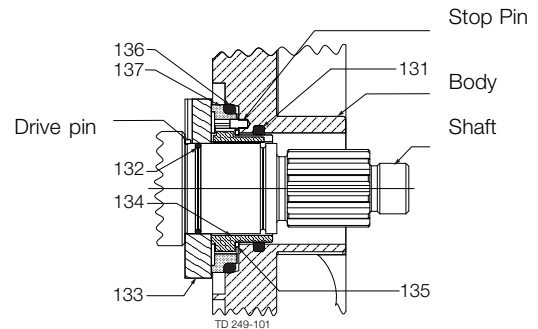
Single O-ring Seal



Double O-ring Seal



Single Mechanical Seal

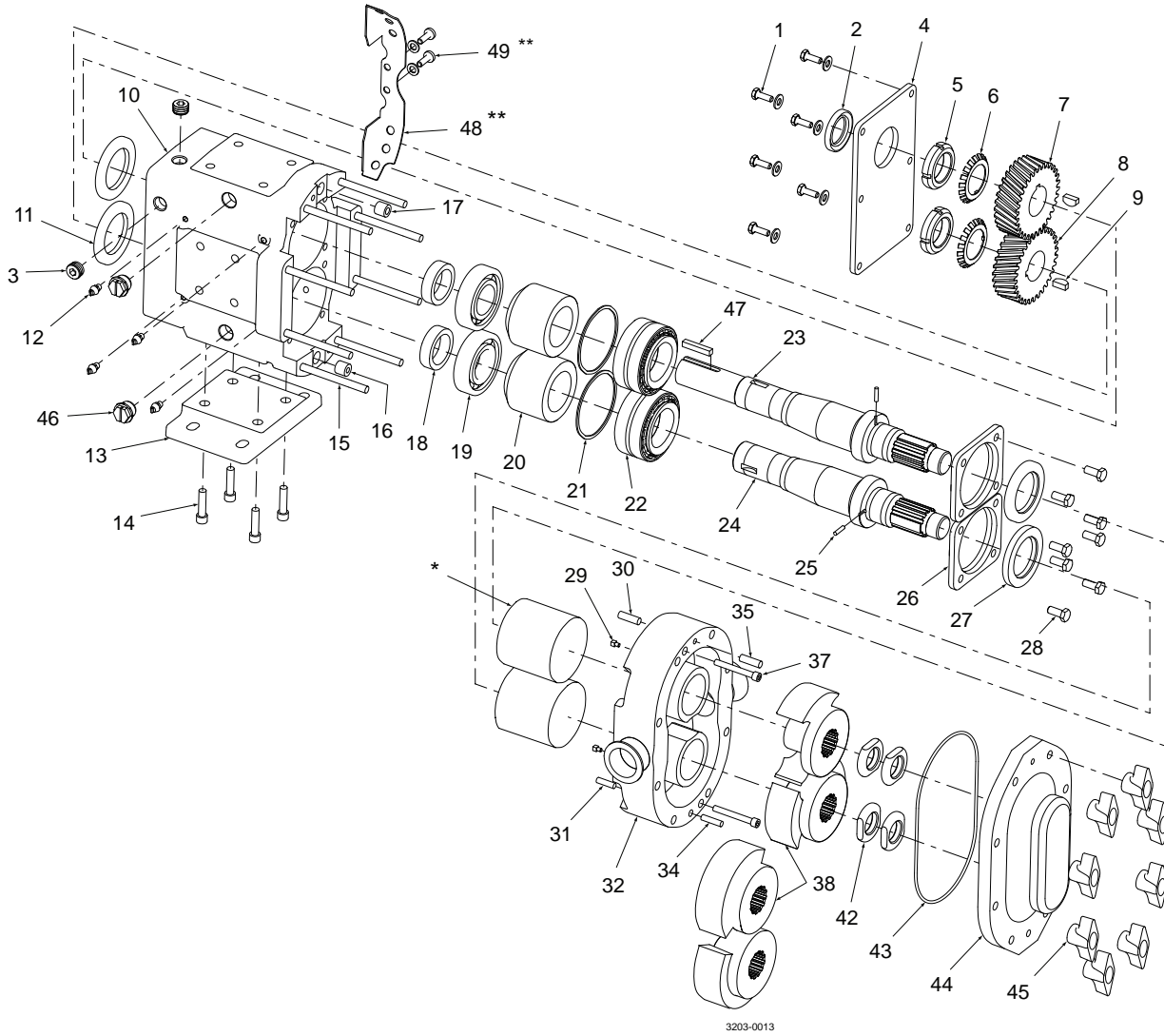


Double Mechanical Seal

		EPDM	NBR	FPM
Service sealing kit for SCPP1/030				
□	Seal kit, Double Mechanical Seal/SC, SC/C . . . . .	9639102002	9639102012	9639102007
▲	Seal kit, Double O-Ring Seal/Stainless Steel Sleeve . . . . .	9639102016	9639102024	9639102020
▲	Seal kit, Double O Ring Seal/Zircona Sleeve . . . . .	9639102028	9639102036	9639102032
◇	Seal kit, Single Mechanical Seal/CER, C . . . . .	9639102040	9639102048	9639102044
◇	Seal kit, Single Mechanical Seal/SC, C . . . . .	9639102052	9639102062	9639102057
◇	Seal kit, Single Mechanical Seal/SC, SC . . . . .	9639102066	9639102074	9639102070
●	Seal kit, Single O-Ring Seal/Stainless Steel Sleeve . . . . .	9639102078	9639102086	9639102082
●	Seal kit, Single O-Ring Seal/Zircona Sleeve . . . . .	9639102090	9639102098	9639102094

*Not manufactured anymore*

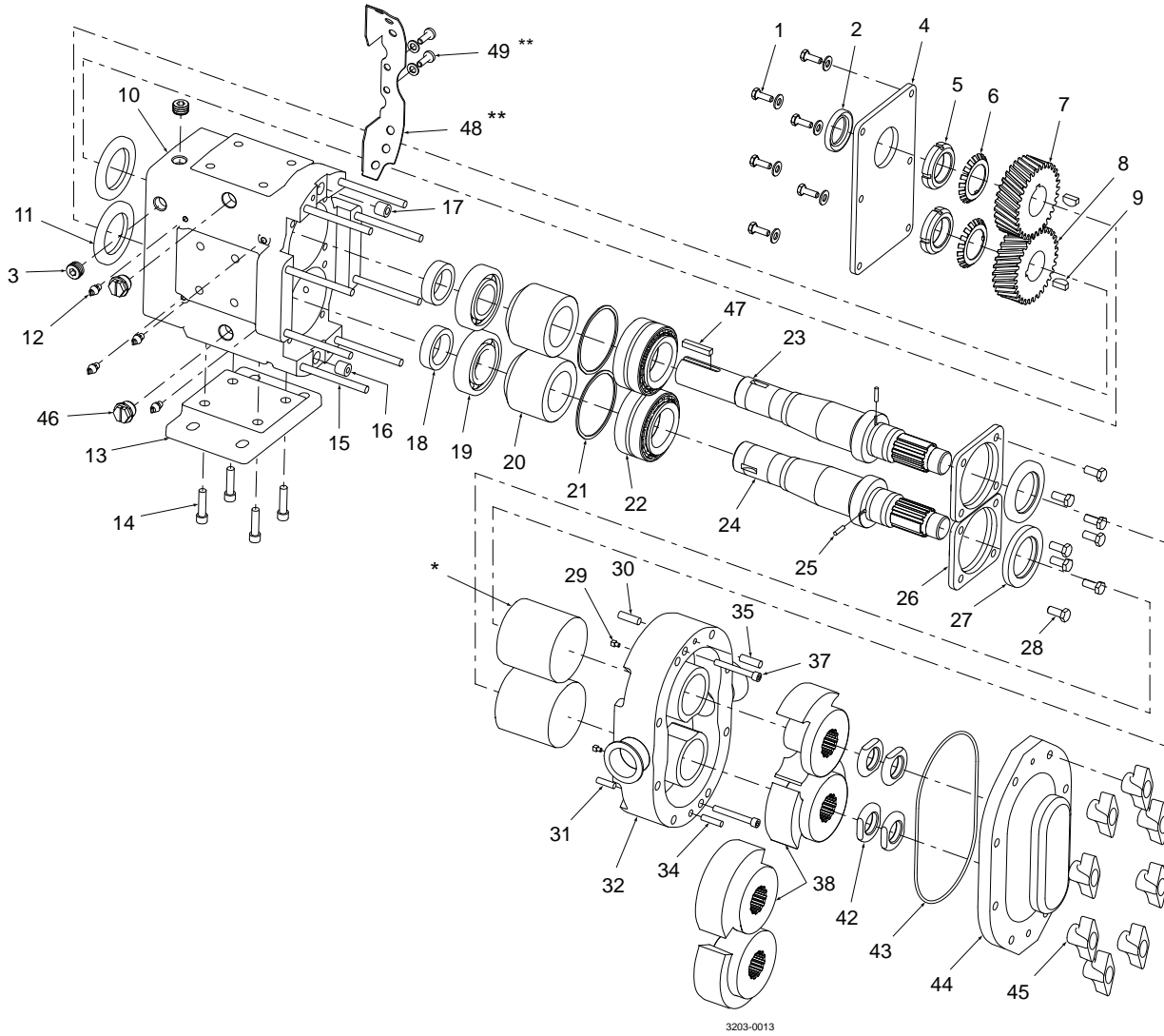
- \* See seal repair parts
- \*\* Required for European CE compliance only  
(not mandatory for USA market)



Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	3050	9639001301
1a	6	Washer GC Cover Capscrew, SS		9639001302
2	1	Oil Seal - Gear Case Cover	000030012	9639002301
3	4	Oil Level, Drain Plug, SS		9639003201
4	1	Gear Case Cover, Steel (includes installed seal)		
	1	Gear Case Cover, SS (includes installed seal)		
5	2	Lock Nut - Gear	STD236009	9639005301
6	2	Lock Washer - Gear	STD136009	9639006301
7	1	Gear Drive Shaft	060007001	9639007301
8	1	Gear Short Shaft	060007002	9639008301
9	2	Key, Gear	060037000	9639009301
10	1	Gear Case, CI		
	1	Gear Case, SS	101834	9639010302
11	2	Oil Seal Rear	000030011	9639011301
12	8	Grease Fitting 1/8	BD0092000	9639012101
	8	Grease Fitting 1/8, SS		9639012102
13	1	Mounting Shim (Gear Case Base), CI	070110000	9639013301
	1	Mounting Shim (Gear Case Base), SS		
14	4	Socket Head Capscrew, Mounting Shim, SS		9639014301
15	8	Stud, 045-060	108843	9639015301
	8	Stud, 130	130011000	9639015302
	8	Stud Jacketed Cover, 130	130011001	9639015304
16	1	Dowel Bushing, Lower	CD0116100	9639016301
17	1	Dowel (lower cover)	CD0116000	9639017301
18	2	Spacer Gear to Rear Bearing	107187	9639018301
19	2	Rear Bearing	107186	9639019301
20	2	Spacer Bearing	060055003	9639020301
21	2	Shim Kit	117891	9639021301
22	2	Front Bearing	060036000	9639022301
23	1	Drive Shaft (17-4PH), 045-060	060008001	9639123301
	1	Drive Shaft (17-4PH), 130	130008001	9639123302
24	1	Auxillary Shaft (17-4PH), 045-060	060009001	9639124301
	1	Auxillary Shaft (17-4PH), 130	130009001	9639124302
25	2	Drive Pin	CD0126000	9639125101
26	2	Bearing Retainer Front	121828	9639026301
	2	Bearing Retainer Front (previous version)	101812	9639026302
27	2	Grease Seal Front Brg Ret	000030009	9639127302
29	2	Stop Pin Seal	223126000	9639129301
30	1	Dowel Pin, Upper Gear Case	CD0040R00	9639030301
31	1	Dowel Pin, Lower Gear Case Side	CD0040R10	9639031301
32	1	Rotorcase, 045 - 2" Triclamp		
	1	Rotorcase, 045 - 2.1/2" Triclamp		9639132302
	1	Rotorcase, 060 - 2.1/2" Triclamp		
	1	Rotorcase, 060 - 3" Triclamp		9639132304
	1	Rotorcase, 130 - 3" Triclamp		
	1	Rotorcase, 130 - 4" Triclamp		9639132308
	1	Rotorcase for Flush, 060 - 2.1/2" Triclamp		9639132313
	1	Rotorcase for Flush, 060 - 3" Triclamp		
	1	Rotorcase for Flush, 130 - 3" Triclamp		9639132317
34	1	Dowel Pin, Lower Cover Side	CD0040100	9639034301
35	1	Dowel Pin, Upper Cover Side	CD0040000	9639035301
37	2	Rotorcase Retaining Screw, 045		9639037301
	2	Rotorcase Retaining Screw, 060		9639037302
	2	Rotorcase Retaining Screw, 130		9639037303
38	2	Rotor Twin Blade, Non-Galling Alloy, 045		9639138301
	2	Rotor Twin Blade, Non-Galling Alloy, 060	060010000	9639138302
	2	Rotor Twin Blade, Non-Galling Alloy, 130	130010000	9639138303

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only  
(not mandatory for USA market)

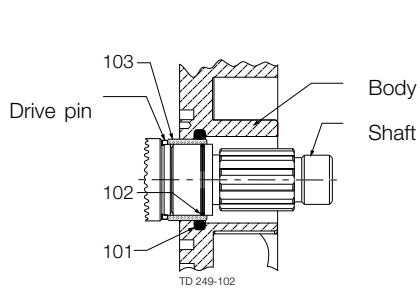


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
42	4	Jam Nut	060052001	9639142301	
43	1	Cover O-ring - NBR	N70272	9639143301	
	1	Cover O-ring - EPDM	E70272	9639143302	
	1	Cover O-ring - FPM	V70272	9639143303	
	1	Cover O-ring - Silicone	S75272	9639143304	
44	1	Pump Cover - alloy 808 chocolate special rotor twin blade		9639144301	
	1	Pump Cover - Jacketed	CD0002J10	9639144302	
45	8	Wing Nut - For pumps used within USA	105852	9639045301	
	8	Hex Nut	108371	9639045302	
46	4	Large Cleanout Plug		9639046301	
47	1	Drive Shaft Key, 3/8 X 3/8 X 1 5/8	000037003	9639047301	
48	2	Seal Guards, SS		9639048301	
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O-ring Removal Tool	AD0096001	9639090101	
	4	Rotor Nut Wrench	109897	9639090203	
	4	Oil, Magna-Plate 460-FG, 1-gal			
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	12	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639090703	
	2	Eye Bolt	30360	9639090801	
			EPDM	NBR	FPM

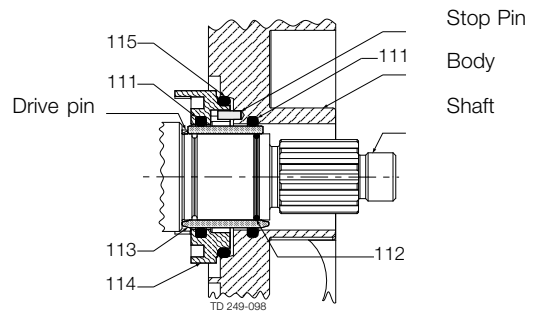
Service kit for SCPP1/045/060/130

•	Service kit, Single O-Ring Seal Stainless Steel Sleeve	9639103078	9639103067	9639103089
•	Service kit, Single O-Ring Seal Zircona Sleeve	9639103079	9639103068	9639103090
▲	Service kit - Double O-Ring Seal Stainless Steel Sleeve	9639103080	9639103069	9639103091
▲	Service kit - Double O-Ring Seal Zircona Sleeve	9639103081	9639103070	9639103092
◇	Service kit - Single Mechanical Seal SC/C	9639103084	9639103073	9639103095
◇	Service kit - Single Mechanical Seal SC/SC	9639103085	9639103074	9639103096
◇	Service kit - Single Mechanical Seal CER/C	9639103086	9639103075	9639103097
□	Service kit - Double Mechanical Seal SC/SC/C	9639103087	9639103076	9639103098

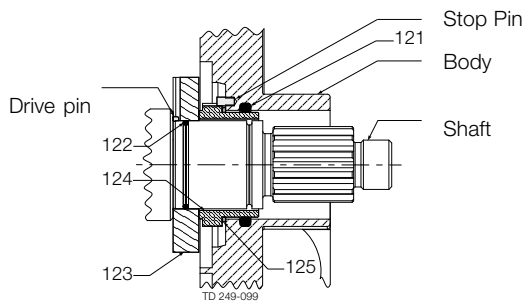
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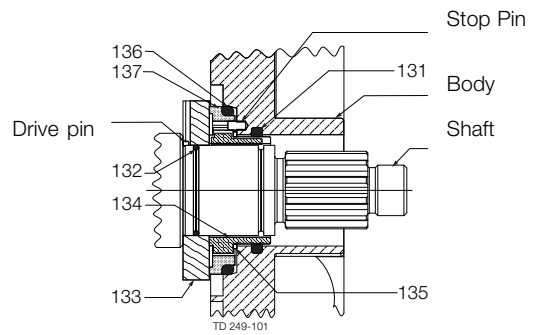
Single O-ring Seal



Double O-ring Seal



Single Mechanical Seal

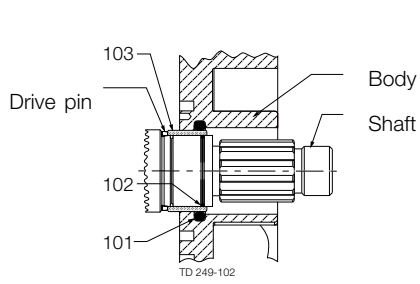


Double Mechanical Seal

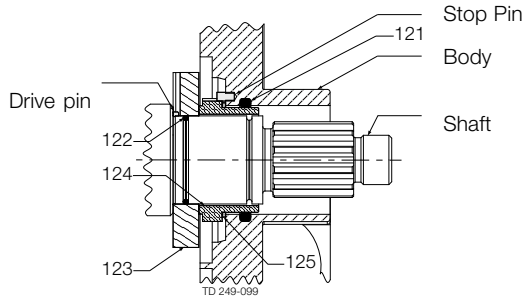


Pos	Qty	Denomination	Reference Part	
			No.	Item Number
<b>Single O-ring Seal:</b>				
101 •	2	Rotorcase O-ring, NBR	N70331	9639161301
	2	Rotorcase O-ring, EPDM	E70331	9639161302
	2	Rotorcase O-ring, FPM	V70331	9639161303
102 •	2	Rotorcase O-ring, Silicone	S75331	9639161304
	2	Shaft O-ring, NBR	N70131	9639162301
	2	Shaft O-ring, EPDM	E70131	9639162302
	2	Shaft O-ring, FPM	V70131	9639162303
103 •	2	Shaft O-ring, Silicone	S75131	9639162304
	2	Sleeve SS	060098000	9639163301
	2	Sleeve Zirconia	060098004	9639163302
2	Chrome Oxide Coated SS Sleeve			
<b>Double O-ring Seal:</b>				
111 ▲	4	Rotorcase O-ring, NBR	N70331	9639161301
	4	Rotorcase O-ring, EPDM	E70331	9639161302
	4	Rotorcase O-ring, FPM	V70331	9639161303
	4	Rotorcase O-ring, Silicone	S75331	9639161304
112 ▲	2	Shaft O-ring, NBR	N70131	9639162301
	2	Shaft O-ring, EPDM	E70131	9639162302
	2	Shaft O-ring, FPM	V70131	9639162303
113 ▲	2	Shaft O-ring, Silicone	S75131	9639162304
	2	Sleeve SS	060098000	9639163301
	2	Sleeve Zirconia	060098004	9639163302
114 ▲	2	Chrome Oxide Coated SS Sleeve		
	2	O-ring Seal Carrier	060034001	9639164301
115 ▲	2	O-ring Seal Carrier (previous version)	060034000	9639164302
	2	Outer Seal O-ring, NBR	N50338	9639165301
2	Outer Seal O-ring, EPDM	E50338	9639165302	
2	Outer Seal O-ring, FPM	V50338	9639165303	
<b>Single Mechanical Seal:</b>				
121 ✦	2	Rotorcase O-ring, NBR	N70331	9639161301
	2	Rotorcase O-ring, EPDM	E70331	9639161302
	2	Rotorcase O-ring, FPM	V70331	9639161303
122 ✦	2	Rotorcase O-ring, Silicone	S75331	9639161304
	2	Shaft O-ring, NBR	N70131	9639162301
	2	Shaft O-ring, EPDM	E70131	9639162302
	2	Shaft O-ring, FPM	V70131	9639162303
123 ✦	2	Shaft O-ring, Silicone	S75131	9639162304
	2	Seal Seat Ceramic	060014002	9639167302
	2	Seal Seat Silicone Carbide	060014009	9639167303
124 ✦	2	Seal Seat Chrome Oxide	060014001	9639167304
	2	Seal Inner Carbon - 1 piece	060306007	9639168301
	2	Seal Inner Ceramic	40642	9639168302
125 ✦	2	Seal Inner Silicone Carbide	060306009	9639168303
	2	Seal Inner Chrome Oxide	060306002	9639168304
2	Wave Spring	060304000	9639169301	
<b>Double Mechanical Seal:</b>				
131 □	2	Rotorcase O-ring, NBR	N70331	9639161301
	2	Rotorcase O-ring, EPDM	E70331	9639161302
	2	Rotorcase O-ring, FPM	V70331	9639161303
	2	Rotorcase O-ring, Silicone	S75331	9639161304
132 □	2	Shaft O-ring, NBR	N70131	9639162301
	2	Shaft O-ring, EPDM	E70131	9639162302
	2	Shaft O-ring, FPM	V70131	9639162303
133 □	2	Shaft O-ring, Silicone	S75131	9639162304
	2	Seal Seat Ceramic	060014002	9639167302
	2	Seal Seat Silicone Carbide	060014009	9639167303
134 □	2	Seal Seat Chrome Oxide	060014001	9639167304
	2	Seal Inner Carbon	060306007	9639168301
	2	Seal Inner Ceramic	40642	9639168302
135 □	2	Seal Inner Silicone Carbide	060306009	9639168303
	2	Seal Inner Chrome Oxide	060306002	9639168304
136 □	2	Wave Spring	060304000	9639169301
137 □	2	Outer Seal O-ring, NBR	N50338	9639165301
	2	Outer Seal O-ring, EPDM	E50338	9639165302
	2	Outer Seal O-ring, FPM	V50338	9639165303
137 □	2	Seal Outer Carbon	060206007	9639170301
	2	Seal Outer Chrome Oxide	060206002	9639170304

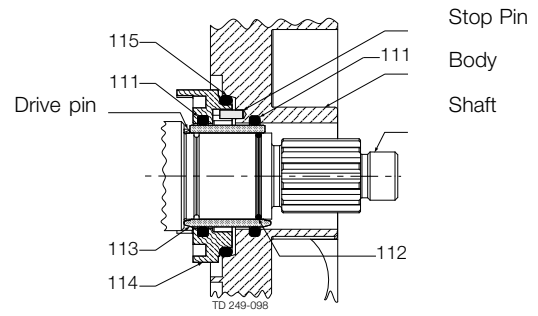
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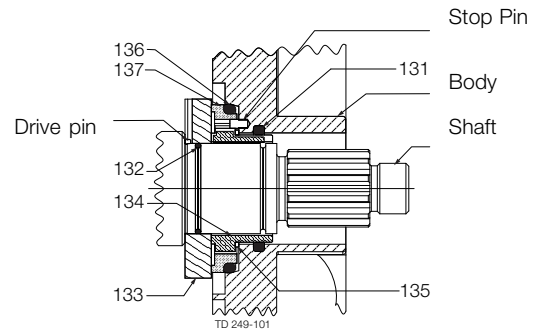
Single O-ring Seal



Single Mechanical Seal



Double O-ring Seal

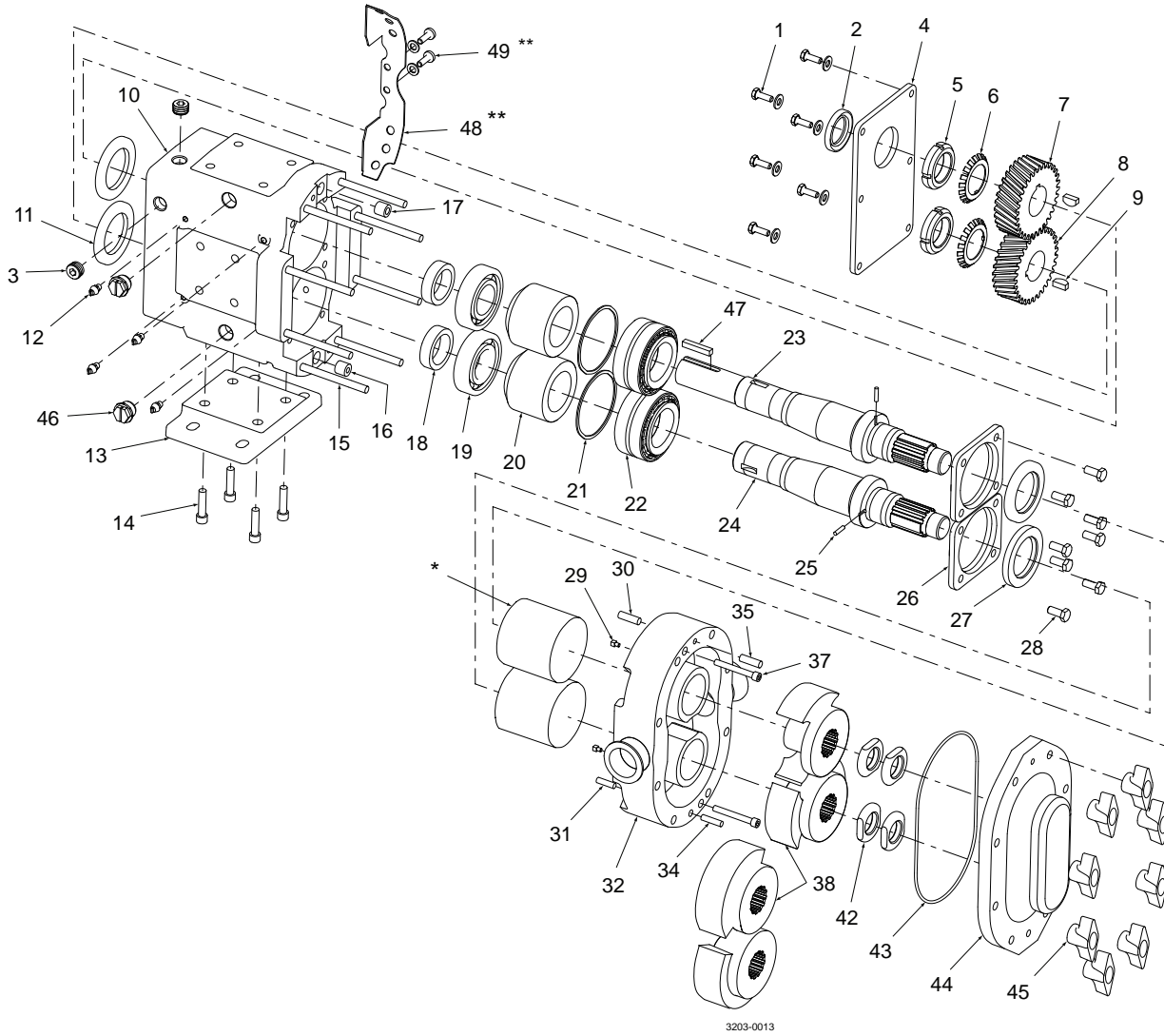


Double Mechanical Seal

		EPDM	NBR	FPM
<b>Service kit sealing for SCPP1/045/060/130</b>				
□	Seal kit, Double Mechanical Seal/SC, SC/C . . . . .	9639102003	9639102013	9639102008
▲	Seal kit, Double O-Ring Seal/Stainless Steel Sleeve . . . . .	9639102017	9639102025	9639102021
▲	Seal kit, Double O-Ring Seal/Zircona Sleeve . . . . .	9639102029	9639102037	9639102033
◇	Seal kit, Single Mechanical Seal/CER, C . . . . .	9639102041	9639102049	9639102045
◇	Seal kit, Single Mechanical Seal/SC, C . . . . .	9639102053	9639102063	9639102058
◇	Seal kit, Single Mechanical Seal/SC, SC . . . . .	9639102067	9639102075	9639102071
●	Seal kit, Single O-Ring Seal/Stainless Steel Sleeve . . . . .	9639102079	9639102087	9639102083
●	Seal kit, Single O-Ring Seal/Zircona Sleeve . . . . .	9639102091	9639102099	9639102095

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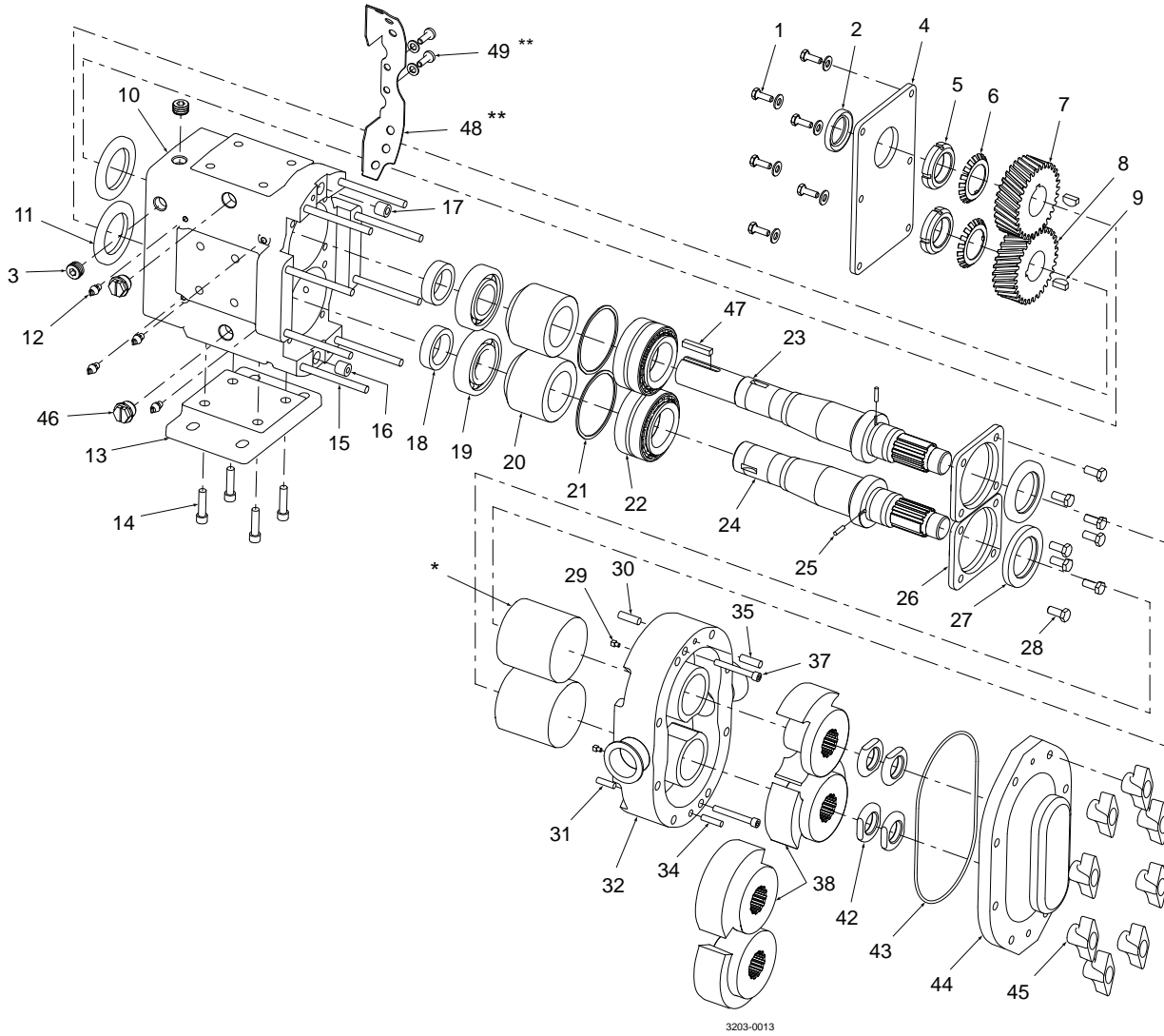
- \* See seal repair parts
- \*\* Required for European CE compliance only  
(not mandatory for USA market)



Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	3050	9639001301
1a	6	Washer GC Cover Capscrew, SS		9639001302
2	1	Oil Seal - Gear Case Cover	STD030006	9639002401
3	4	Oil Level, Drain Plug		9639003301
4	1	Gear Case Cover, Steel (includes installed seal)		
5	2	Lock Nut - Gear	STD236011	9639005401
6	2	Lock Washer - Gear	STD136011	9639006401
7	1	Gear Drive Shaft	110932	9639007401
8	1	Gear Short Shaft	110932	9639008401
9	2	Key, Gear	200037000	9639009401
10	1	Gear Case, CI		
11	2	Oil Seal Rear	STD119002	9639011401
12	8	Grease Fitting 1/8	BD0092000	9639012101
13	1	Mounting Shim (Gear Case Base), CI	230110000	9639013401
14	4	Socket Head Capscrew, GC Base		
15	8	Stud, 220	108844	9639015401
16	1	Dowel Bushing, Lower	CD0116100	9639016301
17	1	Dowel (lower cover)	CD0116000	9639017301
18	2	Spacer Gear to Rear Bearing	40878	9639018401
19	2	Rear Bearing	200035000	9639019401
20	2	Spacer Bearing	40752	9639020401
21	2	Shim Kit		9639021401
22	2	Front Bearing	200036000	9639022401
23	1	Drive Shaft (17-4PH), 220	220008001	9639123401
24	1	Auxillary Shaft (17-4PH), 220	220009001	9639124401
25	2	Drive Pin	CD0126000	9639125101
26	2	Bearing Retainer Front		
	2	Bearing Retainer Front (previous version)	101813	9639026402
27	2	Grease Seal Front Brg Ret	121681	9639027401
28	8	Button Head Cap Screw, Bearing Retainer, SS		
29	2	Stop Pin Seal	223126000	9639129301
30	1	Dowel Pin, Upper Gear Case	CD0040R00	9639030301
31	1	Dowel Pin, Lower Gear Case Side	CD0040R10	9639031301
32	1	Rotorcase, 220 - 4" Triclamp		
34	1	Dowel Pin, Lower Cover Side	GD0040100	9639034401
35	1	Dowel Pin, Upper Cover Side	GD0040000	9639035401
37	2	Rotorcase Retaining Screw, 220	30499	9639037402
38	2	Rotor Twin Blade, Non-Galling Alloy, 220	220010000	9639138401

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only  
(not mandatory for USA market)

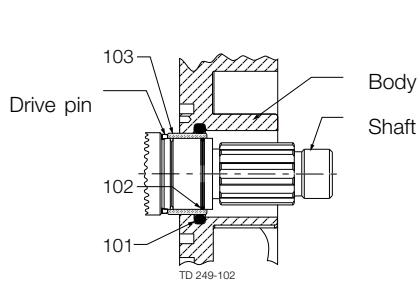


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
42	4	Jam Nut	GD0052001	9639142401	
43	1	Cover O-ring - NBR	GD0117000	9639143401	
	1	Cover O-ring - EPDM	GD0117002	9639143402	
	1	Cover O-ring - FPM	GD0117V00	9639143403	
	1	Cover O-ring - Silicone	GD0117SC0	9639143404	
44	1	Pump Cover	GD0002S00	9639144401	
45	8	Wing Nut - For pumps used within USA	105853	9639045401	
	8	Hex Nut	108372	9639045402	
46	4	Large Cleanout Plug		9639046301	
47	1	Drive Shaft Key, 1/2 X 1/2 X 1 7/8	000037004	9639047401	
48	2	Seal Guards, SS		9639048401	
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O-ring Removal Tool	AD0096001	9639090101	
	4	Rotor Nut Wrench	109898	9639090204	
	4	Oil, Magna-Plate 460-FG, 1-gal			
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	12	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639090703	
	2	Eye Bolt	30360	9639090801	
			EPDM	NBR	FPM

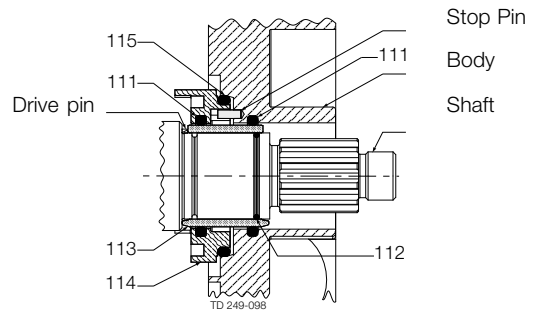
Service kit for SCPP1/220

•	Service kit - Single O-Ring Seal Stainless Steel Sleeve . . .	9639103111	9639103100	9639103122
•	Service kit - Single O-Ring Seal Zircona Sleeve . . . . .	9639103112	9639103101	9639103123
▲	Service kit - Double O-Ring Seal Stainless Steel Sleeve . . .	9639103113	9639103102	9639103124
▲	Service kit - Double O-Ring Seal Zircona Sleeve . . . . .	9639103114	9639103103	9639103125
◇	Service kit - Single Mechanical Seal SC/C . . . . .	9639103117	9639103106	9639103128
◇	Service kit - Single Mechanical Seal SC/SC . . . . .	9639103118	9639103107	9639103129
◇	Service kit - Single Mechanical Seal CER/C . . . . .	9639103119	9639103108	9639103130
□	Service kit - Double Mechanical Seal SC/SC/C . . . . .	9639103120	9639103109	9639103131

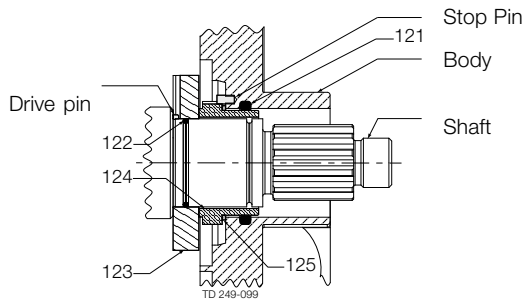
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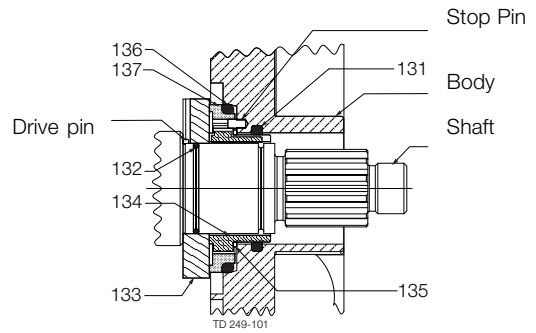
Single O-ring Seal



Double O-ring Seal



Single Mechanical Seal

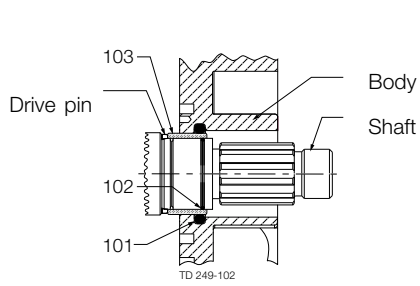


Double Mechanical Seal

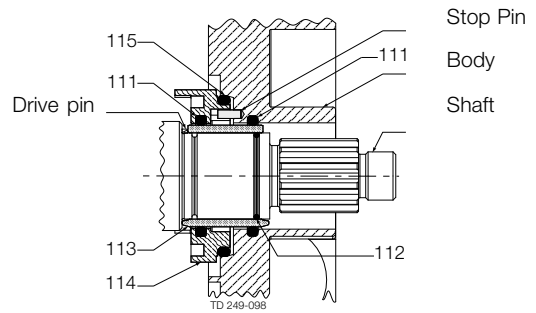


Pos	Qty	Denomination	Reference Part	
			No.	Item Number
<b>Single O-ring Seal:</b>				
101 •	2	Rotorcase O-ring, NBR	N70338	9639161401
	2	Rotorcase O-ring, EPDM	E70338	9639161402
	2	Rotorcase O-ring, FPM	V70338	9639161403
102 •	2	Rotorcase O-ring, Silicone		
	2	Shaft O-ring, NBR	N70144	9639162401
	2	Shaft O-ring, EPDM	E70144	9639162402
	2	Shaft O-ring, FPM	V70144	9639162403
103 •	2	Shaft O-ring, Silicone	S75144	9639162404
	2	Sleeve SS	220098000	9639163401
	2	Sleeve Zirconia	220098004	9639163402
	2	Chrome Oxide Coated SS Sleeve	220098002	9639163403
<b>Double O-ring Seal:</b>				
111 ▲	4	Rotorcase O-ring, NBR	N70338	9639161401
	4	Rotorcase O-ring, EPDM	E70338	9639161402
	4	Rotorcase O-ring, FPM	V70338	9639161403
112 ▲	4	Rotorcase O-ring, Silicone		
	2	Shaft O-ring, NBR	N70144	9639162401
	2	Shaft O-ring, EPDM	E70144	9639162402
	2	Shaft O-ring, FPM	V70144	9639162403
113 ▲	2	Shaft O-ring, Silicone	S75144	9639162404
	2	Sleeve SS	220098000	9639163401
	2	Sleeve Zirconia	220098004	9639163402
	2	Chrome Oxide Coated SS Sleeve	220098002	9639163403
114 ▲	2	O-ring Seal Carrier	220034001	9639164401
	2	O-ring Seal Carrier (previous version)	220034000	9639164402
115 ▲	2	Outer Seal O-ring, NBR	N50344	9639165401
	2	Outer Seal O-ring, EPDM	E50344	9639165402
	2	Outer Seal O-ring, FPM	V50344	9639165403
<b>Single Mechanical Seal:</b>				
121 ✦	2	Rotorcase O-ring, NBR	N70338	9639161401
	2	Rotorcase O-ring, EPDM	E70338	9639161402
	2	Rotorcase O-ring, FPM	V70338	9639161403
122 ✦	2	Rotorcase O-ring, Silicone		
	2	Shaft O-ring, NBR	N70144	9639162401
	2	Shaft O-ring, EPDM	E70144	9639162402
	2	Shaft O-ring, FPM	V70144	9639162403
123 ✦	2	Shaft O-ring, Silicone	S75144	9639162404
	2	Seal Seat Ceramic	220014002	9639167402
	2	Seal Seat Silicone Carbide	220014009	9639167403
	2	Seal Seat Chrome Oxide		
124 ✦	2	Seal Inner Carbon	220306007	9639168401
	2	Seal Inner Ceramic	40830	9639168402
	2	Seal Inner Silicone Carbide	220306009	9639168403
	2	Seal Inner Chrome Oxide	220306002	9639168404
125 ✦	2	Wave Spring	220304000	9639169401
<b>Double Mechanical Seal:</b>				
131 □	2	Rotorcase O-ring, NBR	N70338	9639161401
	2	Rotorcase O-ring, EPDM	E70338	9639161402
	2	Rotorcase O-ring, FPM	V70338	9639161403
132 □	2	Rotorcase O-ring, Silicone		
	2	Shaft O-ring, NBR	N70144	9639162401
	2	Shaft O-ring, EPDM	E70144	9639162402
	2	Shaft O-ring, FPM	V70144	9639162403
133 □	2	Shaft O-ring, Silicone	S75144	9639162404
	2	Seal Seat Ceramic	220014002	9639167402
	2	Seal Seat Silicone Carbide	220014009	9639167403
	2	Seal Seat Chrome Oxide		
134 □	2	Seal Inner Carbon	220306007	9639168401
	2	Seal Inner Ceramic	40830	9639168402
	2	Seal Inner Silicone Carbide	220306009	9639168403
	2	Seal Inner Chrome Oxide	220306002	9639168404
135 □	2	Wave Spring	220304000	9639169401
136 □	2	Outer Seal O-ring, NBR	N50344	9639165401
	2	Outer Seal O-ring, EPDM	E50344	9639165402
	2	Outer Seal O-ring, FPM	V50344	9639165403
137 □	2	Seal Outer Carbon	220206007	9639170401
	2	Seal Outer Chrome Oxide		

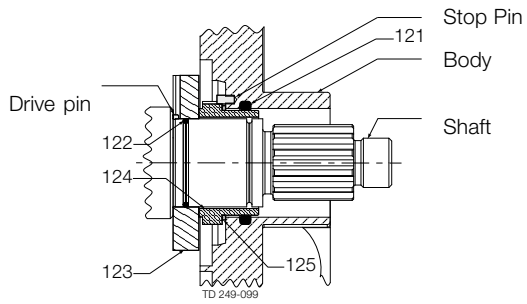
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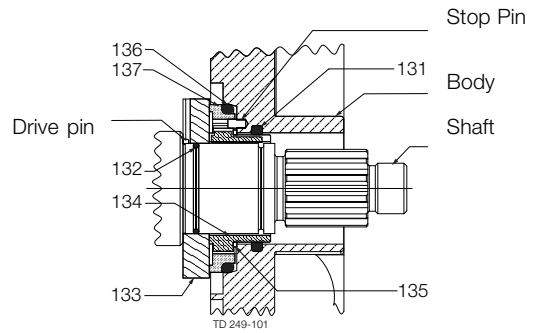
Single O-ring Seal



Double O-ring Seal



Single Mechanical Seal

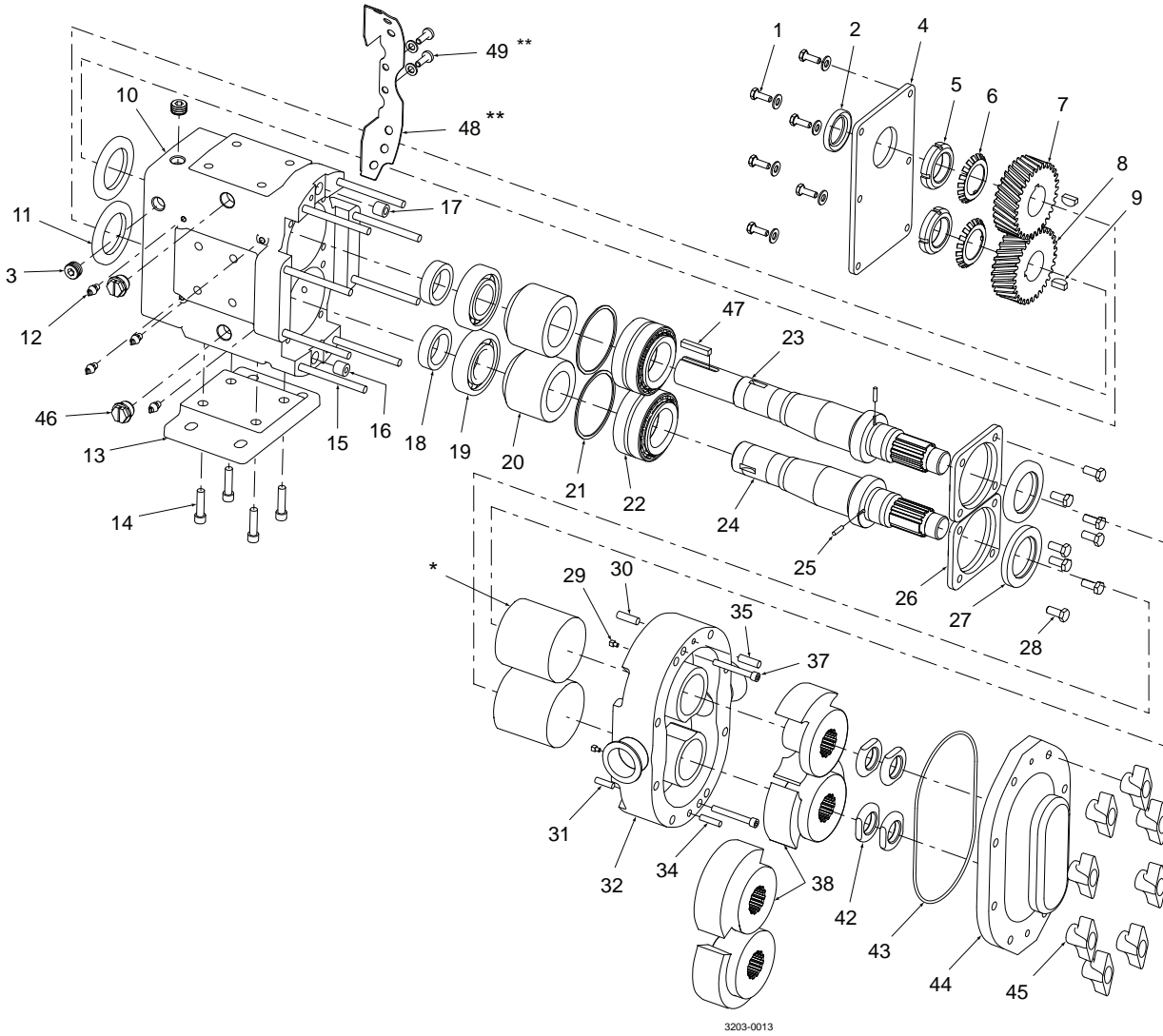


Double Mechanical Seal

		EPDM	NBR	FPM
Service kit sealing for SCPP1/220				
□	Seal kit, Double Mechanical Seal/SC, SC/C . . . . .	9639102004	9639102014	9639102009
▲	Seal kit, Double O-Ring Seal/Stainless Steel Sleeve . . . . .	9639102018	9639102026	9639102022
▲	Seal kit, Double O-Ring Seal/Zircona Sleeve . . . . .	9639102030	9639102038	9639102034
◇	Seal kit, Single Mechanical Seal/CER, C . . . . .	9639102042	9639102050	9639102046
◇	Seal kit, Single Mechanical Seal/SC, C . . . . .	9639102054	9639102064	9639102059
◇	Seal kit, Single Mechanical Seal/SC, SC . . . . .	9639102068	9639102076	9639102072
●	Seal kit, Single O-Ring Seal/Stainless Steel Sleeve . . . . .	9639102080	9639102088	9639102084
●	Seal kit, Single O-Ring Seal/Zircona Sleeve . . . . .	9639102092	9639102100	9639102096

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only (not mandatory for USA market)



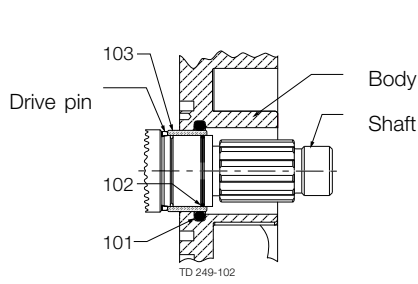
Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	3050	9639001301
1a	6	Washer GC Cover Capscrew, SS		9639001302
2	1	Oil Seal - Gear Case Cover		9639002501
3	4	Oil Level, Drain Plug		9639003301
4	1	Gear Case Cover, Steel (includes installed seal)		
5	2	Lock Nut - Gear	105697	9639005501
6	2	Lock Washer - Gear		9639006501
7	1	Gear Drive Shaft	102470	9639007501
8	1	Gear Short Shaft	102470	9639008501
9	2	Key, Gear	0H1037000	9639009501
10	1	Gear Case, CI	40616	9639010501
11	2	Oil Seal Rear	102475	9639011501
12	8	Grease Fitting 1/8	BD0092000	9639012101
13	1	Mounting Shim (Gear Case Base), CI	40288	9639013501
14	4	Socket Head Capscrew, GC Base		
15	4	Stud, Cover, Long	111292	9639015501
16	2	Dowel Bushing, Gearcase		
18	2	Spacer Gear to Rear Bearing	102474	9639018501
19	2	Rear Bearing	0H1036000	9639019501
20	2	Spacer Bearing	102472	9639020501
21	2	Shim Kit	117893	9639021501
22	2	Front Bearing	0H1036003	9639022501
23	1	Drive Shaft (17-4PH), 320		
24	1	Short Shaft (17-4PH), 320		
26	2	Bearing Retainer Front	123533	9639026501
27	2	Grease Seal Front Brg Ret	121681	9639027401
28	8	Button Head Cap Screw, Bearing Retainer, SS		
29	8	3/8-16x1-1/4" SS Cap Screw, Gland		
29a	8	3/8" SS Lockwasher, Gland	4328	9639129502
30	2	Seal Gland, No Flush		
	2	Seal Gland, W/Flush Holes	300034001	9639130502
31	2	Dowel Pin, Gear Case Side		9639031501
32	1	Rotorcase, 320		
34	4	Stud, Cover, Short		
35	2	Dowel Pin, Cover Side		9639235501
37	2	Rotorcase Retaining Screw, 320		9639037303
38	2	Rotor Twin Blade, Non-Galling Alloy, 320	320010000	9639138501
42	4	Jam Nut		
43	1	Cover O-ring - NBR	N70280	9639143501
	1	Cover O-ring - EPDM	E70280	9639143502
	1	Cover O-ring - FPM	V70280	9639143503
	1	Cover O-ring - Silicone	323117013	9639143504
44	1	Pump Cover		
45	8	Wing Nut - For pumps used within USA		
	8	Hex Nut (optional)	108373	9639045502
46	4	Large Cleanout Plug		9639046301
47	1	Drive Shaft Key, 5/8 X 5/8 X 2 3/4	000037005	9639047501
48	2	Seal Guards, SS		
49	4	Fastner, Seal Guard		9639049101
49a	4	Washer, Seal Guard		9639049102
	3	Eye Bolt	30360	9639090801
	8	Grease Fitting Cap, Red Plastic		9639090601
	10	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639090703
	3	Eye Bolt	30360	9639090801
	0	O-ring Removal Tool	AD0096001	9639090101
	0	Rotor Nut Wrench	112829	9639090205
	0	Sealant RTV	000142301	9639090501
	0	Oil, Magna-Plate 460-FG, 1-gal		
	0	Grease micro plate #2 (1 lb tube)	000140002	9639090401

EPDM FPM

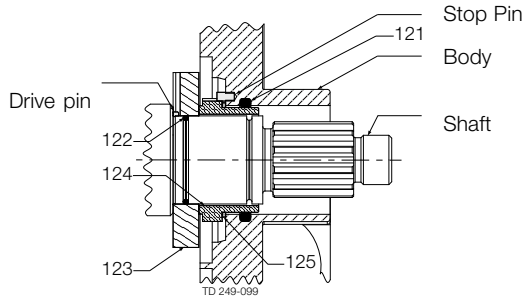
Service kit for SCPP1/320

◆	Service Kit - Single Mechanical Seal SC/C	9639103133	9639103136
□	Service Kit - Double Mechanical Seal SC/SC/C	9639103134	9639103137

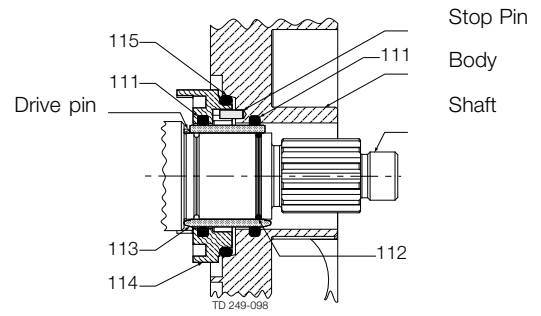
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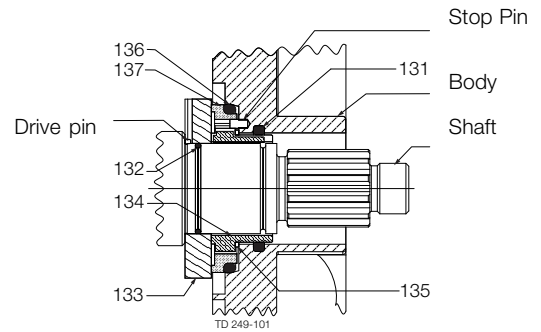
Single O-ring Seal



Single Mechanical Seal



Double O-ring Seal



Double Mechanical Seal

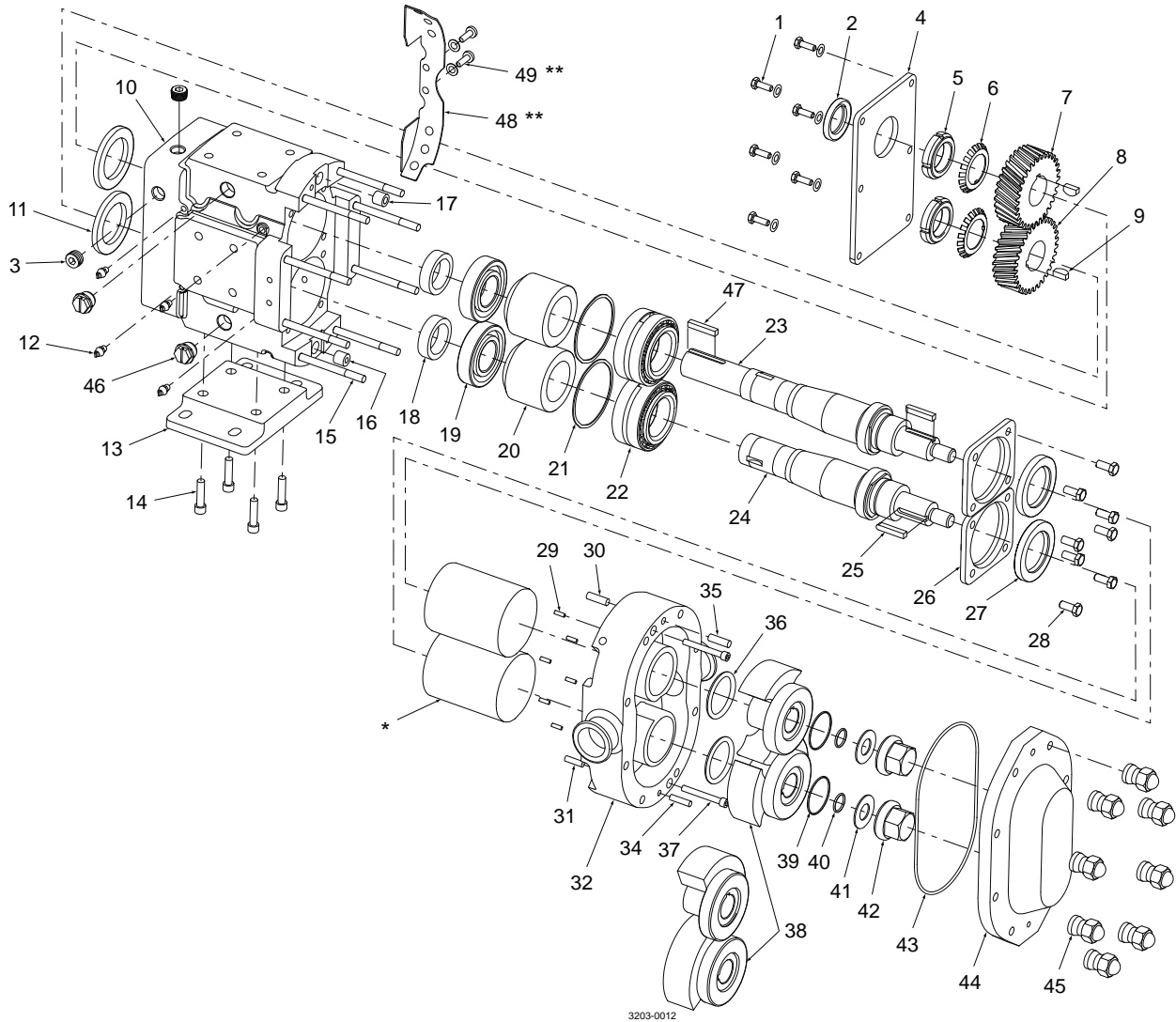
Pos	Qty	Denomination	Reference Part	
			No.	Item Number
<b>Single Mechanical Seal:</b>				
113	◇	1 Gasket, Inner	300042001	9639173501
114	◇	1 Gasket, Outer W/Flush Holes	300042002	9639174501
120	◇	1 8B2 Outer Seal, Carbon	323114003	9639167501
121	◇	1 Inner Seal O-ring, EPDM	E70234	9639166502
		1 Inner Seal O-ring, FPM	V70234	9639166503
		1 Inner Seal O-ring, Silicone	S75234	9639166504
122	◇	1 "T" Seat, No Flush, Sil Car	300014016	9639168503
123	◇	1 Gland Plug	9639175501	
<b>Double Mechanical Seal:</b>				
110	□	1 Inner Seal, Sil Car	40572	9639170503
112	□	1 "T" Seat, with Flush, Sil Car	300014031	9639168506
113	□	1 Gasket, Inner	300042001	9639173501
114	□	1 Gasket, Outer w/Flush Holes	300042002	9639174501
116	□	1 Inner Seal O-ring, EPDM	E70234	9639166502
		1 Inner Seal O-ring, FPM	V70234	9639166503
		1 Inner Seal O-ring, Silicone	S75234	9639166504
120	□	1 8B2 Outer Seal, Carbon	323114003	9639167501
121	□	1 Inner Seal O-ring, EPDM	E70234	9639166502
		1 Inner Seal O-ring, FPM	V70234	9639166503
		1 Inner Seal O-ring, Silicone	S75234	9639166504
			<b>EPDM</b>	<b>FPM</b>

## Servie kit sealing for SCPP1/320

□	Seal kit, Double Mechanical Seal/SC, SC/C	9639102005	9639102010
◇	Seal kit, Single Mechanical Seal/SC, C	9639102055	9639102060

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only (not mandatory for USA market)

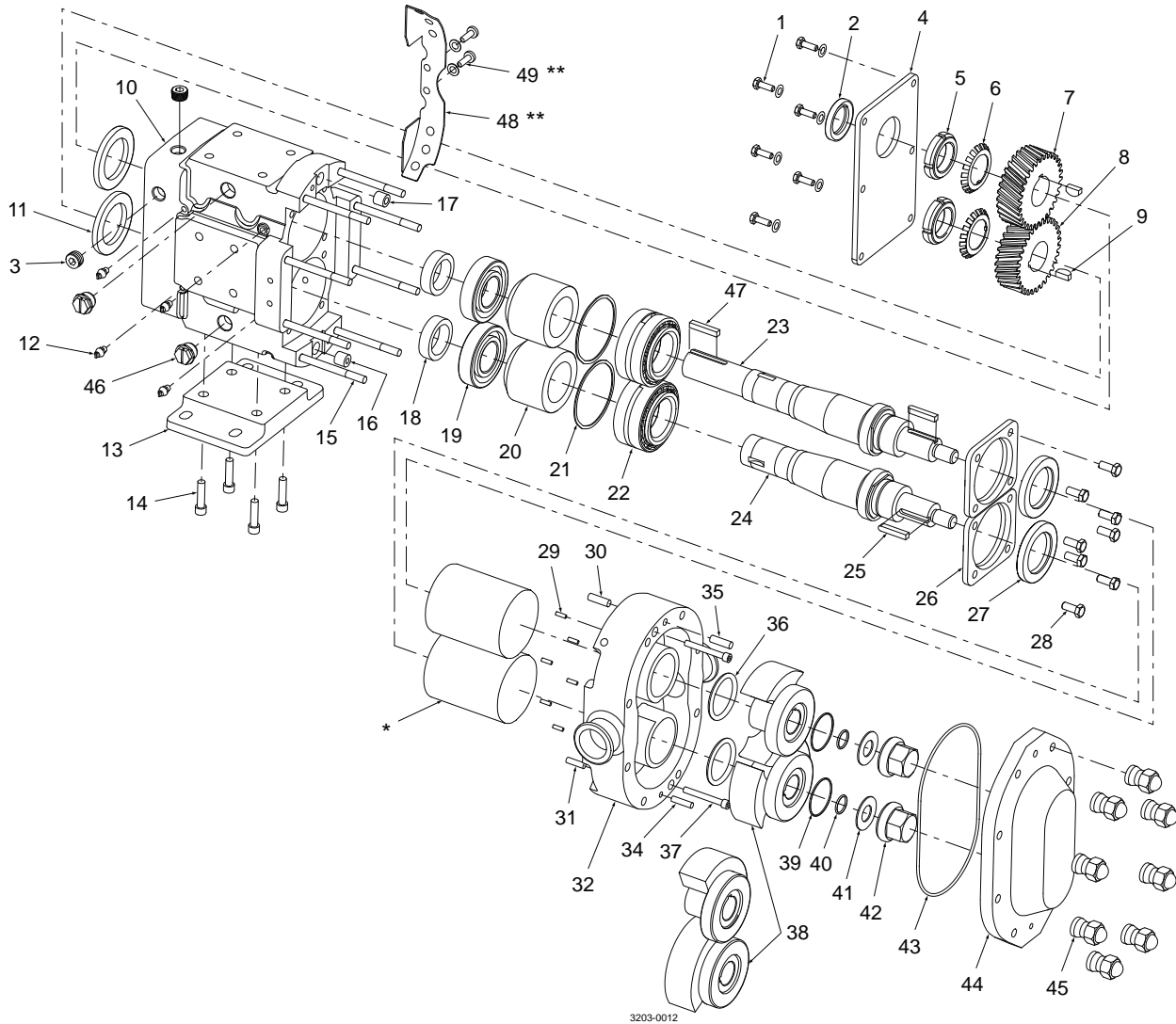




Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS		
1b	6	Washer GC Cover Capscrew, SS		9639001102
2	1	Oil Seal - Gear Case Cover	000030016	9639002101
3	4	Oil Level, Drain Plug, SS		
4	1	Gear Case Cover, Steel (includes installed seal)		
	1	Gear Case Cover, SS (includes installed seal)		
5	2	Lock Nut - Gear	STD236005	9639005101
6	2	Lock Washer - Gear	STD136005	9639006101
7	1	Gear Drive Shaft	015007001	9639007101
8	1	Gear Short Shaft	015007002	9639008101
9	2	Key, Gear	015037000	9639009101
10	1	Gear Case, Cl		
	1	Gear Case, SS	101831	9639010102
11	2	Oil Seal Rear	000030017	9639011101
12	8	Grease Fitting 1/8	BD0092000	9639012101
	8	Grease Fitting 1/8, SS		9639012102
13	1	Mounting Shim (Gear Case Base), Cl	020110000	9639013101
	1	Mounting Shim (Gear Case Base), SS		
14	4	Socket Head Capscrew, Mounting Shim, SS		9639014101
15	8	Stud, 006-015	AD0011000	9639015101
	8	Stud Jacketed Cover, 006-015	AD0011J00	9639015103
	8	Stud, 018		9639215107
	8	Stud Jacketed Cover, 018		
16	1	Dowel Bushing, Lower	AD0116100	9639016101
17	1	Dowel Bushing, Upper	AD0116000	9639017101
18	2	Spacer Gear to Rear Bearing		
19	2	Rear Bearing	015035000	9639019101
20	2	Spacer Bearing		
21	2	Shim Kit	117889	9639021101
22	2	Front Bearing	101714	9639022101
23	1	Drive Shaft (316L SS), 006-015	108405	9639223101
	1	Drive Shaft (316L SS), 018		
24	1	Auxillary Shaft (316L SS), 006-015	108406	9639224101
	1	Auxillary Shaft (316L SS), 018	108408	9639224102
25	2	Rotor Key, 006-015	101817	9639225101
	2	Rotor Key, 018	101819	9639225102
26	2	Bearing Retainer Front		
	2	Bearing Retainer Front (previous version)		
27	2	Grease Seal Front Brg Ret	121679	9639027101
	2	Grease Seal Front Brg Ret (previous version)	101716	9639027103
28	8	Button Head Cap Screw, Bearing Retainer, SS		
29	6	Stop Pin, Seal	101718	9639229101
30	1	Dowel Pin, Upper Gear Case Side	AD0040R00	9639030101
31	1	Dowel Pin, Lower Gear Case Side	AD0040R10	9639031101
32	1	Rotorcase, 006 - 1" Triclamp		
	1	Rotorcase, 006 - 1.1/2" Triclamp		9639232102
	1	Rotorcase, 015 - 1.1/2" Triclamp		
	1	Rotorcase, 018 - 1.1/2" Triclamp		9639232105
	1	Rotorcase, 018 - 2" Triclamp		
	1	Rotorcase for Flush, 006 - 1" Triclamp		9639232111
	1	Rotorcase for Flush, 006 - 1.1/2" Triclamp		
	1	Rotorcase for Flush, 015 - 1.1/2" Triclamp		9639232113
	1	Rotorcase for Flush, 018 - 1.1/2" Triclamp		
	1	Rotorcase for Flush, 018 - 2" Triclamp		9639232116
34	1	Dowel (lower cover)	AD0040100	9639034101
35	1	Dowel (upper cover)	AD0040000	9639035101
36	2	Rotor hub O-ring, EPDM		9639236102
♦	2	Rotor hub O-ring, NBR		9639236101
♦	2	Rotor hub O-ring, FPM		9639236103
37	2	Rotorcase Retaining Screw, 006-015	30523	9639037101
	2	Rotorcase Retaining Screw, 018		9639037102
38	2	Rotor Twin Blade, Non-Galling Alloy, 006	101870	9639238101
	2	Rotor Twin Blade, Non-Galling Alloy, 015	101882	9639238102
	2	Rotor Twin Blade, Non-Galling Alloy, 018	101894	9639238103
39	2	Rotor nut O-ring, EPDM		9639239102
♦	2	Rotor nut O-ring, NBR		9639239101
♦	2	Rotor nut O-ring, FPM		9639239103
40	2	Retainer O-ring, EPDM		9639240102
♦	2	Retainer O-ring, NBR		9639240101
♦	2	Retainer O-ring, FPM		9639240103

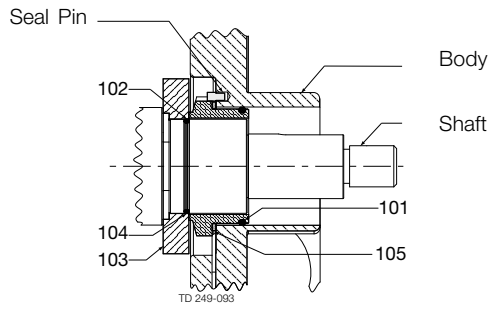
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- \* See seal repair parts
- \*\* Required for European CE compliance only  
(not mandatory for USA market)

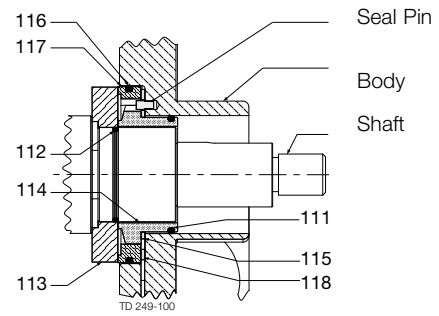


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
41	2	Washer, Belleville	101691	9639241101	
42	2	Rotor Nut	101804	9639242101	
43	1	Cover O-ring - NBR	N70249	9639243101	
	1	Cover O-ring - EPDM	E70249	9639243102	
	1	Cover O-ring - FPM	V70249	9639243103	
44	1	Pump Cover	101842	9639244101	
	1	Pump Cover - Jacketed			
45	8	Hex Nut	108369	9639045102	
	8	Wing Nut	105850	9639045101	
46	4	Large Cleanout Plug		9639046101	
47	1	Drive Shaft Key, 3/16 X 3/16 X 1 1/8	000037001	9639047101	
48	2	Seal Guards, SS			
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O-ring Removal Tool	AD0096001	9639090101	
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639090301	
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	12	Plastic Cap Tapped Holes, Mounting Pad			
	2	Eye Bolt	30360	9639090801	
			<b>EPDM</b>	<b>NBR</b>	<b>FPM</b>
<b>Service kit for SCPP2/006/015/018</b>					
◇		Service Kit - Single Mechanical Seal SC/C	9639203006	9639203001	9639203011
◇		Service kit - Single Mechanical Seal SC/SC	9639203007	9639203002	9639203012
◇		Service Kit - Single Mechanical Seal CER/C	9639203008	9639203003	9639203013
□		Service kit - Double Mechanical Seal SC/SC/C	9639203009	9639203004	9639203014
<b>O-Ring kit for SCPP2/006/015/018</b>					
◆		O-Ring kit	9639201002	9639201001	9639201003

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Single Mechanical Seal



Double Mechanical Seal

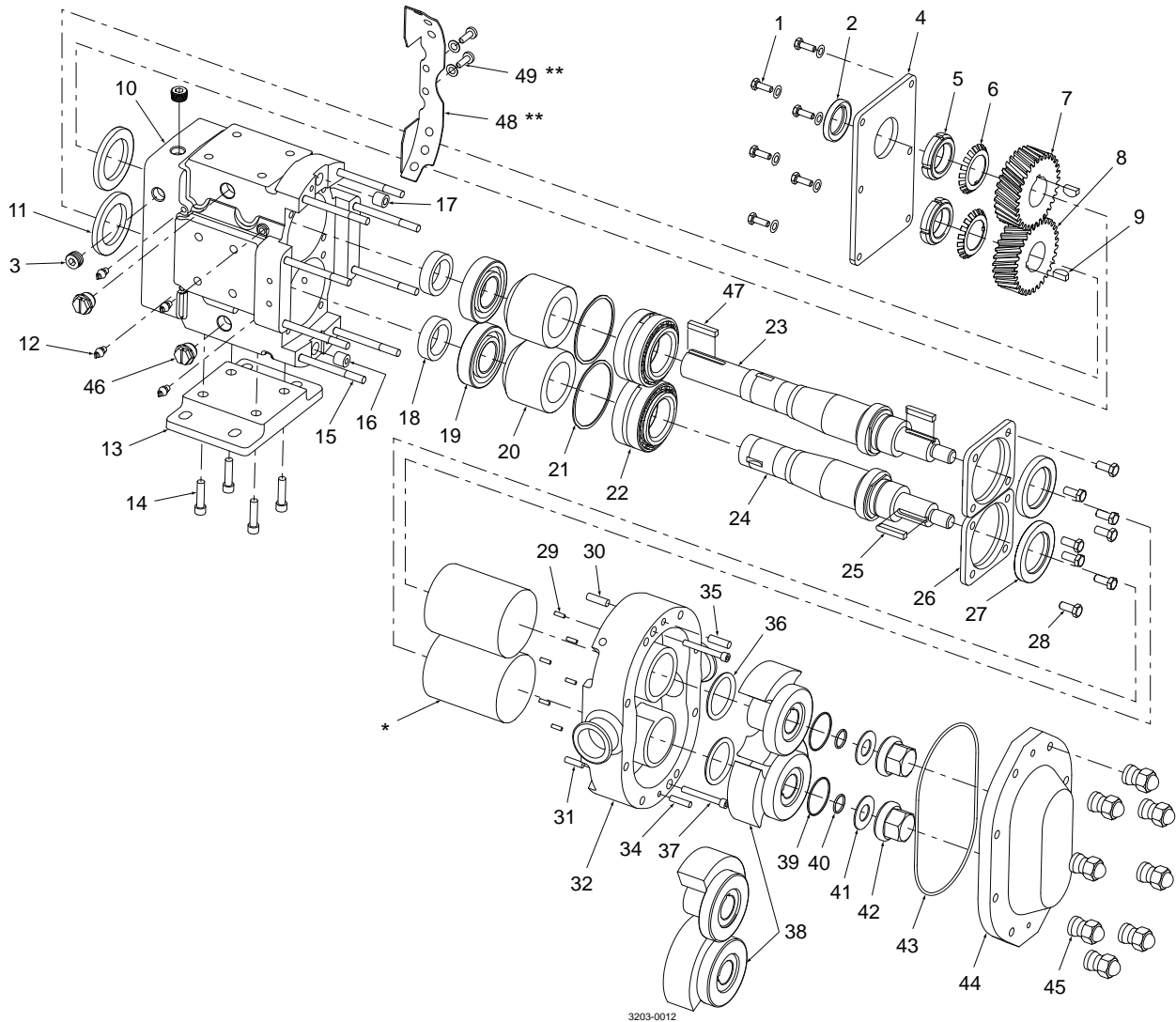
Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
<b>Single Mechanical Seal:</b>					
101	1	Inner Seal O-ring, NBR	N70028	9639062201	
	1	Inner Seal O-ring, EPDM	E70028	9639062202	
	1	Inner Seal O-ring, FPM	V70028	9639062203	
102	1	Seal Seat O-ring, NBR	N70024	9639262101	
	1	Seal Seat O-ring, EPDM	E70024	9639262102	
	1	Seal Seat O-ring, FPM	V70024	9639262103	
103	1	Seal Seat, Silicon Carbide	101668	9639267103	
	1	Seal Seat, Ceramic	101667	9639267102	
104	1	Seal Inner, Silicon Carbide	101653	9639268103	
	1	Seal Inner, Ceramic	101652	9639268102	
	1	Seal Inner, Carbon	101651	9639268101	
105	1	Inner Wave Spring	101683	9639269101	
<b>Double Mechanical Seal:</b>					
111	1	Inner Seal O-ring, NBR	N70028	9639062201	
	1	Inner Seal O-ring, EPDM	E70028	9639062202	
	1	Inner Seal O-ring, FPM	V70028	9639062203	
112	1	Seal Seat O-ring, NBR	N70024	9639262101	
	1	Seal Seat O-ring, EPDM	E70024	9639262102	
	1	Seal Seat O-ring, FPM	V70024	9639262103	
113	1	Seal Seat, Silicon Carbide	101668	9639267103	
	1	Seal Seat, Ceramic	101667	9639267102	
114	1	Seal Inner, Silicon Carbide	101653	9639268103	
	1	Seal Inner, Ceramic	101652	9639268102	
	1	Seal Inner, Carbon	101651	9639268101	
115	1	Inner Wave Spring	101683	9639269101	
116	1	Outer Seal O-ring, NBR	N70035	9639261301	
	1	Outer Seal O-ring, EPDM	E70035	9639261302	
	1	Outer Seal O-ring, FPM	V70035	9639261303	
117	1	Outer seal, Carbon	101679	9639270101	
118	1	Outer Wave Spring	101684	9639271101	
			EPDM	NBR	FPM

Servie kit sealing for SCPP2/006/015/018

□	Seal kit, Double Mechanical Seal/SC, SC/C	9639202001	9639202013	9639202007
◇	Seal kit, Single Mechanical Seal/CER, C	9639202017	9639202027	9639202022
◇	Seal kit, Single Mechanical Seal/SC, C	9639202031	9639202043	9639202037
◇	Seal kit, Single Mechanical Seal/SC, SC	9639202047	9639202057	9639202052

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only (not mandatory for USA market)

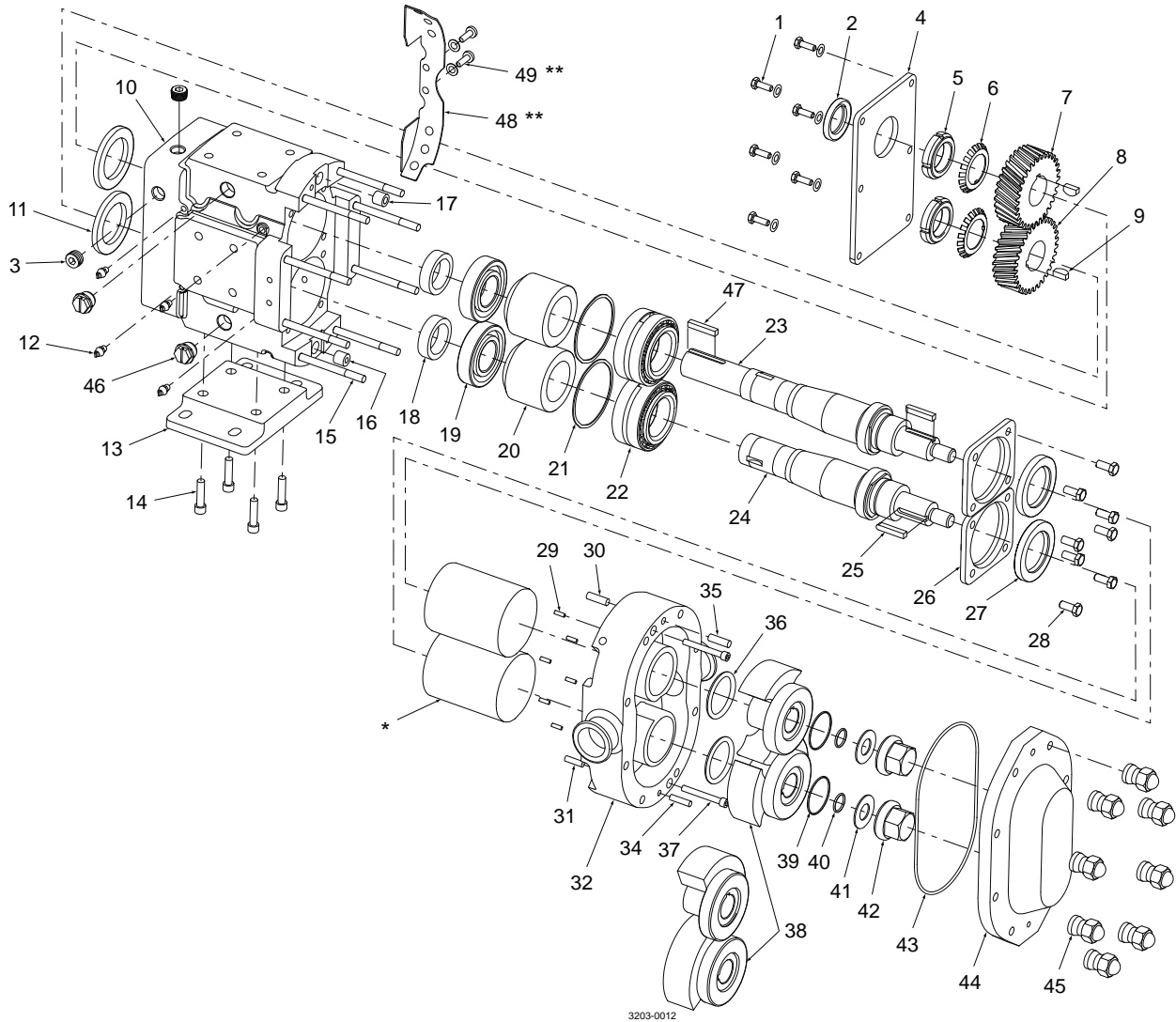


3203-0012

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS		
1a	6	Washer GC Cover Capscrew, SS		9639001102
2	1	Oil Seal - Gear Case Cover	000030013	9639002201
3	4	Oil Level, Drain Plug, SS		9639003201
4	1	Gear Case Cover, Steel (includes installed seal)		
	1	Gear Case Cover, SS (includes installed seal)		
5	2	Lock Nut - Gear	CD0036N00	9639005201
6	2	Lock Washer - Gear	CD0036W00	9639006201
7	1	Gear Drive Shaft		
8	1	Gear Short Shaft	030007002	9639008201
9	2	Key, Gear	BD0037000	9639009201
10	1	Gear Case, CI		
	1	Gear Case, SS	101833	9639010202
11	1	Oil Seal Rear	000030014	9639011201
12	8	Grease Fitting 1/8	BD0092000	9639012101
	8	Grease Fitting 1/8, SS		9639012102
13	1	Mounting Shim (Gear Case Base), CI	040110000	9639013201
	1	Mounting Shim (Gear Case Base), SS		
14	4	Capscrew, Gear Case Base, SS		
15	8	Stud, 030	108842	9639015201
	8	Stud Jacketed cover, 030	108845	9639015203
16	1	Dowel Busing Lower		
17	1	Dowel Bushing, Upper		
18	2	Spacer Gear to Rear Bearing	030055000	9639018201
19	2	Rear Bearing	030035000	9639019201
20	2	Spacer Bearing	101815	9639020201
21	2	Shim Kit		9639021201
22	2	Front Bearing	101715	9639022201
23	1	Drive Shaft (17-4PH)	108409	9639223201
24	1	Auxillary Shaft (17-4PH)	108410	9639224201
25	2	Rotor Key, 030	101821	9639225201
26	2	Bearing Retainer Front	120333	9639026201
	2	Bearing Retainer Front (previous version)	101811	9639026203
27	2	Grease Seal Front Brg Ret	121680	9639027201
	2	Grease Seal Front Brg Ret (previous version)		
28	8	Button Head Cap Screw, Bearing Retainer, SS	3029	9639028201
29	6	Stop Pin, Seal	101719	9639229201
30	1	Dowel Pin, Upper Gear Case Side	BD0040200	9639030201
31	1	Dowel Pin, Lower Gear Case Side	BD0040300	9639031201
32	1	Rotorcase, 030 - 1.1/2" Triclamp		
	1	Rotorcase, 030 - 2" Triclamp		9639232202
	1	Rotorcase for Flush, 030 - 1.1/2" Triclamp		9639232211
	1	Rotorcase for Flush, 030 - 2" Triclamp		9639232212
34	1	Dowel Pin, Lower Cover Side	BD0040100	9639034201
35	1	Dowel Pin, Upper Cover Side	BD0040000	9639035201
36	♦	2 Rotor Hub O-ring, EPDM		9639236202
	♦	2 Rotor Hub O-ring, NBR		9639236201
	♦	2 Rotor Hub O-ring, FPM		9639236203
37	2	Rotorcase Retaining Screw, 030		9639037201
38	2	Rotor Twin Blade, Non-Galling Alloy, 030	102151	9639238201
39	♦	2 Rotor nut O-ring, EPDM		9639239202
	♦	2 Rotor nut O-ring, NBR		9639239201
	♦	2 Rotor nut O-ring, FPM		9639239203
40	♦	2 Retainer O-ring, EPDM		9639240202
	♦	2 Retainer O-ring, NBR		9639240201
	♦	2 Retainer O-ring, FPM		9639240203

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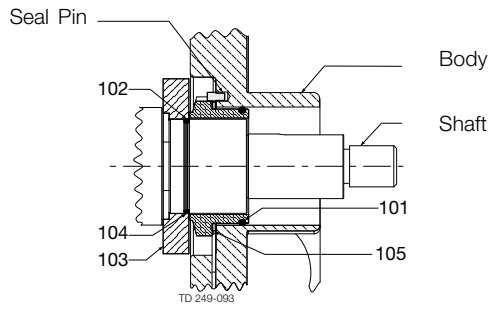
- \* See seal repair parts
- \*\* Required for European CE compliance only  
(not mandatory for USA market)



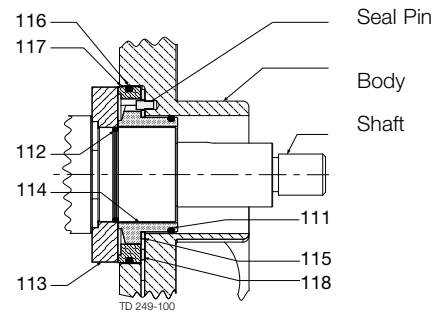


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
41	2	Washer, Belleville	101692	9639241201	
42	2	Rotor Nut	101805	9639242201	
43	1	Cover O-ring - NBR	N70259	9639243201	
	1	Cover O-ring - EPDM	E70259	9639243202	
	1	Cover O-ring - FPM	V70259	9639243203	
44	1	Pump Cover	101845	9639244201	
	1	Pump Cover - Jacketed			
45	8	Hex Nut	108370	9639045202	
	8	Wing Nut	105851	9639045201	
46	4	Large Cleanout Plug		9639046201	
47	1	Drive Shaft Key, 1/4 X 1/4 X 1 3/4	000037002	9639047201	
48	2	Seal Guards, SS		9639048201	
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O-ring Removal Tool	AD0096001	9639090101	
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639090301	
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	12	Plastic Cap Tapped Holes, Mounting Pad	000121002	9639090702	
	2	Eye Bolt	30360	9639090801	
			<b>EPDM</b>	<b>NBR</b>	<b>FPM</b>
<b>Service kit for SCPP2/030</b>					
◇		Service kit - Single Mechanical Seal SC/C	9639203021	9639203016	9639203026
◇		Service kit - Single Mechanical Seal SC/SC	9639203022	9639203017	9639203027
◇		Service kit - Single Mechanical Seal CER/C	9639203023	9639203018	9639203028
□		Service kit - Double Mechanical Seal SC/SC/C	9639203024	9639203019	9639203029
<b>O-Ring kit for SCPP2/030</b>					
◆		O-Ring kit	9639201005	9639201004	9639201006

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Single Mechanical Seal



Double Mechanical Seal

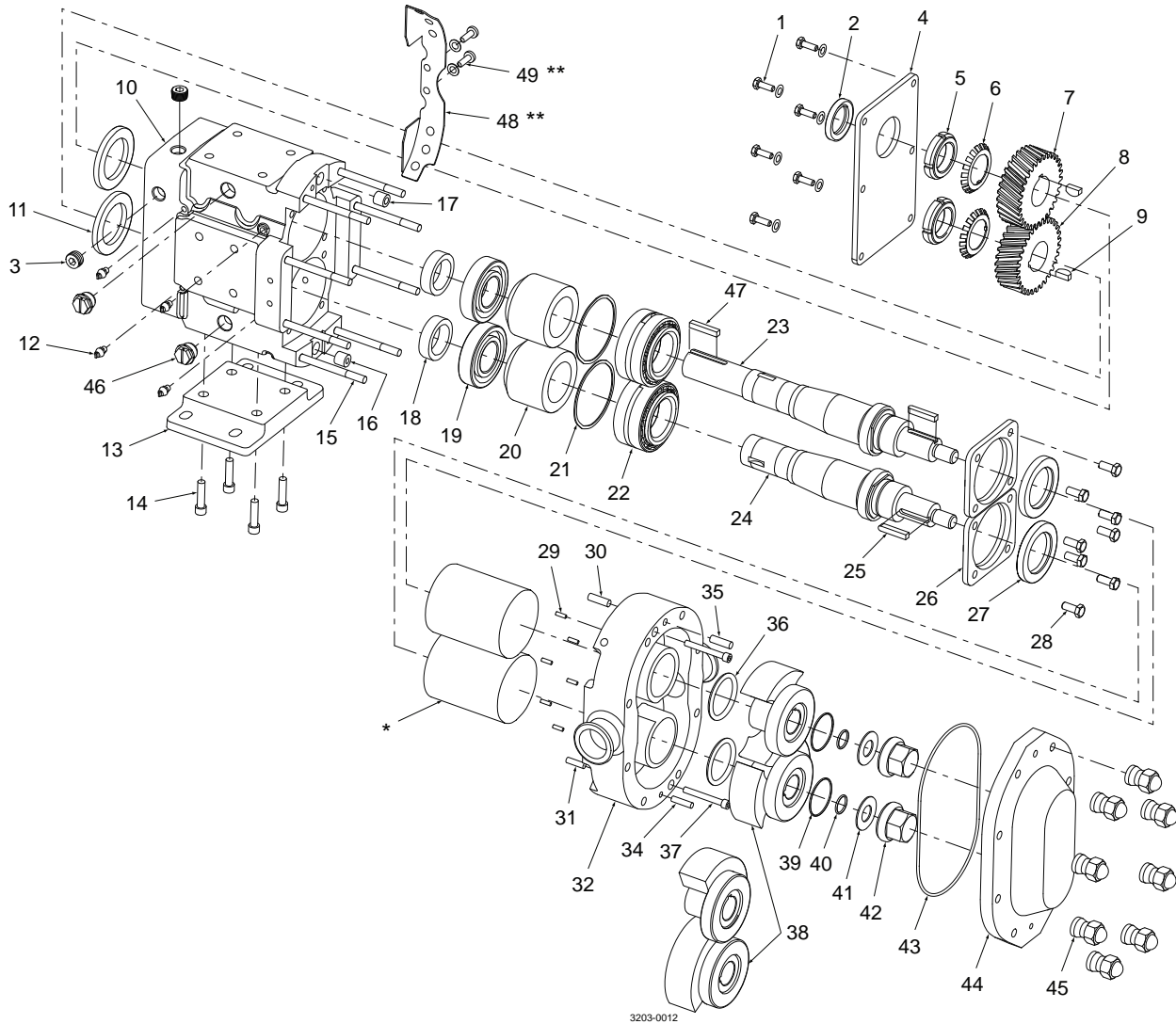
Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
<b>Single Mechanical Seal:</b>					
101	1	Inner Seal O-ring, NBR	N70031	9639261201	
	1	Inner Seal O-ring, EPDM	E70031	9639261202	
	1	Inner Seal O-ring, FPM	V70031	9639261203	
102	1	Seal Seat O-ring, NBR	N70029	9639262201	
	1	Seal Seat O-ring, EPDM	E70029	9639262202	
	1	Seal Seat O-ring, FPM	V70029	9639262203	
103	1	Seal Seat, Silicon Carbide	101671	9639267203	
	1	Seal Seat, Ceramic	101670	9639267202	
104	1	Inner Seal, Silicon Carbide	101657	9639268203	
	1	Inner Seal, Ceramic	101656	9639268202	
	1	Inner Seal, Carbon	101655	9639268201	
105	1	Inner Wave Spring	101685	9639269201	
<b>Double Mechanical Seal:</b>					
111	1	Inner Seal O-ring, NBR	N70031	9639261201	
	1	Inner Seal O-ring, EPDM	E70031	9639261202	
	1	Inner Seal O-ring, FPM	V70031	9639261203	
112	1	Seal Seat O-ring, NBR	N70029	9639262201	
	1	Seal Seat O-ring, EPDM	E70029	9639262202	
	1	Seal Seat O-ring, FPM	V70029	9639262203	
113	1	Seal Seat, Silicon Carbide	101671	9639267203	
	1	Seal Seat, Ceramic	101670	9639267202	
114	1	Seal Inner, Silicon Carbide	101657	9639268203	
	1	Seal Inner, Ceramic	101656	9639268202	
	1	Seal Inner, Carbon	101655	9639268201	
115	1	Inner Wave Spring	101685	9639269201	
116	1	Outer Seal O-ring, NBR	N70041	9639261401	
	1	Outer Seal O-ring, EPDM	E70041	9639261402	
	1	Outer Seal O-ring, FPM	V70041	9639261403	
117	1	Outer seal, Carbon	101686	9639270201	
118	1	Outer Wave Spring	101680	9639271201	
			EPDM	NBR	FPM

**Service kit sealing for SCPP2/030**

□	Seal kit, Double Mechanical Seal/SC, SC/C	9639202002	9639202014	9639202008
◇	Seal kit, Single Mechanical Seal/CER, C	9639202018	9639202028	9639202023
◇	Seal kit, Single Mechanical Seal/SC, C	9639202032	9639202044	9639202038
◇	Seal kit, Single Mechanical Seal/SC, SC	9639202048	9639202059	9639202053

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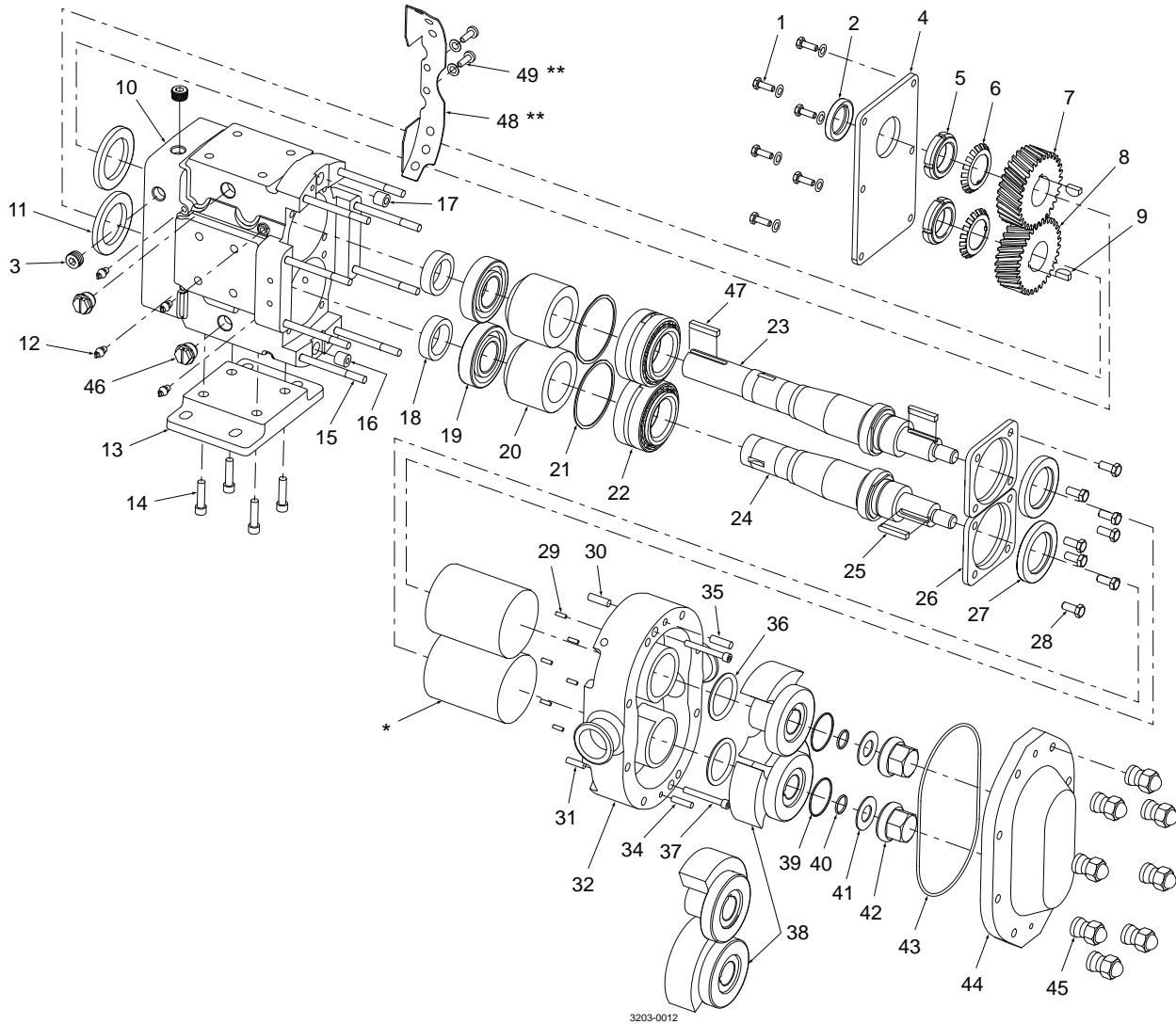
- \* See seal repair parts
- \*\* Required for European CE compliance only (not mandatory for USA market)



Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	3050	9639001301
1a	6	Washer GC Cover Capscrew, SS		9639001302
2	1	Oil Seal - Gear Case Cover	000030012	9639002301
3	4	Oil Level, Drain Plug, SS		9639003201
4	1	Gear Case Cover, Steel (includes installed seal)		
	1	Gear Case Cover, SS (includes installed seal)		
5	2	Lock Nut - Gear	STD236009	9639005301
6	2	Lock Washer - Gear	STD136009	9639006301
7	1	Gear Drive Shaft	060007001	9639007301
8	1	Gear Short Shaft	060007002	9639008301
9	2	Key, Gear	060037000	9639009301
10	1	Gear Case, CI		
	1	Gear Case, SS	101834	9639010302
11	2	Oil Seal Rear	000030011	9639011301
12	8	Grease Fitting 1/8	BD0092000	9639012101
	8	Grease Fitting 1/8, SS		9639012102
13	1	Mounting Shim (Gear Case Base), CI	070110000	9639013301
	1	Mounting Shim (Gear Case Base), SS		
14	4	Socket Head Capscrew, Mounting Shim, SS		9639014301
15	8	Stud, 045		9639015308
	8	Stud Jacketed cover, 045		9639015309
	8	Stud, 060	108843	9639015301
	8	Stud Jacketed Cover, 060	108846	9639015303
	8	Stud, 130	130011000	9639015302
	8	Stud Jacketed Cover, 130	130011001	9639015304
16	1	Dowel Bushing, Lower	CD0116100	9639016301
17	1	Dowel (lower cover)	CD0116000	9639017301
18	2	Spacer Gear to Rear Bearing	107187	9639018301
19	2	Rear Bearing	107186	9639019301
20	2	Spacer Bearing	060055003	9639020301
21	2	Shim Kit	117891	9639021301
22	2	Front Bearing	060036000	9639022301
23	1	Drive Shaft (17-4PH), 045		
	1	Drive Shaft (17-4PH), 060	108411	9639223302
	1	Drive Shaft (17-4PH), 130	108413	9639223303
24	1	Auxillary Shaft (17-4PH), 045	110022	9639224301
	1	Auxillary Shaft (17-4PH), 060	108412	9639224302
	1	Auxillary Shaft (17-4PH), 130	108414	9639224303
25	2	Rotor Key, 045	110926	9639225301
	2	Rotor Key, 060	101823	9639225302
	2	Rotor Key, 130	101825	9639225303
26	2	Bearing Retainer Front	121828	9639026301
	2	Bearing Retainer Front (previous version)	101812	9639026302
27	2	Grease Seal Front Brg Ret	101829	9639227303
28	8	Button Head Cap Screw, Bearing Retainer, SS		
29	6	Stop Pin, Seal	101720	9639229301
30	1	Dowel Pin, Upper Gear Case	CD0040R00	9639030301
31	1	Dowel Pin, Lower Gear Case Side	CD0040R10	9639031301
32	1	Rotorcase, 045 - 2" Triclamp		
	1	Rotorcase, 060 - 2.1/2" Triclamp		9639232303
	1	Rotorcase, 060 - 3" Triclamp		
	1	Rotorcase, 130 - 3" Triclamp		
	1	Rotorcase for Flush, 045 - 2" Triclamp		
	1	Rotorcase for Flush, 060 - 2.1/2" Triclamp		9639232313
	1	Rotorcase for Flush, 130 - 3" Triclamp		
34	1	Dowel Pin, Lower Cover Side	CD0040100	9639034301
35	1	Dowel Pin, Upper Cover Side	CD0040000	9639035301
36	◆	2 Rotor hub O-ring, EPDM		9639236302
	◆	2 Rotor hub O-ring, NBR		9639236301
	◆	2 Rotor hub O-ring, FPM		9639236303
37	2	Rotorcase Retaining Screw, 045		9639037301
	2	Rotorcase Retaining Screw, 060		9639037302
	2	Rotorcase Retaining Screw, 130		9639037303
38	2	Rotor Twin Blade, Non-Galling Alloy, 045	107252	9639238301
	2	Rotor Twin Blade, Non-Galling Alloy, 060	102163	9639238302
	2	Rotor Twin Blade, Non-Galling Alloy, 130	102175	9639238303
39	◆	2 Rotor nut O-ring, EPDM		9639239302
	◆	2 Rotor nut O-ring, NBR		9639239301
	◆	2 Rotor nut O-ring, FPM		9639239303
40	◆	2 Retainer O-ring, EPDM		9639240302
	◆	2 Retainer O-ring, NBR		9639240301
	◆	2 Retainer O-ring, FPM		9639240303

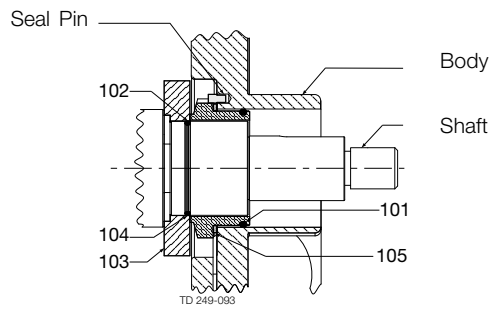
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- \* See seal repair parts
- \*\* Required for European CE compliance only (not mandatory for USA market)

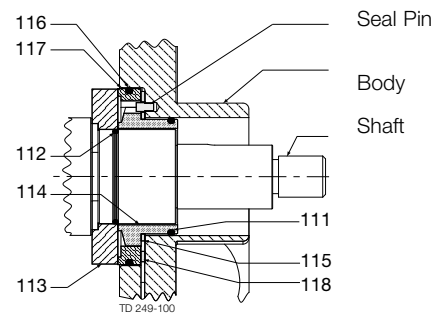


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
41	2	Washer, Belleville	101693	9639241301	
42	2	Rotor Nut	101806	9639242301	
43	1	Cover O-ring - NBR	N70373	9639243301	
	1	Cover O-ring - EPDM	E70373	9639243302	
	1	Cover O-ring - FPM	V70373	9639243303	
44	1	Pump Cover	101848	9639244301	
	1	Pump Cover - Jacketed	107668	9639244302	
45	8	Hex Nut	108371	9639045302	
	8	Wing Nut	105852	9639045301	
46	4	Large Cleanout Plug		9639046301	
47	1	Drive Shaft Key, 3/8 X 3/8 X 1 5/8	000037003	9639047301	
48	2	Seal Guards, SS		9639048301	
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O-ring Removal Tool	AD0096001	9639090101	
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639090301	
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	12	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639090703	
	2	Eye Bolt	30360	9639090801	
			EPDM	NBR	FPM
<b>Service kit for SCPP2/045/060/130</b>					
◇		Service kit - Single Mechanical Seal SC/C	9639203036	9639203031	9639203041
◇		Service kit - Single Mechanical Seal SC/SC	9639203037	9639203032	9639203042
◇		Service kit - Single Mechanical Seal CER/C	9639203038	9639203033	9639203043
□		Service kit - Double Mechanical Seal SC/SC/C	9639203039	9639203034	9639203044
<b>O-Ring kit for SCPP2/045/060/130</b>					
◆		O-Ring kit	9639201008	9639201007	9639201009

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Single Mechanical Seal



Double Mechanical Seal



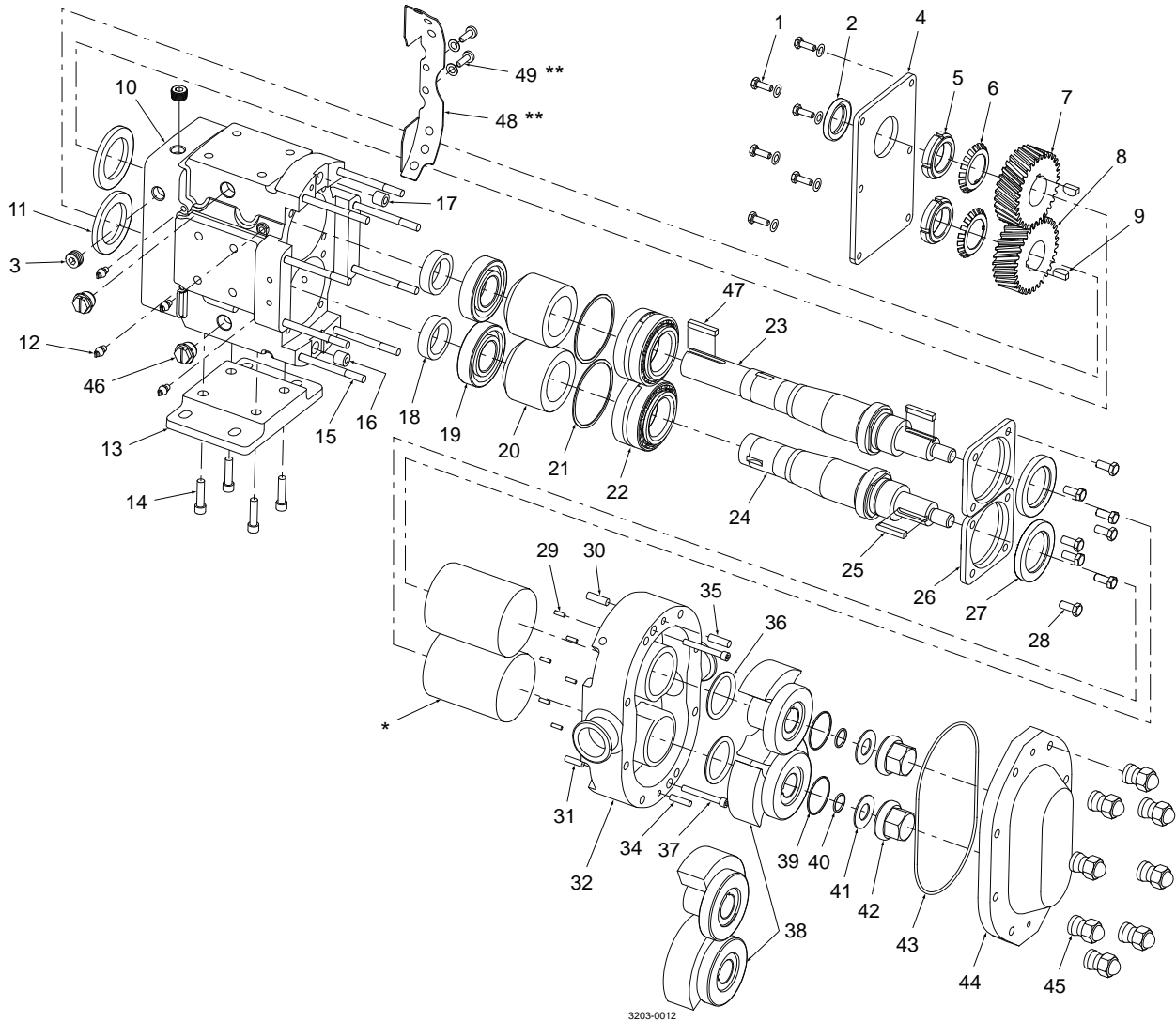
Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
<b>Single Mechanical Seal:</b>					
101	1	Inner Seal O-ring, NBR	N70035	9639261301	
	1	Inner Seal O-ring, EPDM	E70035	9639261302	
	1	Inner Seal O-ring, FPM	V70035	9639261303	
102	1	Seal Seat O-ring, NBR	N70133	9639262301	
	1	Seal Seat O-ring, EPDM	E70133	9639262302	
	1	Seal Seat O-ring, FPM	V70133	9639262303	
103	1	Seal Seat, Silicon Carbide	101674	9639267303	
	1	Seal Seat, Ceramic	101673	9639267302	
104	1	Inner Seal, Silicon Carbide	101661	9639268303	
	1	Inner Seal, Ceramic	101660	9639268302	
	1	Inner Seal, Carbon	101659	9639268301	
105	1	Inner Wave Spring	101687	9639269301	
<b>Double Mechanical Seal:</b>					
111	1	Inner Seal O-ring, NBR	N70035	9639261301	
	1	Inner Seal O-ring, EPDM	E70035	9639261302	
	1	Inner Seal O-ring, FPM	V70035	9639261303	
112	1	Seal Seat O-ring, NBR	N70133	9639262301	
	1	Seal Seat O-ring, EPDM	E70133	9639262302	
	1	Seal Seat O-ring, FPM	V70133	9639262303	
113	1	Seal Seat, Silicon Carbide	101674	9639267303	
	1	Seal Seat, Ceramic	101673	9639267302	
114	1	Seal Inner, Silicon Carbide	101661	9639268303	
	1	Seal Inner, Ceramic	101660	9639268302	
	1	Seal Inner, Carbon	101659	9639268301	
115	1	Inner Wave Spring	101687	9639269301	
116	1	Outer Seal O-ring, NBR	N70043	9639265301	
	1	Outer Seal O-ring, EPDM	E70043	9639265302	
	1	Outer Seal O-ring, FPM	V70043	9639265303	
117	1	Outer seal, Carbon	101681	9639270301	
118	1	Outer Wave Spring	101688	9639271301	
			EPDM	NBR	FPM

Service kit sealing for SCPP2/045/060/130

□	Seal kit, Double Mechanical Seal/SC, SC/C	9639202003	9639202015	9639202009
◇	Seal kit, Single Mechanical Seal/CER, C	9639202019	9639202029	9639202024
◇	Seal kit, Single Mechanical Seal/SC, C	9639202033	9639202045	9639202039
◇	Seal kit, Single Mechanical Seal/SC, SC	9639202049	9639202059	9639202054

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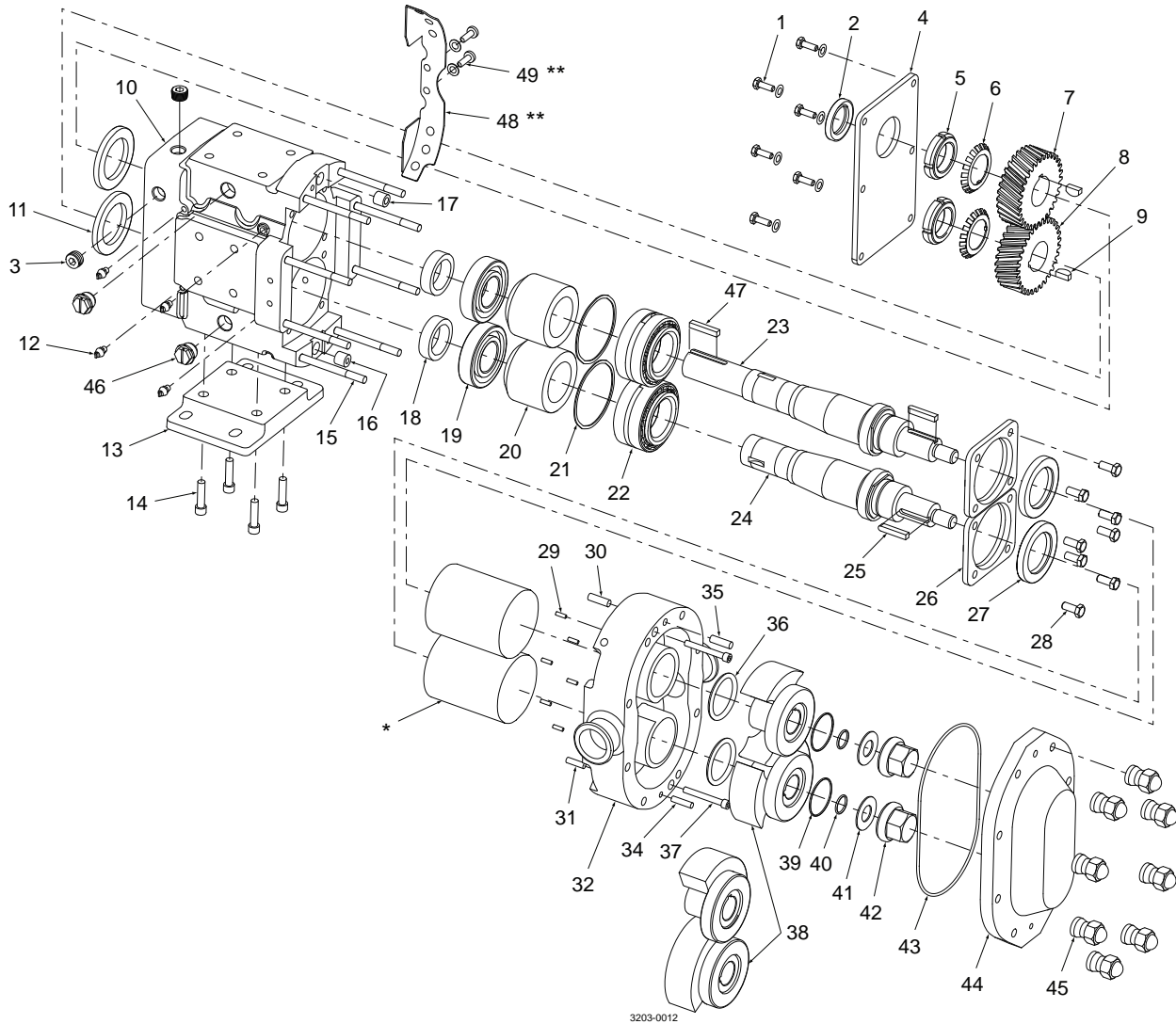
- \* See seal repair parts
- \*\* Required for European CE compliance only  
(not mandatory for USA market)



Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	3050	9639001301
1a	6	Washer GC Cover Capscrew, SS		9639001302
2	1	Oil Seal - Gear Case Cover	STD030006	9639002401
3	4	Oil Level, Drain Plug		9639003301
4	1	Gear Case Cover, Steel (includes installed seal)		
5	2	Lock Nut - Gear	STD236011	9639005401
6	2	Lock Washer - Gear	STD136011	9639006401
7	1	Gear Drive Shaft	110932	9639007401
8	1	Gear Short Shaft	110932	9639008401
9	2	Key, Gear	200037000	9639009401
10	1	Gear Case, CI		
11	2	Oil Seal Rear	STD119002	9639011401
12	8	Grease Fitting 1/8	BD0092000	9639012101
13	1	Mounting Shim (Gear Case Base), CI	230110000	9639013401
14	4	Socket Head Capscrew, GC Base		
15	8	Stud, 220	108844	9639015401
	8	Stud, 180	107243	9639015402
16	1	Dowel Bushing, Lower	CD0116100	9639016301
17	1	Dowel (lower cover)	CD0116000	9639017301
18	2	Spacer Gear to Rear Bearing	40878	9639018401
19	2	Rear Bearing	200035000	9639019401
20	2	Spacer Bearing	40752	9639020401
21	2	Shim Kit		9639021401
22	2	Front Bearing	200036000	9639022401
23	1	Drive Shaft (17-4PH), 220	108415	9639223401
	1	Drive Shaft (17-4PH), 180		
24	1	Auxillary Shaft (17-4PH), 220	108416	9639224401
	1	Auxillary Shaft (17-4PH), 180	110024	9639224402
25	2	Rotor Key, 220	101827	9639225401
	2	Rotor key, 180	101828	9639225402
26	2	Bearing Retainer Front	121829	9639026401
	2	Bearing Retainer Front (previous version)	101813	9639026402
27	2	Grease Seal Front Brg Ret	121681	9639027401
28	8	Button Head Cap Screw, Bearing Retainer, SS		
29	6	Stop Pin, Seal	101720	9639229301
30	1	Dowel Pin, Upper Gear Case	CD0040R00	9639030301
31	1	Dowel Pin, Lower Gear Case Side	CD0040R10	9639031301
32	1	Rotorcase, 180 - 3" Triclamp		9639232401
	1	Rotorcase, 180 - 4" Triclamp		
	1	Rotorcase, 220 - 4" Triclamp		9639232403
34	1	Dowel Pin, Lower Cover Side	GD0040100	9639034401
35	1	Dowel Pin, Upper Cover Side	GD0040000	9639035401
36	♦	2 Rotor hub O-ring, EPDM		9639236402
	♦	2 Rotor hub O-ring, NBR		9639236401
	♦	2 Rotor hub O-ring, FPM		9639236403
37	2	Body Retaining Screw, 180		
	2	Body Retaining Screw, 220	30499	9639037402
38	2	Rotor Twin Blade, Non-Galling Alloy, 220	102187	9639238402
	2	Rotor Twin Blade, Non-Galling Alloy, 180	107273	9639238401
39	♦	2 Rotor nut O-ring, EPDM		9639239402
	♦	2 Rotor nut O-ring, NBR		9639239401
	♦	2 Rotor nut O-ring, FPM		9639239403
40	♦	2 Retainer O-ring, EPDM		9639240402
	♦	2 Retainer O-ring, NBR		9639240401
	♦	2 Retainer O-ring, FPM		9639240403

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only  
(not mandatory for USA market)



Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
41	2	Washer, Belleville	101694	9639241401	
42	2	Rotor Nut	101807	9639242401	
43	1	Cover O-ring - NBR	N70381	9639243401	
	1	Cover O-ring - EPDM	E70381	9639243402	
	1	Cover O-ring - FPM	V70381	9639243403	
44	1	Pump Cover	101851	9639244401	
45	8	Hex Nut	108372	9639045402	
	8	Wing Nut	105853	9639045401	
46	4	Large Cleanout Plug		9639046301	
47	1	Drive Shaft Key, 1/2 X 1/2 X 1 7/8	000037004	9639047401	
48	2	Seal Guards, SS		9639048401	
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O-ring Removal Tool	AD0096001	9639090101	
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639090301	
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	10	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639090703	
	2	Eye Bolt	30-360	9639090801	
			EPDM	NBR	FPM

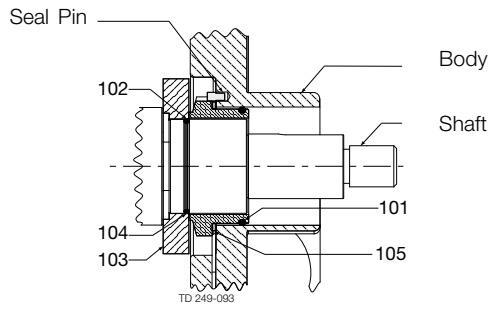
Service kit for SCPP2/180/220

◇	Service kit - Single Mechanical Seal SC/C	9639203051	9639203046	9639203056
◇	Service kit - Single Mechanical Seal SC/SC	9639203052	9639203047	9639203057
◇	Service kit - Single Mechanical Seal CER/C	9639203053	9639203048	9639203058
□	Service kit - Double Mechanical Seal SC/SC/C	9639203054	9639203049	9639203059

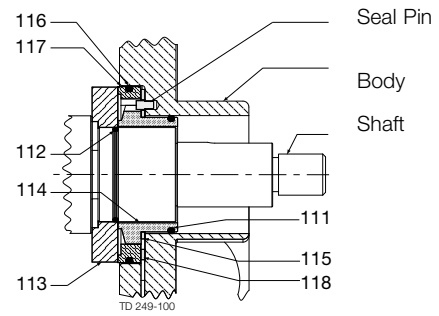
O-Ring kit for SCPP2/180/220

◆	O-Ring kit	9639201011	9639201010	9639201012
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*Not manufactured anymore*



Single Mechanical Seal



Double Mechanical Seal

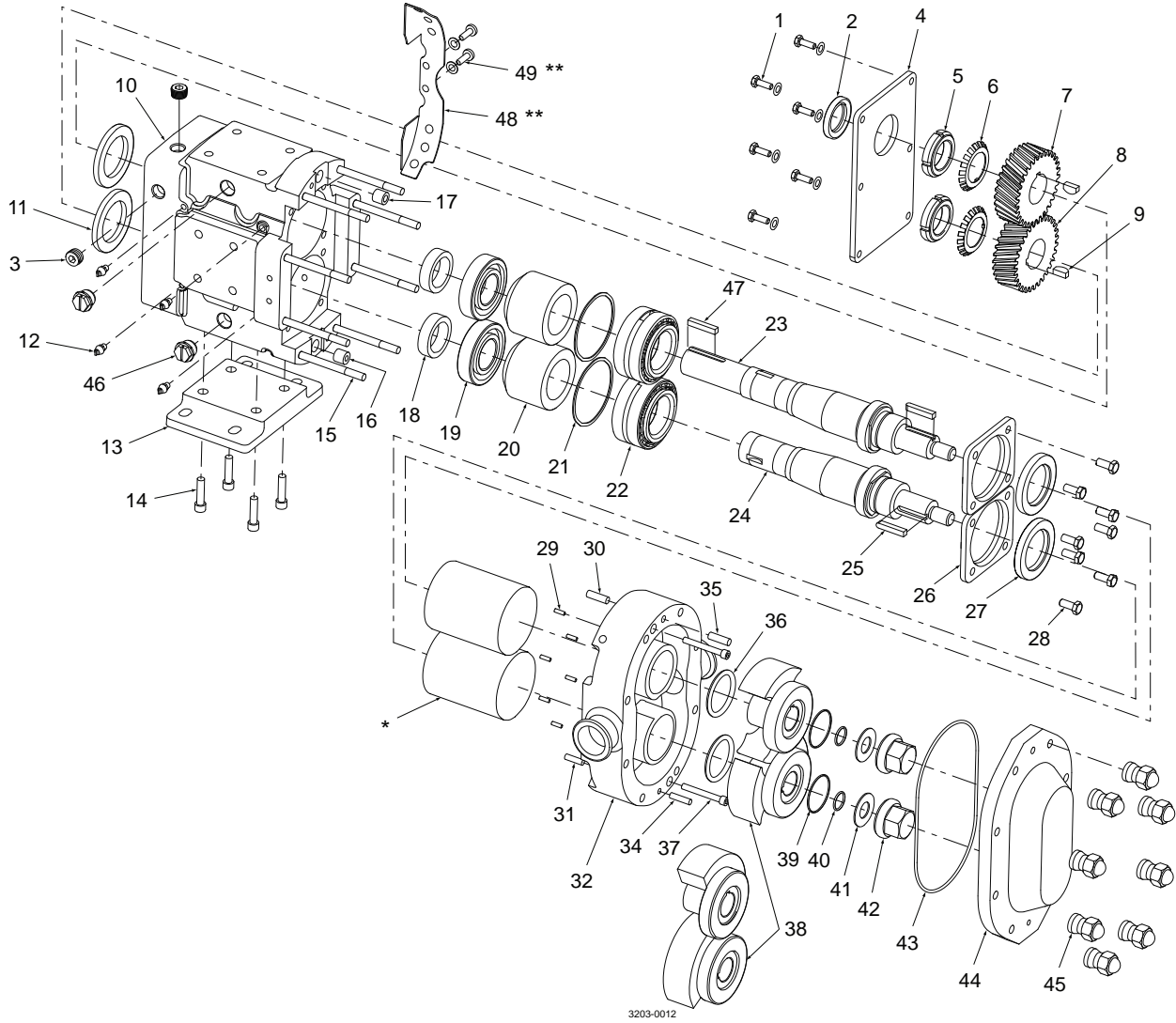
Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
<b>Single Mechanical Seal:</b>					
101 ✦	1	Inner Seal O-ring, NBR	N70041	9639261401	
	1	Inner Seal O-ring, EPDM	E70041	9639261402	
	1	Inner Seal O-ring, FPM	V70041	9639261403	
102 ✦	1	Seal Seat O-ring, NBR	N70145	9639262401	
	1	Seal Seat O-ring, EPDM	E70145	9639262402	
	1	Seal Seat O-ring, FPM	V70145	9639262403	
103 ✦	1	Seal Seat, Silicon Carbide	101677	9639267403	
	1	Seal Seat, Ceramic	101676	9639267402	
104 ✦	1	Inner Seal, Silicon Carbide	101665	9639268403	
	1	Inner Seal, Ceramic	101664	9639268402	
	1	Inner Seal, Carbon	101663	9639268401	
105 ✦	1	Inner Wave Spring	101689	9639269401	
<b>Double Mechanical Seal:</b>					
111 □	1	Inner Seal O-ring, NBR	N70041	9639261401	
	1	Inner Seal O-ring, EPDM	E70041	9639261402	
	1	Inner Seal O-ring, FPM	V70041	9639261403	
112 □	1	Seal Seat O-ring, NBR	N70145	9639262401	
	1	Seal Seat O-ring, EPDM	E70145	9639262402	
	1	Seal Seat O-ring, FPM	V70145	9639262403	
113 □	1	Seal Seat, Silicon Carbide	101677	9639267403	
	1	Seal Seat, Ceramic	101676	9639267402	
114 □	1	Seal Inner, Silicon Carbide	101665	9639268403	
	1	Seal Inner, Ceramic	101664	9639268402	
	1	Seal Inner, Carbon	101663	9639268401	
115 □	1	Inner Wave Spring	101689	9639269401	
116 □	1	Outer Seal O-ring, NBR	N70046	9639265401	
	1	Outer Seal O-ring, EPDM	E70046	9639265402	
	1	Outer Seal O-ring, FPM	V70046	9639265403	
117 □	1	Outer seal, Carbon	101682	9639270401	
118 □	1	Outer Wave Spring	101690	9639271401	
			EPDM	NBR	FPM

**Service kit sealing for SCPP2/180/220**

□	Seal kit, Double Mechanical Seal/SC, SC/C	9639202004	9639202016	9639202010
✦	Seal kit, Single Mechanical Seal/CER, C	9639202020	9639202030	9639202025
✦	Seal kit, Single Mechanical Seal/SC, C	9639202034	9639202046	9639202040
✦	Seal kit, Single Mechanical Seal/SC, SC	9639202050	9639202060	9639202055

*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only (not mandatory for USA market)

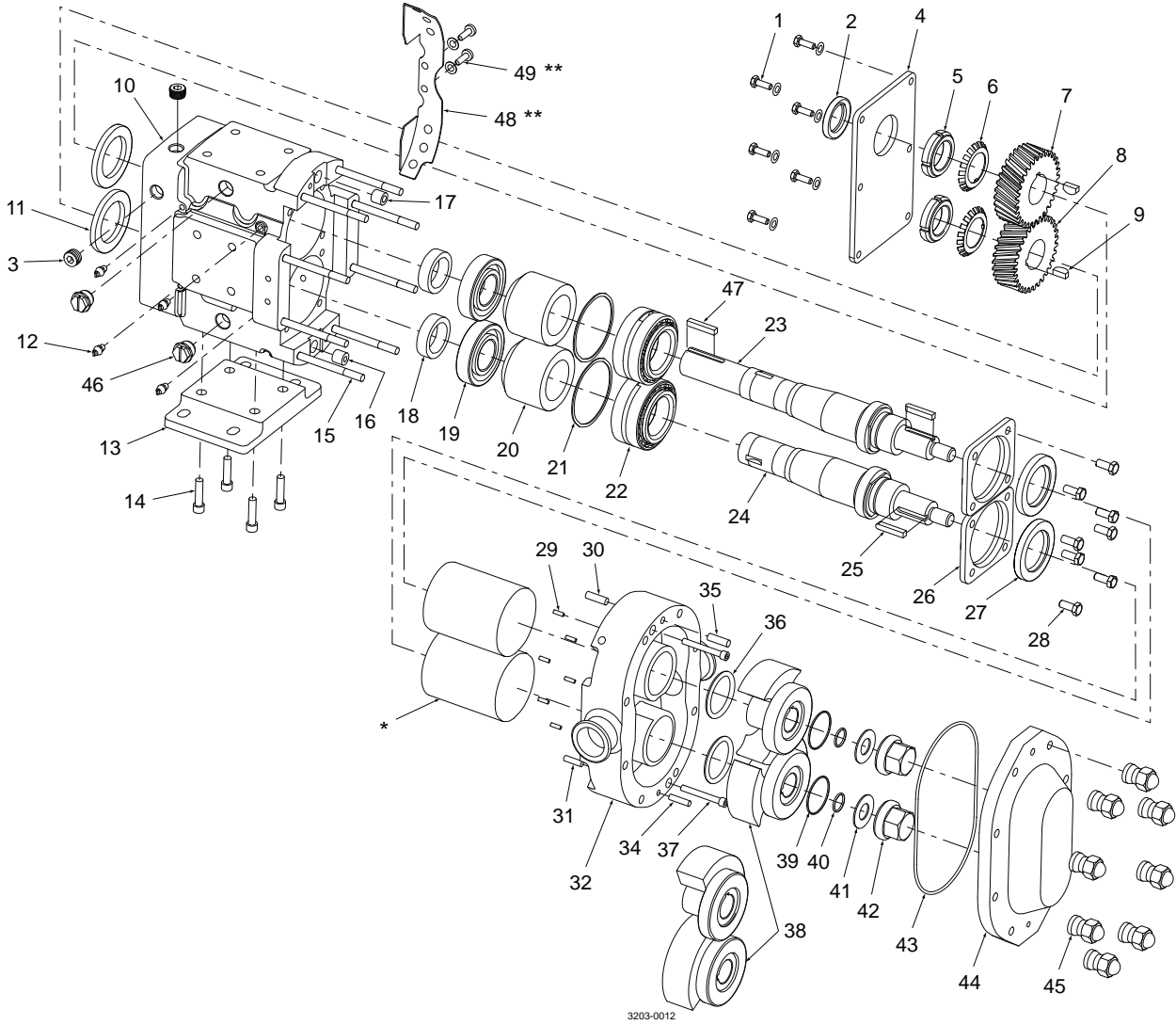




Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	3050	9639001301
1a	6	Washer GC Cover Capscrew, SS		9639001302
2	1	Oil Seal - Gear Case Cover		9639002501
	1	Oil Seal - Gear Case Cover (alternative version)	STD030004	9639002502
3	4	Oil Level, Drain Plug		9639003301
4	1	Gear Case Cover, Steel (includes installed seal)		
5	2	Lock Nut - Gear	105697	9639005501
6	2	Lock Washer - Gear		9639006501
7	1	Gear Drive Shaft	102470	9639007501
8	1	Gear Short Shaft	102470	9639008501
9	2	Key, Gear	0H1037000	9639009501
10	1	Gear Case, CI	40616	9639010501
11	2	Oil Seal Rear	102475	9639011501
12	8	Grease Fitting 1/8	BD0092000	9639012101
13	1	Mounting Shim (Gear Case Base), CI	40288	9639013501
14	4	Socket Head Capscrew, GC Base		
15	4	Stud, Cover, Long	111292	9639015501
15a	4	Stud, Cover, Short		
16&17	2	Dowel Bushing, Gearcase		
18	2	Spacer Gear to Rear Bearing	102474	9639018501
19	2	Rear Bearing	0H1036000	9639019501
20	2	Spacer Bearing	102472	9639020501
21	2	Shim Kit	117893	9639021501
22	2	Front Bearing	0H1036003	9639022501
23	1	Drive Shaft	112186	9639223501
24	1	Auxillary Shaft		
25	2	Rotor key, 210	105422	9639225501
26	2	Bearing Retainer Front	123533	9639026501
27	2	Grease Seal Front Brg Ret	121681	9639027401
28	8	Button Head Cap Screw, Bearing Retainer, SS		
29	6	Stop Pin Seal	102438	9639229501
30	2	Dowel Pin, Gear Case Side		9639031501
31	2	Dowel Pin, Gear Case Side		9639031501
32	1	Rotorcase, 210 - 4" Triclamp		
34	2	Dowel Pin, Cover Side		9639235501
35	2	Dowel Pin, Cover Side		9639235501
36	♦ 2	Rotor hub O-ring, EPDM		9639236502
	♦ 2	Rotor hub O-ring, NBR		9639236503
	♦ 2	Rotor hub O-ring, FPM		9639236501
37	2	Rotorcase Retaining Screw, 210		9639037303
38	2	Rotor Twin Blade, Non-Galling Alloy, 210	112199	9639238501
39	♦ 2	Rotor nut O-ring, EPDM		9639239502
	♦ 2	Rotor nut O-ring, NBR		9639239501
	♦ 2	Rotor nut O-ring, FPM		9639239503
40	♦ 2	Retainer O-ring, EPDM		9639240502
	♦ 2	Retainer O-ring, NBR		9639240501
	♦ 2	Retainer O-ring, FPM		9639240503

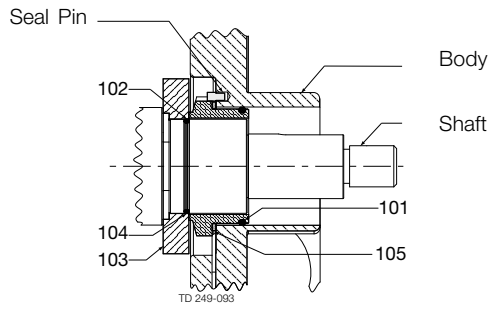
*Not manufactured anymore*

- \* See seal repair parts
- \*\* Required for European CE compliance only (not mandatory for USA market)

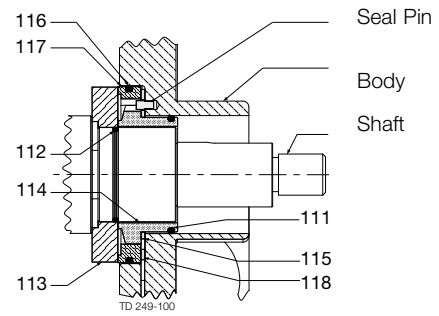


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
41	2	Washer, Belleville			
42	2	Rotor Nut	105409	9639242501	
43	1	Cover O-ring - NBR	N70382	9639243501	
	1	Cover O-ring - EPDM	E70382	9639243502	
	1	Cover O-ring - FPM	V70382	9639243503	
44	1	Pump Cover			
45	8	Hex Nut	108373	9639045502	
46	8	Large Cleanout Plug		9639046301	
47	8	Drive Shaft Key, 5/8 X 5/8 X 2 3/4	000037005	9639047501	
48	2	Seal Guards, SS			
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
	4	O-ring Removal Tool	AD0096001	9639090101	
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639090301	
	4	Grease micro plate #2 (1 lb tube)	000140002	9639090401	
	4	Sealant RTV	000142301	9639090501	
	8	Grease Fitting Cap, Red Plastic		9639090601	
	10	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639090703	
	3	Eye Bolt	30-360	9639090801	
			<b>EPDM</b>	<b>NBR</b>	<b>FPM</b>
<b>Service kit for SCPP2/210</b>					
◇		Service kit - Single Mechanical Seal SC/C	9639203061	9639203066	
◇		Service kit - Single Mechanical Seal SC/SC	9639203062	9639203067	
◇		Service kit - Single Mechanical Seal CER/C	9639203063	9639203068	
□		Service kit - Double Mechanical Seal SC/SC/C	9639203064	9639203069	
<b>O-Ring kit for SCPP2/210</b>					
◆		O-Ring kit	9639201014	9639201013 9639201015	

*Not manufactured anymore*



Single Mechanical Seal



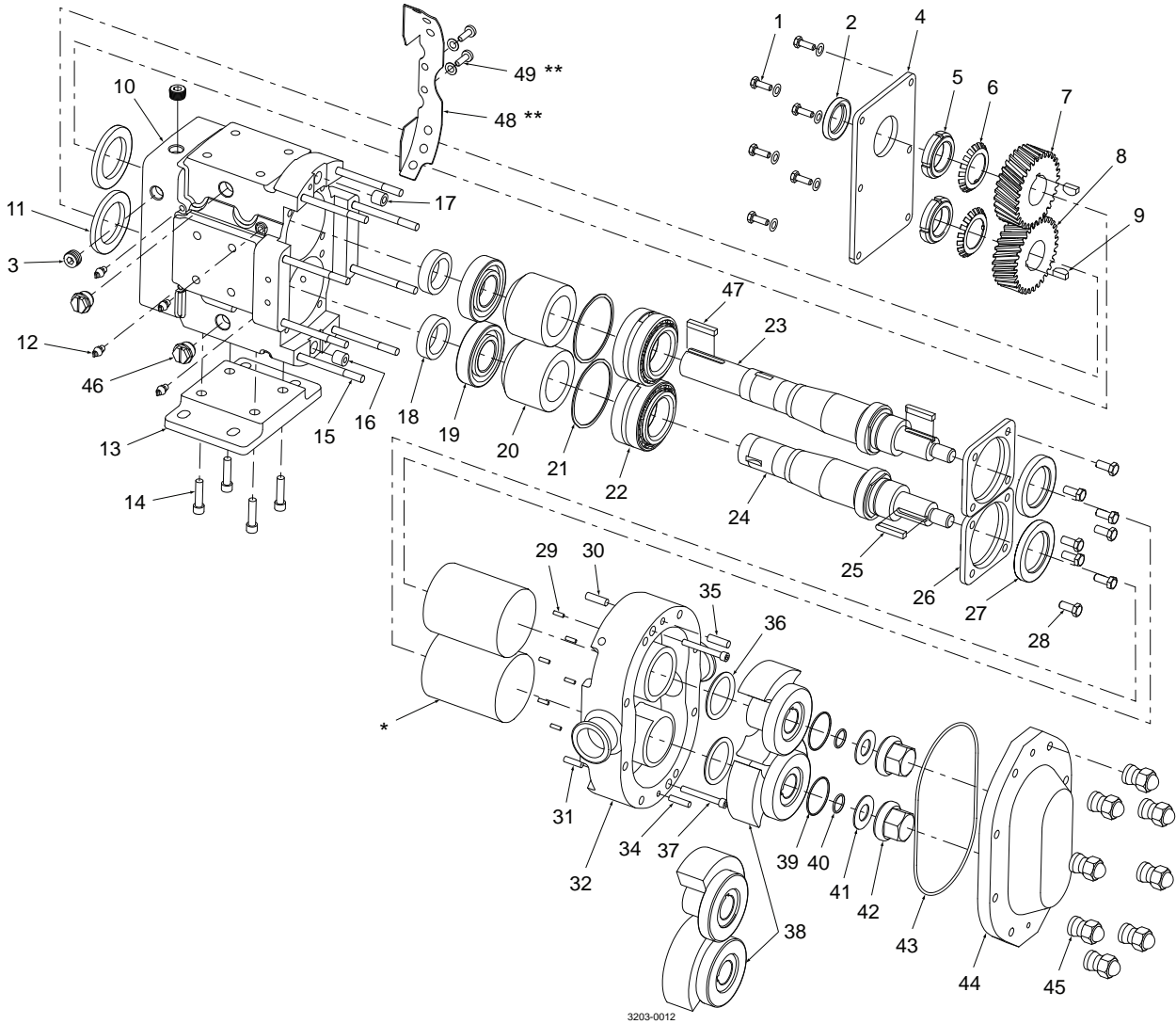
Double Mechanical Seal

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
<b>Single Mechanical Seal:</b>				
101 ✧	1	Inner Seal O-ring, NBR	N70154	9639261501
	1	Inner Seal O-ring, EPDM	E70154	9639261502
	1	Inner Seal O-ring, FPM	V70154	9639261503
102 ✧	1	Seal Seat O-ring, NBR	N70149	9639262501
	1	Seal Seat O-ring, EPDM	E70149	9639262502
	1	Seal Seat O-ring, FPM	V70149	9639262503
103 ✧	1	Seal Seat, Silicon Carbide	105417	9639267503
	1	Seal Seat, Ceramic	105416	9639267502
104 ✧	1	Inner Seal, Silicon Carbide	105414	9639268503
	1	Inner Seal, Ceramic		
105 ✧	1	Inner Seal, Carbon	105412	9639268501
	1	Inner Wave Spring	105419	9639269501
<b>Double Mechanical Seal:</b>				
111 □	1	Inner Seal O-ring, NBR	N70154	9639261501
	1	Inner Seal O-ring, EPDM	E70154	9639261502
	1	Inner Seal O-ring, FPM	V70154	9639261503
112 □	1	Seal Seat O-ring, NBR	N70149	9639262501
	1	Seal Seat O-ring, EPDM	E70149	9639262502
	1	Seal Seat O-ring, FPM	V70149	9639262503
113 □	1	Seal Seat, Silicon Carbide	105417	9639267503
	1	Seal Seat, Ceramic	105416	9639267502
114 □	1	Seal Inner, Silicon Carbide	105414	9639268503
	1	Seal Inner, Ceramic		
	1	Seal Inner, Carbon	105412	9639268501
115 □	1	Inner Wave Spring	105419	9639269501
116 □	1	Outer Seal O-ring, NBR		
	1	Outer Seal O-ring, EPDM	E70160	9639265502
	1	Outer Seal O-ring, FPM	V70160	9639265503
117 □	1	Outer seal, Carbon	105418	9639270501
118 □	1	Outer Wave Spring	105420	9639271501

*Not manufactured anymore*

\* See seal repair parts

\*\*Required for European CE compliance only  
(not mandatory for USA market)

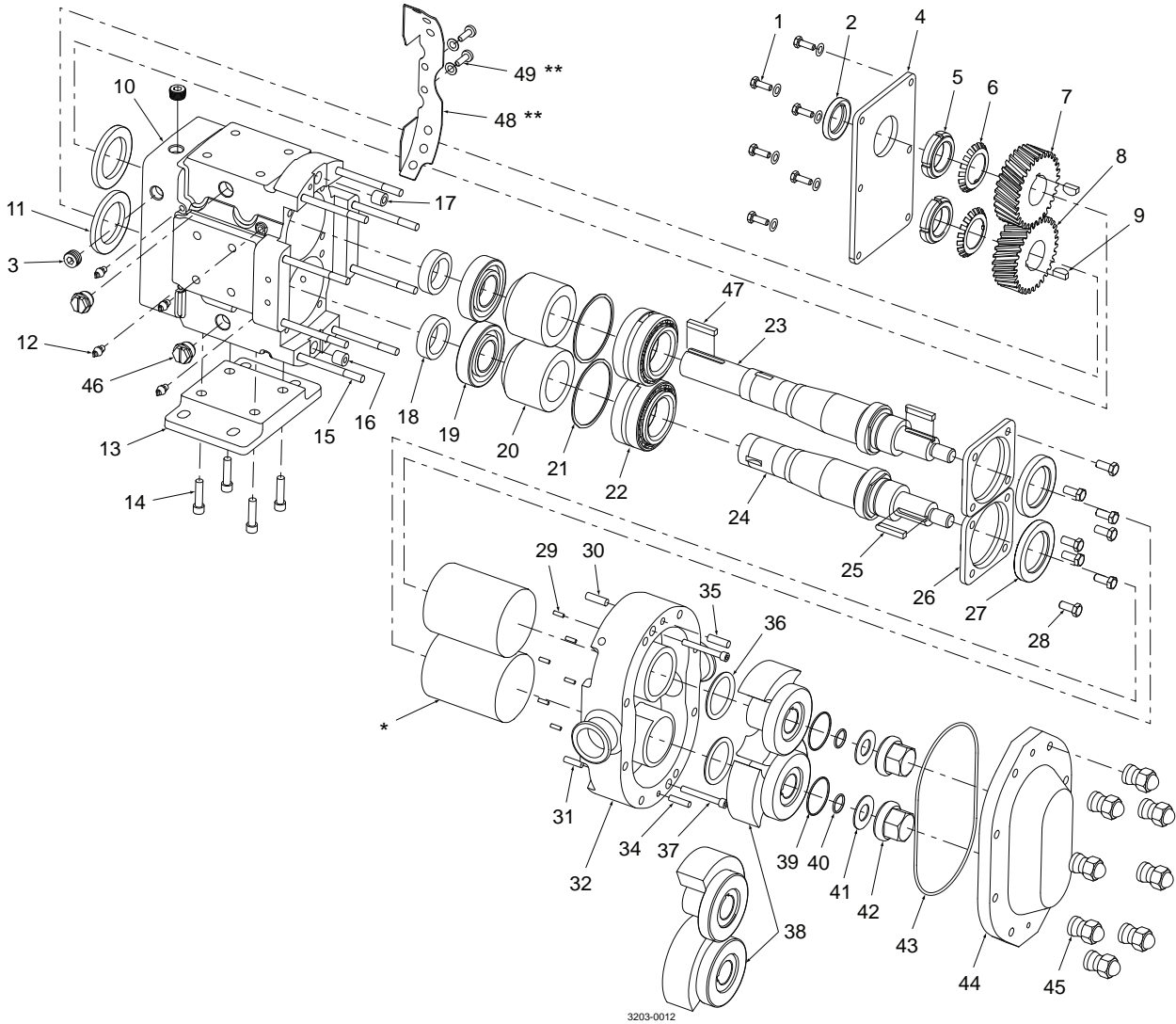


Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	3050	9639001301
1a	6	Washer GC Cover Capscrew, SS		9639001302
2	1	Oil Seal - Gear Case Cover		9639002501
3	4	Oil Level, Drain Plug		9639203601
4	1	Gear Case Cover, Steel (Powder Coated, White)	40669	9639204601
5	2	Lock Nut - Gear	105697	9639005501
6	2	Lock Washer - Gear		9639006501
7	1	Gear Drive Shaft		9639007501
8	1	Gear Short Shaft		9639008501
9	2	Key, Gear	0H1037000	9639009501
10	1	Gear Case, Cast Iron (Powder Coated, White)		9639210601
11	2	Oil Seal Rear	102475	9639011501
12	8	Grease Fitting ¼-28, SS		9639012102
13	1	Gear Case Base, Cast Iron, (Powder Coated, White)	40288	9639213601
14	4	Socket Head Capscrew, GC Base		9639214601
15a	4	Stud, Cover, Long 320	111291	9639015501
15b	4	Stud, Cover, Short 320		
16&17	2	Dowel Bushing, Gearcase		
18	2	Spacer Gear to Rear Bearing	102474	9639018501
19	2	Rear Bearing	0H1036000	9639019501
20	2	Spacer Bearing	102472&102473	9639020501
21	2	Shim Kit	117893	9639021501
22	2	Front Bearing	0H1036003	9639022501
23	1	Drive Shaft (17-4PH)	108417	9639223601
24	1	Auxillary Shaft (17-4PH)	108418	9639224601
25	2	Rotor key - 3200	105421	9639225601
26	2	Bearing Retainer Front	123533	9639026501
27	2	Grease Seal Front Brg Ret	121681	9639027401
28	8	Button Head Capscrew, Brg Ret, SS		
29	6	Stop Pin Seal	102438	9639229501
30	1	Dowel Pin, Gear Case Side		9639031501
31	1	Dowel Pin, Gear Case Side		9639031501
32	1	Rotorcase 6" Triclamp		9639232601
34	1	Dowel Pin, Cover Side		9639235601
35	1	Dowel Pin, Cover Side		9639235601
36	♦ 2	Rotor hub O-ring, EPDM		9639236502
	♦ 2	Rotor hub O-ring, NBR		9639236501
	♦ 2	Rotor hub O-ring, FPM		9639236503
37	2	Body Retaining Screw		9639037303
38	2	Rotor Twin Blade, Non-Galling Alloy	105427	9639238601
39	♦ 2	Rotor nut O-ring, EPDM		9639239502
	♦ 2	Rotor nut O-ring, NBR		9639239501
	♦ 2	Rotor nut O-ring, FPM		9639239503
40	♦ 2	Retainer O-ring, EPDM		9639240502
	♦ 2	Retainer O-ring, NBR		9639240501
	♦ 2	Retainer O-ring, FPM		9639240503

*Not manufactured anymore*

\* See seal repair parts

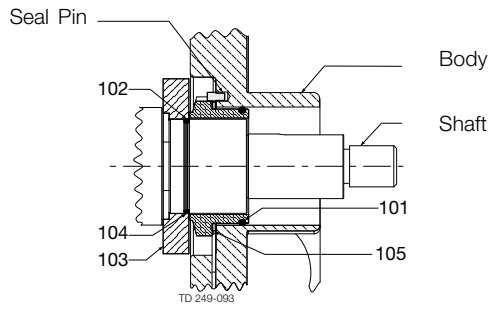
\*\*Required for European CE compliance only  
(not mandatory for USA market)



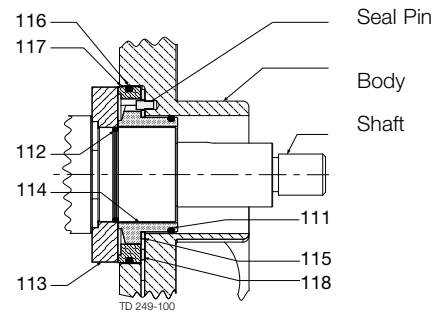


Pos	Qty	Denomination	Reference Part		
			No.	Item Number	
41	2	Washer, Belleville	105411	9639241601	
42	2	Rotor Nut	105409	9639242601	
43	1	Cover O-ring - NBR	N70383	9639243601	
	1	Cover O-ring - EPDM	E70383	9639243602	
	1	Cover O-ring - FPM	V70383	9639243603	
44	1	Pump Cover	105406	9639244601	
45	8	Hex Nut	108373	9639045502	
46	4	Large Cleanout Plug		9639046301	
47	1	Drive Shaft Key 5/8 X 5/8 X 2 3/4	000037005	9639047501	
48	2	Seal Guards, SS		9639248601	
49	4	Fastner, Seal Guard		9639049101	
49a	4	Washer, Seal Guard		9639049102	
49b	4	M3.5 captive washer-SS		9639249601	
			EPDM	NBR	FPM
<b>Service kit for SCPP2/320</b>					
◇		Service kit - Single Mechanical Seal SC/C	9639203071	9639203076	
◇		Service kit - Single Mechanical Seal SC/SC	9639203072	9639203077	
◇		Service kit - Single Mechanical Seal CER/C	9639203073	9639203078	
□		Service kit - Double Mechanical Seal SC/SC/C	9639203074	9639203079	
<b>O-Ring kit for SCPP2/320</b>					
◆		O-Ring kit	9639201017	9639201016	9639201018

*Not manufactured anymore*



Single Mechanical Seal



Double Mechanical Seal

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
<b>Single Mechanical Seal:</b>				
101	◇	1 Inner Seal O-Ring - NBR	N70154	9639261501
		1 Inner Seal O-Ring - EPDM	E70154	9639261502
		1 Inner Seal O-Ring - FPM	V70154	9639261503
102	◇	1 Seal Seat O-Ring - NBR	N70149	9639262501
		1 Seal Seat O-Ring - EPDM	E70149	9639262502
		1 Seal Seat O-Ring - FPM	V70149	9639262503
103	◇	1 Seal Seat, Silicon Carbide	105417	9639267503
		1 Seal Seat, Ceramic	105416	9639267502
104	◇	1 Inner Seal, Silicon Carbide	105414	9639268503
		1 Inner Seal, Ceramic		
		1 Inner Seal, Carbon	105412	9639268501
105	◇	1 Inner Wave Spring	105419	9639269501
<b>Double Mechanical Seal:</b>				
111	□	1 Inner Seal O-Ring - NBR	N70154	9639261501
		1 Inner Seal O-Ring - EPDM	E70154	9639261502
		1 Inner Seal O-Ring - FPM	V70154	9639261503
112	□	1 Seal Seat O-Ring - NBR	N70149	9639262501
		1 Seal Seat O-Ring - EPDM	E70149	9639262502
		1 Seal Seat O-Ring - FPM	V70149	9639262503
113	□	1 Seal Seat, Silicon Carbide	105417	9639267503
		1 Seal Seat, Ceramic	105416	9639267502
114	□	1 Seal Inner, Silicon Carbide	105414	9639268503
		1 Seal Inner, Ceramic		
		1 Seal Inner, Carbon	105412	9639268501
115	□	1 Inner Wave Spring	105419	9639269501
116	□	1 Outer Seal O-Ring - NBR		
		1 Outer Seal O-Ring - EPDM	E70160	9639265502
		1 Outer Seal O-Ring - FPM	V70160	9639265503
117	□	1 Outer seal, Carbon	105418	9639270501
118	□	1 Outer Wave Spring	105420	9639271501
			<b>EPDM</b>	<b>FPM</b>

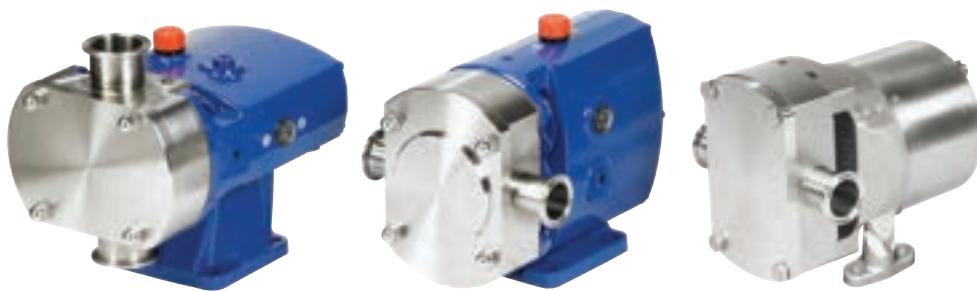
**Service kit sealing for SCPP2/320**

□	Seal kit, Double Mechanical Seal/SC, SC/C	9639202006	9639202012
◇	Seal kit, Single Mechanical Seal/SC, C	9639202036	9639202042
◇	Seal kit, Single Mechanical Seal/SC, SC	9639202061	9639202062
◇	Seal kit, Single Mechanical Seal/CER, C	9639202063	9639202064



# 1.4 Rotary Lobe Pumps

The rotary lobe pumps from Alfa Laval are able to handle low, medium and high viscosity media. These pumps are used where gentle, sanitary processing is a requirement.



## Spare parts

Optilobe 12 / 13 Pump	1.4.672
Optilobe 22 / 23 Pump	1.4.674
Optilobe 32 / 33 Pump	1.4.676
Optilobe 42 / 43 Pump	1.4.678
Optilobe 52 / 53 Pump	1.4.680
Pump Exploded View Drawing	1.4.682
Service Kits - Optilobe 12 / 13 Pump	1.4.684
Service Kits - Optilobe 22 / 23 Pump	1.4.686
Service Kits - Optilobe 32 / 33 Pump	1.4.688
Service Kits - Optilobe 42 / 43 Pump	1.4.690
Service Kits - Optilobe 52 / 53 Pump	1.4.692
EasyFit Single Mechanical Seal	1.4.694
EasyFit Single Flushed Mechanical Seal	1.4.696
SRU1 pump	1.4.698
SRU2 pump	1.4.702
SRU3 pump	1.4.706
SRU4 pump	1.4.710
SRU5 pump range	1.4.714
SRU5 vertically ported pump	1.4.718
SRU6 pump range	1.4.722
SRU6 vertically ported pump	1.4.726
Rotorcases - R90 and packed gland - SRU1 and SRU2 pump models	1.4.730
Rotorcases - R90 and packed gland - SRU3 and SRU4 pump models	1.4.732
Rotorcases - R90 and packed gland - SRU5 and SRU6 pump models	1.4.736
Rotorcases - hyclean seal - SRU1 to SRU6 pump models	1.4.738
Rotorcases - body part numbers	1.4.742
Rotorcases - port part numbers	1.4.744
Rectangular to round adaptors	1.4.748
Cover/spline sealing kits - SRU pump models	1.4.750

# 1.4 Rotary Lobe Pumps

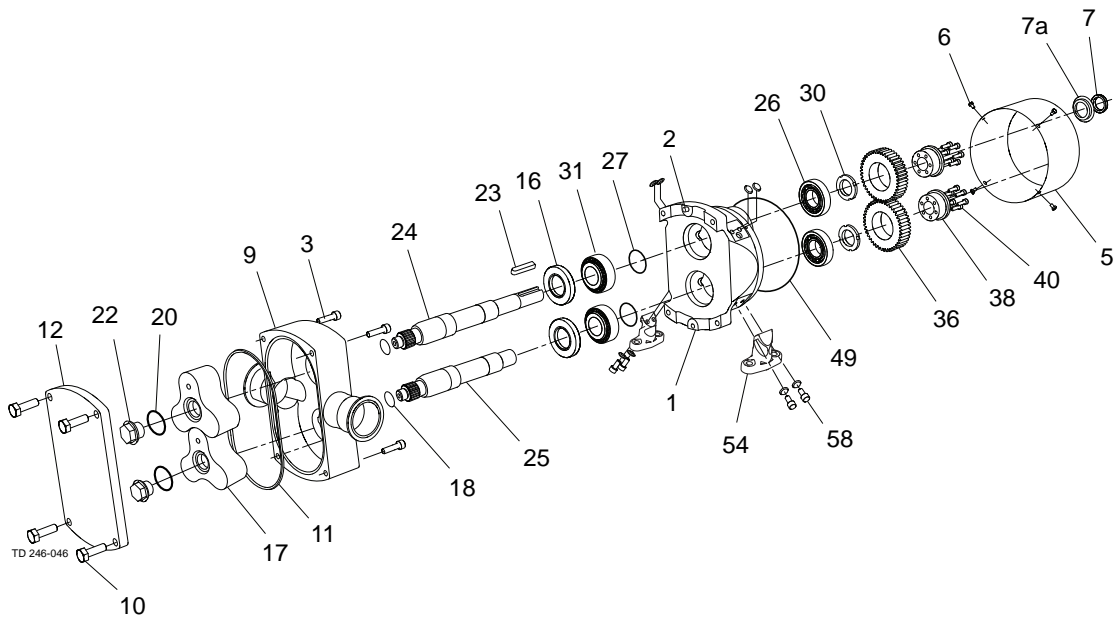
The rotary lobe pumps from Alfa Laval are able to handle low, medium and high viscosity media. These pumps are used where gentle, sanitary processing is a requirement.

R90 single mechanical seals (complete) - SRU1 and SRU2 pump models	1.4.752
R90 single mechanical seals (complete) - SRU3 and SRU4 pump models	1.4.754
R90 single mechanical seals (complete) - SRU5 and SRU6 pump models	1.4.756
R90 single mechanical seals (parts) - SRU1 to SRU6 pump models	1.4.758
R90 double mechanical seals (complete) - SRU1 pump models	1.4.760
R90 double mechanical seals (complete) - SRU2 pump models	1.4.762
R90 double mechanical seals (complete) - SRU3 pump models	1.4.764
R90 double mechanical seals (complete) - SRU4 pump models	1.4.766
R90 double mechanical seals (complete) - SRU5 pump models	1.4.768
R90 double mechanical seals (complete) - SRU6 pump models	1.4.770
R90 double mechanical seals (complete - part numbering)	1.4.772
R90 double mechanical seals (parts) - SRU1 to SRU6 pump models	1.4.774
Hyclean single mechanical seals (complete) - SRU1 to SRU6 pump models	1.4.778
Hyclean single mechanical seals (parts) - SRU pump models	1.4.782
Packed gland seals - pump models SRU1 to SRU6	1.4.784
Triple lip seals (parts) - SRU models	1.4.786
Pressure relief valve (complete) - SRU pump models	1.4.788
Pressure relief valve (parts) - SRU1 to SRU6 pump models	1.4.792
Rotorcase cover jackets and saddles - SRU pump models	1.4.796
SRU - EPDM USP class VI O-rings & seals	1.4.798
Electropolishing (rotorcase covers and rotors)	1.4.800
Electropolishing (rotors cont'd and rotor nuts)	1.4.802
Electropolishing (rotorcase)	1.4.804
SRU - ATEX parts	1.4.806
Miscellaneous items for SRU	1.4.808
Service kits for SRU	1.4.810
SX1	1.4.842
SX2	1.4.844
SX3	1.4.846
SX4	1.4.848
SX5	1.4.850
SX6	1.4.852
SX7	1.4.854
SX1-7, cover/rotor seal kits	1.4.856
Service Kits (R00 single mechanical seals) - SX pump range	1.4.858
R00 single mechanical seals (complete) - SX pump range	1.4.860
R00 single Flushed mechanical seals (complete) - SX pump range	1.4.864
R00 double mechanical seals (complete) - SX1 and SX2 pump models	1.4.868
R00 double mechanical seals (complete) - SX3 and SX4 pump models	1.4.870

# 1.4 Rotary Lobe Pumps

The rotary lobe pumps from Alfa Laval are able to handle low, medium and high viscosity media. These pumps are used where gentle, sanitary processing is a requirement.

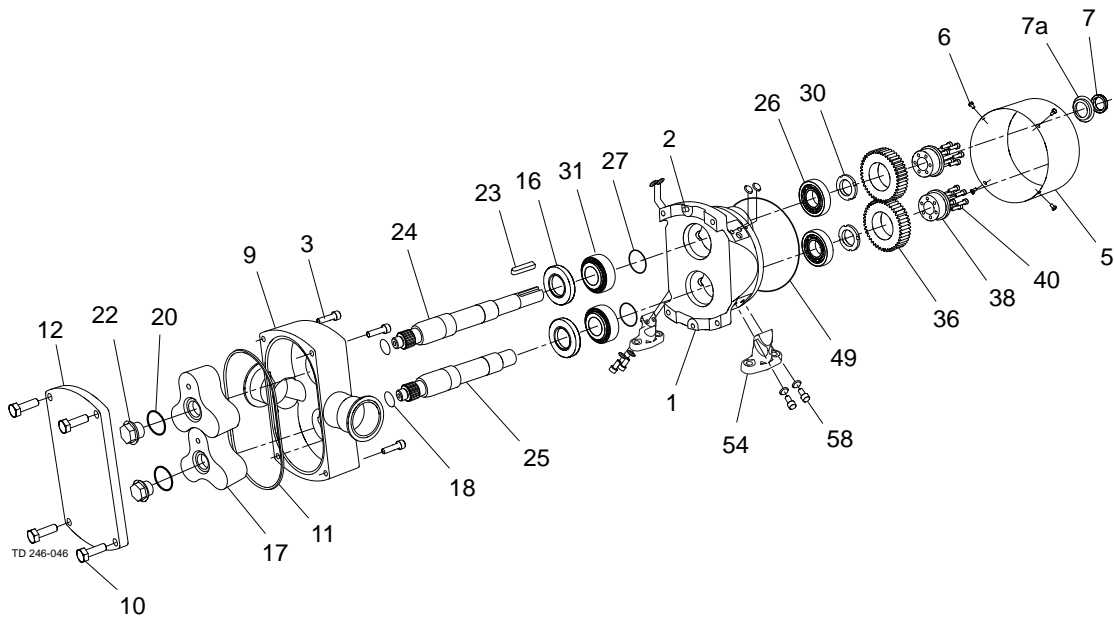
R00 double mechanical seals (complete) - SX5 -7 pump models	1.4.872
R00 mechanical seals (parts) - SX1 and SX2 pump models	1.4.876
R00 mechanical seals (parts) - SX3 and SX4 pump models	1.4.877
R00 mechanical seals (parts) - SX5 and SX6 pump models	1.4.878
R00 mechanical seals (parts) - SX7 pump models	1.4.879
SX ATEX parts	1.4.880
SX UltraPure 1	1.4.882
SX UltraPure 2	1.4.884
SX UltraPure 3	1.4.886
SX UltraPure 4	1.4.888
SX UltraPure 5	1.4.890
SX UltraPure 6	1.4.892
SX UltraPure 7	1.4.894
SX UltraPure 1-7, Cover/Rotor Seal Kits	1.4.896
Service Kits (R00 Single Mechanical Seals) - SX UltraPure Pump Range	1.4.897
Service Kits (R00 Single Flushed mechanical Seals) - SX UltraPure Pump Range	1.4.898
Service Kits (R00 Double mechanical Seals) SX UP1-2 Pump Models	1.4.899
Service Kits (R00 Double Mechanical Seals) SX UP3-4 Pump Models	1.4.900
Service Kits (R00 Double Mechanical Seals) SX UP5-6 Pump Models	1.4.901
Service Kits (R00 Double Mechanical Seals) SX UP7 Pump Models	1.4.902
SX UltraPure R00 Single Mechanical Seals (Complete)	1.4.904
SX UltraPure R00 Single Flushed Mechanical Seals (Complete)	1.4.906
R00 Double Mechanical Seals (Complete) - SX UltraPure 1-3 Pump Range	1.4.908
R00 Double Mechanical Seals (Complete) - SX UltraPure 4-6 Pump Range	1.4.910
R00 Double Mechanical Seals (Complete) - SX UltraPure 7 Pump Range	1.4.912
R00 Mechanical Seals (Parts) - SX UP1 and UP2 Pump Range	1.4.914
R00 Mechanical Seals (Parts) - SX UP3 and SX UP4 Pump Models	1.4.915
R00 Mechanical Seals (Parts) - SX UP5 and SX UP6 Pump Models	1.4.916
R00 Mechanical Seals (Parts) - SX UP7 Pump Models	1.4.917
SX UltraPure ATEX Parts	1.4.918
<b>Spare parts for obsolete products</b>	
PRE/PRED series models 3, 10, 25, 60, 125, 300	1.4.920
PR series models 3, 10, 25, 60, 125, 300	1.4.924
PR series pump rotors for models 3, 10, 25, 60, 125, 300	1.4.926





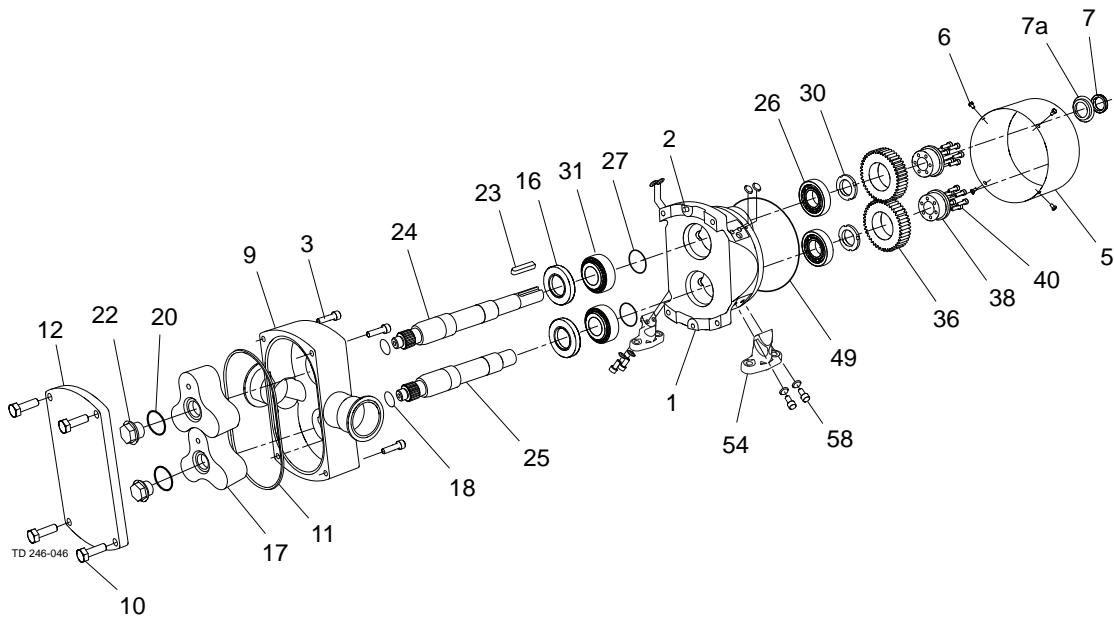
Pos	Qty	Denomination	Article No. OptiLobe 12	Article No. OptiLobe 13
1	1	Bearing housing	9630636001	9630636001
2	2	Dowel	9630030093	9630030093
3	4	Screw, rotorcase retention	9630024635	9630024635
5	1	Canister	9630637001	9630637001
6	4	Screw, canister screw	9630863216	9630863216
	4	Washer, canister screw	9630038040	9630038040
7	1	Lip seal, drive end	9630030621	9630030621
7a	1	Carrier, lip seal	9630633001	9630633001
9	1	Rotorcase, IDF	9630623001	9630623101
	1	Rotorcase, Tri-Clamp	9630623002	9630623102
	1	Rotorcase, SMS	9630623003	9630623103
	1	Rotorcase, DIN 11851	9630623004	9630623104
	1	Rotorcase, RJT	9630623005	9630623105
10	1	Screw, rotorcase cover	9630652769	9630652769
11	▲●	1 O-ring, cover EPDM	9630037180	9630037180
	▲●	1 O-ring, cover FPM	9630037183	9630037183
12	1	Cover, rotorcase	9630639501	9630639501
	1	Cover, Rotorcase Without Heating Pipes	9630639502	9630639502
16	1	Lip seal, gland end, NBR	9630644501	9630644501
17	2	Rotor, Trilobe Stainless Steel 8 bar, 130°C	9630630001	9630630101
18	▲●	2 O-ring, rotor sealing shaft end, EPDM	9630671081	9630671081
	▲●	2 O-ring, rotor sealing shaft end, FPM	9630043563	9630043563
20	▲●	2 O-ring, rotor sealing nut end, EPDM	9630019402	9630019402
	▲●	2 O-ring, rotor sealing nut end, FPM	9630023410	9630023410
22	2	Nut, rotor retention	9630641001	9630641101
23	1	Key	9630031498	9630031498
24	1	Shaft, drive	9630638501	9630638501
25	1	Shaft, auxiliary	9630639001	9630639001
26	2	Bearing, rear	9630098863	9630098863
27	2	Shim, shaft abutment, 0.050	9630642515	9630642505
	2	Shim, shaft abutment, 0.075	9630642517	9630642517
	2	Shim, shaft abutment, 0.100	9630642520	9630642520
30	2	Nut, bearing	9630029135	9630029135
31	2	Bearing, front	9630098862	9630098862
36	2	Timing gear	9630640001	9630640001
38	2	Torque locking assembly	9630640501	9630640501
45	2	Drain plug	9630023544	9630023544
	4	Washer	9630864986	9630864986
49	1	O-ring, canister NBR	9630032237	9630032237
50	2	Gland guard	9630642001	9630642001
51	4	Screw, gland guard	9630863216	9630863216
53	4	Washer, gland guard	9630864986	9630864986
54	2	Foot	9630638001	9630638001
58	4	Screw, Foot	9630024603	9630024603
	6	Plugs	9630652310	9630652310
	8	Plugs	9630652311	9630652311
102	□●	2 Rotary Seal O-ring, EPDM	9630023528	9630023528
	□●	2 Rotary Seal O-ring, FPM	9630023413	9630023413
103	□●	2 L' Cup Seal, EPDM	9630671103	9630671103
	□●	2 L' Cup Seal, FPM	9630671104	9630671104
105	□●	2 Rotary Seal Ring, Carbon	9630671099	9630671099
	□●	2 Rotary Seal Ring, Silicon Carbide	9630671100	9630671100
107	□●	2 Stationary Seal Ring, Stainless Steel	9630671101	9630671101
	□●	2 Stationary Seal Ring, Silicon Carbide	9630671102	9630671102
12	1	Heating Pipe	9630647001	9630647001
	1	Elbow	9630674621	9630674621
	1	Heating Pipe Assembly	9630648001	9630648001
	1	Cover, Rotorcase With Heating Pipes	9630647501	9630647501

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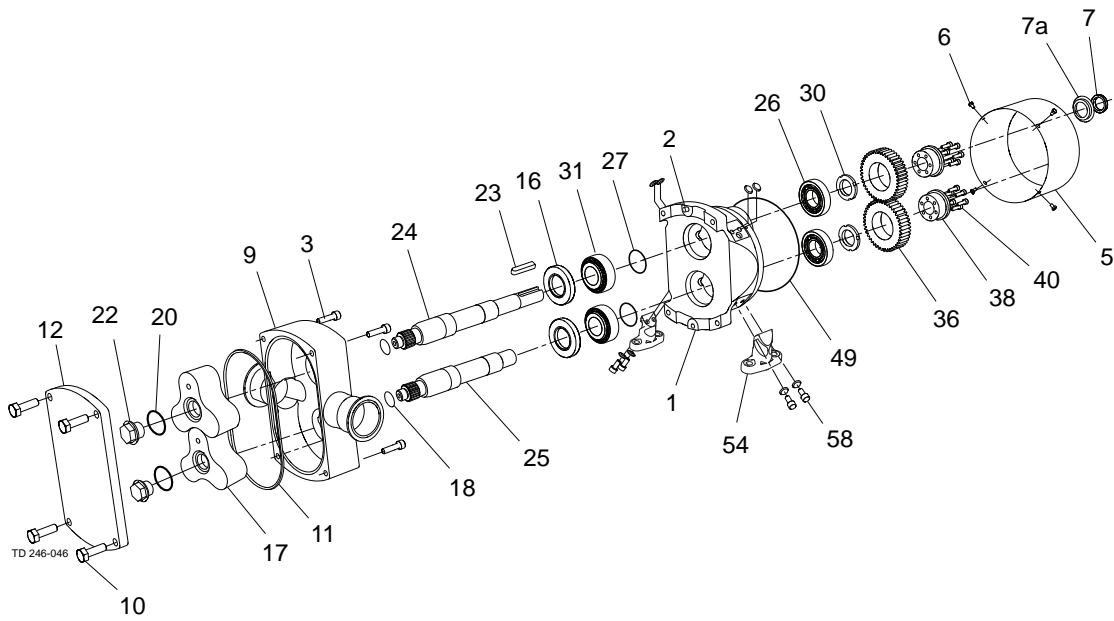
Pos	Qty	Denomination	Article No. OptiLobe 22	Article No. OptiLobe 23
1	1	Bearing housing	9630636101	9630636101
2	2	Dowel	9630030093	9630030093
3	4	Screw, rotorcase retention	9630037029	9630037029
5	1	Canister	9630637101	9630637101
6	4	Washer, canister screw	9630863216	9630863216
	4	Washer, canister screw	9630038040	9630038040
7	1	Lip seal,, drive end	9630644507	9630644507
7A	1	Carrier, lip seal	9630633201	9630633201
9	1	Rotorcase, IDF	9630623201	9630623301
	1	Rotorcase, Tri-Clamp	9630623202	9630623302
	1	Rotorcase, SMS	9630623203	9630623303
	1	Rotorcase, DIN 11851	9630623204	9630623304
	1	Rotorcase, RJT	9630623205	9630623305
10	4	Screw, rotorcase cover	9630024554	9630024554
11	▲●	O-ring, cover EPDM	9630044928	9630044928
	▲●	O-ring, cover FPM	9630044927	9630044927
12	1	Cover, rotorcase	9630639601	9630639601
	1	Cover, Rotorcase with Heating	9630639602	9630639602
16	2	Lip seal, gland end, NBR	9630644502	9630644502
17	2	Rotor, Trilobe Stainless Steel 8 bar, 130°C	9630630201	9630630301
18	▲●	O-ring, rotor sealing shaft end, EPDM	9630863409	9630863409
	▲●	O-ring, rotor sealing shaft end, FPM	9630023407	9630023407
20	▲●	O-ring, rotor sealing nut end, EPDM	9630019387	9630019387
	▲●	O-ring, rotor sealing nut end, FPM	9630019388	9630019388
22	2	Nut, rotor retention	9630641401	9630641501
23	1	Key	9630023916	9630023916
24	1	Shaft, drive	9630638601	9630638601
25	1	Shaft, auxiliary	9630639101	9630639101
26	2	Bearing, rear	9630861678	9630861678
27	2	Shim, shaft abutment, 0.050	9630642525	9630642525
	2	Shim, shaft abutment, 0.075	9630642527	9630642527
	2	Shim, shaft abutment, 0.100	9630642530	9630642530
30	2	Nut, bearing	9630056683	9630056683
31	2	Bearing, front	9630861679	9630861679
36	2	Timing gear	9630640101	9630640101
38	2	Torque locking assembly	9630640601	9630640601
45	2	Drain plug	9630023544	9630023544
	4	Washer	9630864986	9630864986
49	1	O-ring, canister NBR	9630039204	9630039204
50	2	Gland guard	9630642101	9630642102
51	4	Screw, gland guard	9630865138	9630865138
53	4	Washer, gland guard	9630864986	9630864986
54	2	Foot	9630638101	9630638101
58	4	Screw, Foot	9630028936	9630028936
	2	Blanking plug	9630652310	9630652310
	12	Blanking plug	9630652311	9630652311
102	□●	Rotary Seal O-ring, EPDM	9630863266	9630863266
	□●	Rotary Seal O-ring, FPM	9630863265	9630863265
103	□●	L' Cup Seal, EPDM	9630863279	9630863279
	□●	L' Cup Seal, FPM	9630863278	9630863278
105	□●	Rotary Seal Ring, Carbon	9630863289	9630863289
	□●	Rotary Seal Ring, Silicon Carbide	9630863294	9630863294
107	□●	Stationary Seal Ring, Stainless Steel	9630863295	9630863295
	□●	Stationary Seal Ring, Silicon Carbide	9630863298	9630863298
12	1	Heating Pipe	9630647101	9630647101
	1	Elbow	9630674621	9630674621
	1	Heating Pipe Assembly	9630648101	9630648101
	1	Cover, Rotorcase With Heating Pipes	9630647601	9630647601

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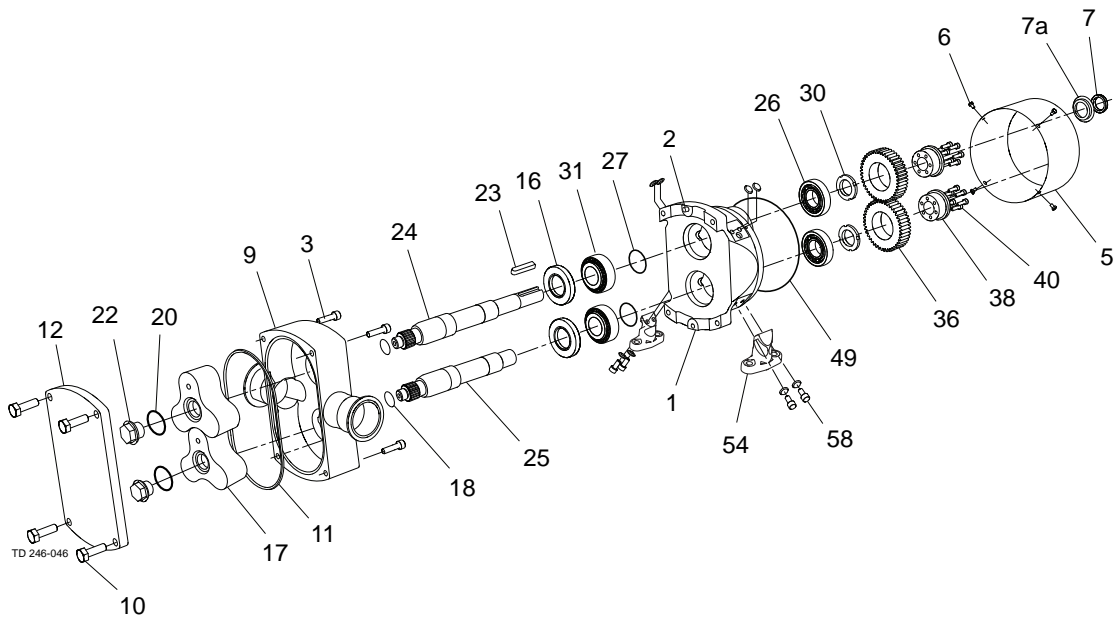
Pos	Qty	Denomination	Article No. OptiLobe 32	Article No. OptiLobe 33
1	1	Bearing housing	9630636201	9630636201
2	2	Dowel	9630030093	9630030093
3	4	Screw, rotorcase retention	9630037029	9630037029
5	1	Canister	9630637201	9630637201
6	4	Screw, canister retention	9630863216	9630863216
	4	Washer, canister screw	9630038040	9630038040
7	1	Lip seal, drive end	9630030622	9630030622
7A	1	Carrier, lip seal	9630633201	9630633201
9	1	Rotorcase, IDF	9630623401	9630623501
	1	Rotorcase, Tri-Clamp	9630623402	9630623502
	1	Rotorcase, SMS	9630623403	9630623503
	1	Rotorcase, DIN 11851	9630623404	9630623504
	1	Rotorcase, RJT	9630623405	9630623505
10	4	Screw, rotorcase cover	9630024554	9630024554
11	▲●	1 O-ring - cover, EPDM	9630065133	9630065133
	▲●	1 O-ring - cover, FPM	9630865829	9630865829
12	1	Cover, rotorcase	9630639701	9630639701
	1	Cover, Rotorcase with Heating	9630639702	9630639702
16	2	Lip seal, gland end, NBR	9630644503	9630644503
17	2	Rotor, Trilobe Stainless Steel, 8 bar, 130°C	9630630401	9630630501
18	▲●	2 O-ring, rotor sealing shaft end, EPDM	9630861549	9630861549
	▲●	2 O-ring, rotor sealing shaft end, FPM	9630023407	9630023407
20	▲●	2 O-ring, rotor sealing nut end, EPDM	9630019387	9630019387
	▲●	2 O-ring, rotor sealing nut end, FPM	9630019388	9630019388
22	2	Nut, rotor retention, 32	9630641401	9630641501
23	1	Key	9630031499	9630031499
24	1	Shaft, drive	9630638701	9630638701
25	1	Shaft, auxiliary	9630639201	9630639201
26	2	Bearing, rear	9630862428	9630862428
27	2	Shim, shaft abutment, 0.050	9630642535	9630642535
	2	Shim, shaft abutment, 0.075	9630642537	9630642537
	2	Shim, shaft abutment, 0.100	9630642540	9630642540
30	2	Nut, bearing	9630029136	9630029136
31	2	Bearing, front	9630862429	9630862429
36	2	Timing gear	9630640201	9630640201
38	2	Torque locking assembly	9630640701	9630640701
45	2	Drain plug	9630023544	9630023544
	2	Washer	9630864986	9630864986
49	1	O-ring, canister NBR	9630880191	9630880191
50	2	Gland guard	9630642201	9630642202
51	4	Screw, gland guard	9630865138	9630865138
53	4	Washer, gland guard	9630864986	9630864986
54	2	Foot	9630638201	9630638201
58	4	Screw, Foot	9630028936	9630028936
	2	Plug	9630652310	9630652310
	12	Plug	9630652311	9630652311
102	□●	2 Rotary Seal O-ring, EPDM	9630863270	9630863270
	□●	2 Rotary Seal O-ring, FPM	9630863269	9630863269
103	□●	2 L' Cup Seal, EPDM	9630863283	9630863283
	□●	2 L' Cup Seal, FPM	9630863282	9630863282
105	□●	2 Rotary Seal Ring, Carbon	9630863290	9630863290
	□●	2 Rotary Seal Ring, Silicon Carbide	9630863293	9630863293
107	□●	2 Stationary Seal Ring, Stainless Steel	9630863296	9630863296
	□●	2 Stationary Seal Ring, Silicon Carbide	9630863299	9630863299
12	1	Heating Pipe	9630647201	9630647201
	1	Elbow	9630674621	9630674621
	1	Heating Pipe Assembly	9630648201	9630648201
	1	Cover, Rotorcase With Heating Pipes	9630647701	9630647701

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Pos	Qty	Denomination	Article No. OptiLobe 42	Article No. OptiLobe 43
1	1	Bearing housing	9630636301	9630636301
2	2	Dowel	9630030093	9630030093
3	4	Screw, rotorcase retention	9630027137	9630027137
5	1	Canister	9630637301	9630637301
6	4	Screw, canister retention	9630863216	9630863216
	4	Washer, canister screw	9630038040	9630038040
7	1	Lip seal, drive end	9630644509	9630644509
7A	1	Carrier, lip seal	9630633301	9630633301
9	1	Rotorcase, IDF	9630623601	9630623701
	1	Rotorcase, Tri-Clamp	9630623602	9630623702
	1	Rotorcase, SMS	9630623603	9630623703
	1	Rotorcase, DIN 11851	9630623604	9630623704
	1	Rotorcase, RJT	9630623605	9630623705
10	4	Screw, rotorcase cover	9630024554	9630024554
11	▲●	1 O-ring - cover, EPDM	9630019861	9630019861
	▲●	1 O-ring - cover, FPM	9630026117	9630026117
12	1	Cover, rotorcase	9630639801	9630639801
	1	Cover, Rotorcase with Heating	9630639802	9630639802
16	2	Lip seal, gland end, NBR	9630644504	9630644504
17	2	Rotor, Trilobe Stainless Steel, 8 bar, 130°C	9630630601	9630630701
18	▲●	2 O-ring, rotor sealing shaft end, EPDM	9630037138	9630037138
	▲●	2 O-ring, rotor sealing shaft end, FPM	9630037140	9630037140
20	▲●	2 O-ring, rotor sealing nut end, EPDM	9630028321	9630028321
	▲●	2 O-ring, rotor sealing nut end, FPM	9630028357	9630028357
22	2	Nut, rotor retention	9630641601	
23	1	Key	9630031499	9630031499
24	1	Shaft, drive	9630638801	9630638801
25	1	Shaft, auxiliary	9630639301	9630639301
26	2	Bearing, rear	9630862089	9630862089
27	2	Shim, shaft abutment, 0.050	9630642545	9630642545
	2	Shim, shaft abutment, 0.075	9630642547	9630642547
	2	Shim, shaft abutment, 0.100	9630642550	9630642550
30	2	Nut, bearing	9630056684	9630056684
31	2	Bearing, front	9630862088	9630862088
36	2	Timing gear	9630640301	9630640301
38	2	Torque locking assembly	9630640801	9630640801
45	2	Drain plug	9630023544	9630023544
	4	Washer	9630864986	9630864986
49	1	O-ring, canister NBR	9630880214	9630880214
50	2	Gland guard	9630642301	9630642302
51	4	Screw, gland guard	9630865138	9630865138
53	4	Washer, gland guard	9630864986	9630864986
54	2	Foot	9630638301	9630638301
58	4	Screw, Foot	9630024635	9630024635
	4	Plug	9630652310	9630652310
	2	Plug	9630652311	9630652311
	2	Plug	9630652312	9630652312
102	□●	2 Rotary Seal O-ring, EPDM	9630863275	9630863275
	□●	2 Rotary Seal O-ring, FPM	9630863273	9630863273
103	□●	2 L' Cup Seal, EPDM	9630863287	9630863287
	□●	2 L' Cup Seal, FPM	9630863286	9630863286
105	□●	2 Rotary Seal Ring, Carbon	9630863291	9630863291
	□●	2 Rotary Seal Ring, Silicon Carbide	9630863292	9630863292
107	□●	2 Stationary Seal Ring, Stainless Steel	9630863297	9630863297
	□●	2 Stationary Seal Ring, Silicon Carbide	9630863300	9630863300
12	1	Heating Pipe	9630647301	9630647301
	1	Elbow	9630674622	9630674622
	1	Heating Pipe Assembly	9630648301	9630648301
	1	Cover, Rotorcase With Heating Pipes	9630647801	9630647801

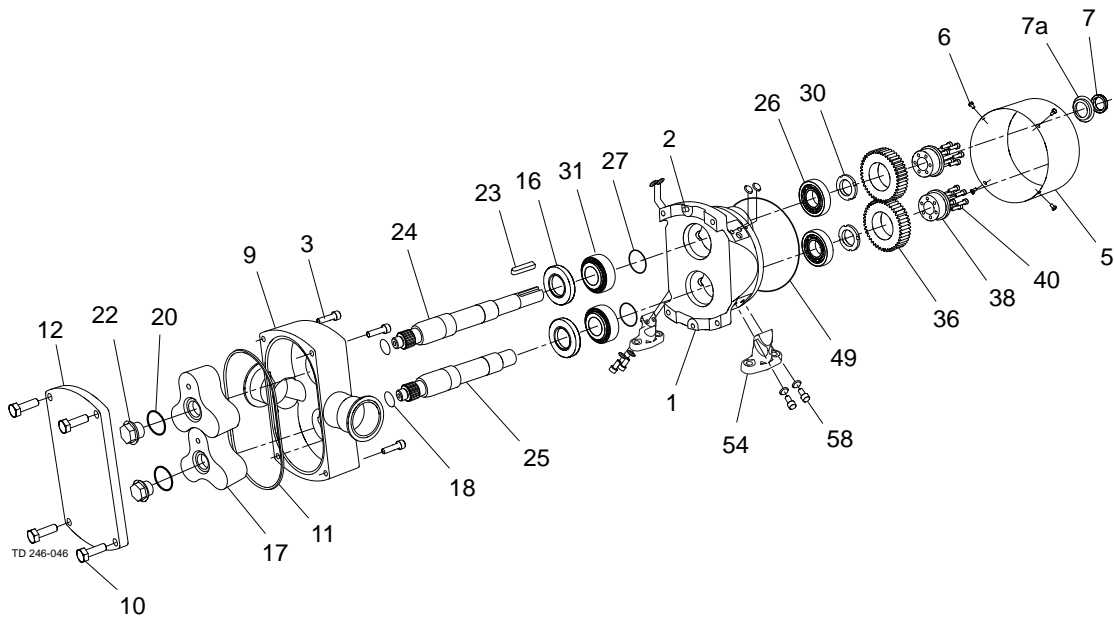
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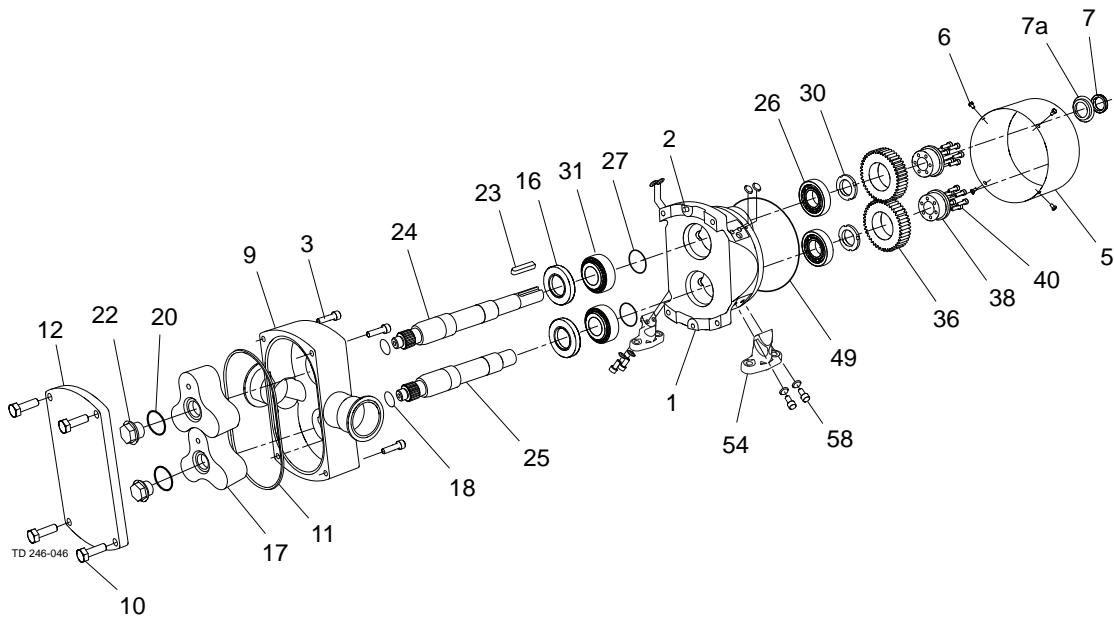
Pos	Qty	Denomination	Article No. OptiLobe 52	Article No. OptiLobe 53
1	1	Bearing housing	9630636401	9630636401
2	2	Dowel	9630030093	9630030093
3	4	Screw, rotorcase retention	9630671882	9630671882
5	1	Canister	9630637401	9630637401
6	4	Screw, canister retention	9630671881	9630671881
	8	Washer, canister screw	9630042149	9630042149
	4	Washer, canister screw	9630038040	9630038040
	4	Washer, canister screw	9630042149	9630042149
	4	Washer, canister screw	9630030121	9630030121
7	1	Lip seal, drive end	9630644510	9630644510
7A	1	Carrier, lip seal	9630633401	9630633401
9	1	Rotorcase, IDF	9630623801	9630623901
	1	Rotorcase, Tri-Clamp	9630623802	9630623902
	1	Rotorcase, SMS	9630623803	9630623903
	1	Rotorcase, DIN 11851	9630623804	9630623904
	1	Rotorcase, RJT	9630623805	9630623905
10	4	Screw, rotorcase cover	9630024567	9630024567
11	▲●	O-ring - cover, EPDM	9630027380	9630027380
	▲●	O-ring - cover, FPM	9630028410	9630028410
12	1	Cover, rotorcase	9630639901	9630639901
	1	Rotorcase, with Heating	9630639902	9630639902
16	2	Lip seal, gland end, NBR	9630644505	9630644505
17	2	Rotor, Trilobe Stainless Steel 8 bar, 130°C	9630630801	9630630901
18	▲●	O-ring, rotor sealing shaft end, EPDM	9630039199	9630039199
	▲●	O-ring, rotor sealing shaft end, FPM	9630039198	9630039198
20	▲●	O-ring, rotor sealing nut end, EPDM	9630671547	9630671547
	▲●	O-ring, rotor sealing nut end, FPM	9630023438	9630023438
22	2	Nut, rotor retention	9630641801	9630641901
23	1	Key	9630023940	9630023940
24	1	Shaft, drive	9630638901	9630638901
25	1	Shaft, auxiliary	9630639401	9630639401
26	2	Bearing, rear	9630671230	9630671230
27	2	Shim, shaft abutment, 0.050	9630642555	9630642555
	2	Shim, shaft abutment, 0.075	9630642557	9630642557
	2	Shim, shaft abutment, 0.100	9630642560	9630642560
30	2	Nut, bearing	9630671231	9630671231
31	2	Bearing, front	9630671229	9630671229
36	2	Timing gear	9630640401	9630640401
38	2	Torque locking assembly	9630640901	9630640901
45	2	Drain plug	9630023544	9630023544
	4	Washer	9630864986	9630864986
49	1	O-ring, canister NBR	9630671817	9630671817
50	2	Gland guard	9630642401	9630642402
51	4	Screw, gland guard	9630865138	9630865138
53	4	Washer, gland guard	9630864986	9630864986
54	2	Foot	9630638401	9630638401
58	4	Screw, Foot	9630671881	9630671881
	6	Plugs	9630652310	9630652310
	12	Plugs	9630678031	9630678031
102	□●	Rotary Seal O-ring, EPDM	9630042801	9630042801
	□●	Rotary Seal O-ring, FPM	9630042800	9630042800
103	□●	L' Cup Seal, EPDM	9630671117	9630671117
	□●	L' Cup Seal, FPM	9630671118	9630671118
105	□●	Rotary Seal Ring, Carbon	9630671113	9630671113
	□●	Rotary Seal Ring, Silicon Carbide	9630671114	9630671114
107	□●	Stationary Seal Ring, Stainless Steel	9630671115	9630671115
	□●	Stationary Seal Ring, Silicon Carbide	9630671116	9630671116
12	1	Heating Pipe	9630647401	9630647401
	1	Elbow	9630674622	9630674622
	1	Heating Pipe Assembly	9630648401	9630648401
	1	Cover, Rotorcase With Heating Pipes	9630647901	9630647901

(900727/1)



Each kit for pump comprises of ;  
 1 off Rotorcase Cover O-Rings (11)  
 2 off Rotor O-Rings, shaft end (18)  
 2 off Rotor O-Rings, nut end (20)

Pos	Qty	Denomination	Article No.
<b>12 / 13</b>			
Δ	1	Cover / Spline Kit EPDM . . . . .	9630672400
Δ	1	Cover / Spline Kit FPM . . . . .	9630672401
<b>22 / 23</b>			
Δ	1	Cover / Spline Kit EPDM . . . . .	9630864748
Δ	1	Cover / Spline Kit FPM . . . . .	9630864749
<b>32 / 33</b>			
Δ	1	Cover / Spline Kit EPDM . . . . .	9630864750
Δ	1	Cover / Spline Kit FPM . . . . .	9630864751
<b>42 / 43</b>			
Δ	1	Cover / Spline Kit EPDM . . . . .	9630864752
Δ	1	Cover / Spline Kit FPM . . . . .	9630864753
<b>52 / 53</b>			
Δ	1	Cover / Spline Kit EPDM . . . . .	9630672402
Δ	1	Cover / Spline Kit FPM . . . . .	9630672403



Pos	Qty Denomination	Article No.
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**Rotary Seal / Stationary Seal Ring**

Each kit for pump comprises of ;

- 1 off Cover / Spline Sealing Kit
  - 2 off wave springs (101)
  - 2 off Rotary Seal O-rings (102)
  - 2 off 'L' Cup Seals (103)
  - 2 off Rotary Seal Drive Rings (104)
  - 2 off Rotary Seal Rings (105)
  - 2 off Stationary Seal Drive Rings (106)
  - 2 off Rotary Seal O-rings (102)
  - 2 off Stationary Seal Rings (107)
- ..... Service kit

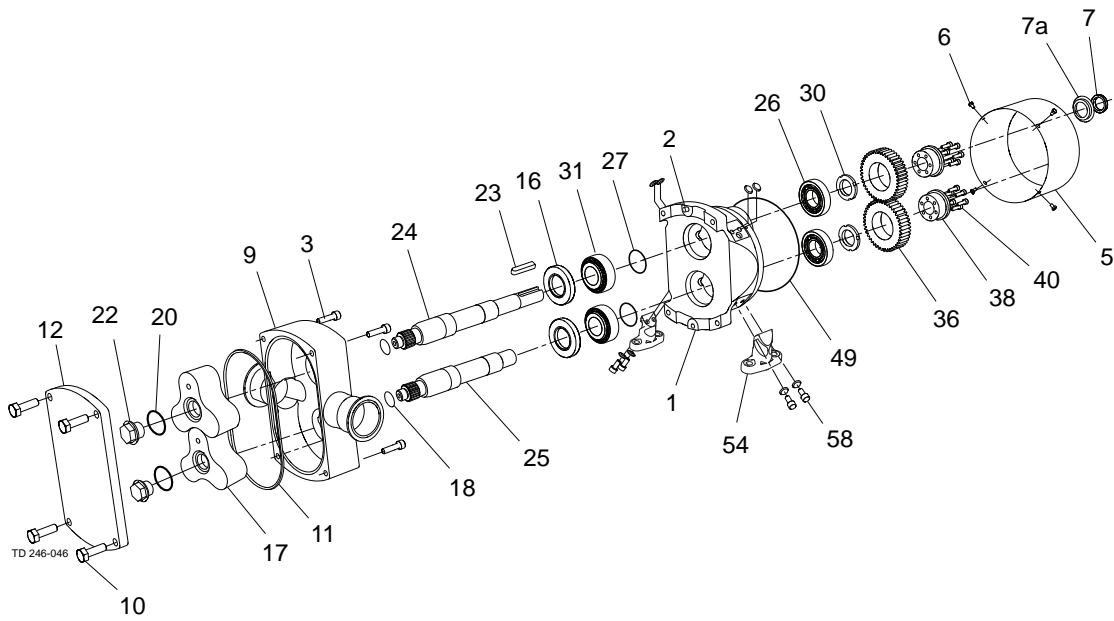
- Carbon / Stainless Steel, EPDM ..... 9630672404
- Carbon / Stainless Steel, FPM ..... 9630672407
- Carbon / Silicon Carbide, EPDM ..... 9630672406
- Carbon / Silicon Carbide, FPM ..... 9630672409
- Silicon Carbide / Silicon Carbide, EPDM ..... 9630672405
- Silicon Carbide / Silicon Carbide, FPM ..... 9630672408
  
- 2 EasyFit Seal Carbon / Stainless Steel EPDM ..... 9630672416
- 2 EasyFit Seal Carbon / Stainless Steel FPM ..... 9630672417
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide EPDM ..... 9630672420
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide FPM ..... 9630672421
- 2 EasyFit Seal Carbon / Silicon Carbide EPDM ..... 9630672418
- 2 EasyFit Seal Carbon / Silicon Carbide FPM ..... 9630672419

**Additional parts to convert pump fitted with Easy Fit signal seals to Easy Fit single flushed seals**

- 1 Flushed Seal Conversion Kit BSPT ..... 9630672673

**Conversion Kits comprising of :-**

- 108 2 HOUSING SEAL, BSPT ..... 9630644001
- 109 4 Stud SS / Screw SS, BSPT ..... 9630682956
- 110 4 WASHER PLAIN SS, BSPT .....
- 111 2 SEAL LIP FPM, BSPT ..... 9630644601
- 112 2 O RING FPM, BSPT ..... 9630070327
- 4 NUT HEX SS, BSPT .....
- 2 FLUSHING TUBE, BSPT ..... 9630045921



Pos	Qty Denomination	Article No.
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**Rotary Seal / Stationary Seal Ring**

Each kit for pump comprises of ;

- 1 off Cover / Spline Sealing Kit
  - 2 off wave springs (101)
  - 2 off Rotary Seal O-rings (102)
  - 2 off 'L' Cup Seals (103)
  - 2 off Rotary Seal Drive Rings (104)
  - 2 off Rotary Seal Rings (105)
  - 2 off Stationary Seal Drive Rings (106)
  - 2 off Rotary Seal O-rings (102)
  - 2 off Stationary Seal Rings (107)
- ..... Service kit

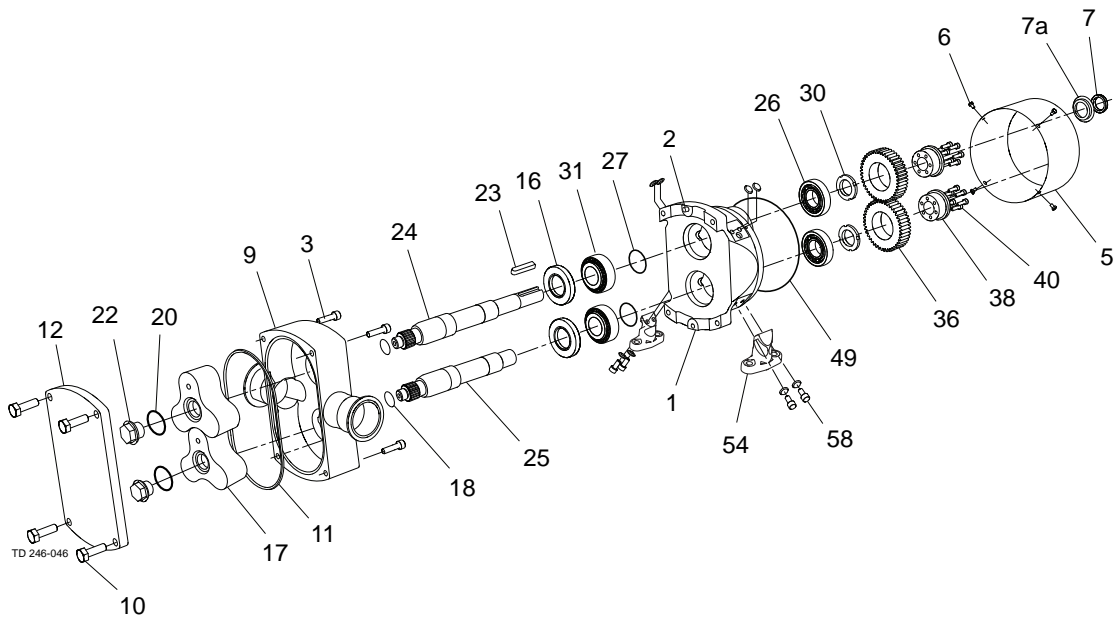
- Carbon / Stainless Steel, EPDM ..... 9630864754
- Carbon / Stainless Steel, FPM ..... 9630864755
- Carbon / Silicon Carbide, EPDM ..... 9630864758
- Carbon / Silicon Carbide, FPM ..... 9630864759
- Silicon Carbide / Silicon Carbide, EPDM ..... 9630864756
- Silicon Carbide / Silicon Carbide, FPM ..... 9630864757
  
- 2 EasyFit Seal Carbon / Stainless Steel EPDM ..... 9630865978
- 2 EasyFit Seal Carbon / Stainless Steel FPM ..... 9630865979
- 2 EasyFit Seal Carbon / Silicon Carbide EPDM ..... 9630865980
- 2 EasyFit Seal Carbon / Silicon Carbide FPM ..... 9630865981
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide EPDM ..... 9630864732
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide FPM ..... 9630865982

**Additional parts to convert pump fitted with Easy Fit signal seals to Easy Fit single flushed seals**

- 1 Flushed Seal Conversion Kit BSPT ..... 9630863511

**Conversion Kits comprising of :-**

- 108 2 HOUSING SEAL, BSPT ..... 9630644101
- 109 4 STUD SS, BSPT ..... 9630863464
- 110 4 WASHER PLAIN SS, BSPT ..... 9630030121
- 111 2 SEAL LIP FPM, BSPT ..... 9630644710
- 112 2 O RING FPM, BSPT ..... 9630037153
- 4 NUT HEX SS, BSPT ..... 9630024061
- 2 FLUSHING TUBE BSPT, BSPT ..... 9630036833





Pos	Qty Denomination	Article No.
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**Rotary Seal / Stationary Seal Ring**

Each kit for pump comprises of ;

- 1 off Cover / Spline Sealing Kit
  - 2 off wave springs (101)
  - 2 off Rotary Seal O-rings (102)
  - 2 off 'L' Cup Seals (103)
  - 2 off Rotary Seal Drive Rings (104)
  - 2 off Rotary Seal Rings (105)
  - 2 off Stationary Seal Drive Rings (106)
  - 2 off Stationary Seal Rings (107)
- ..... Service kit

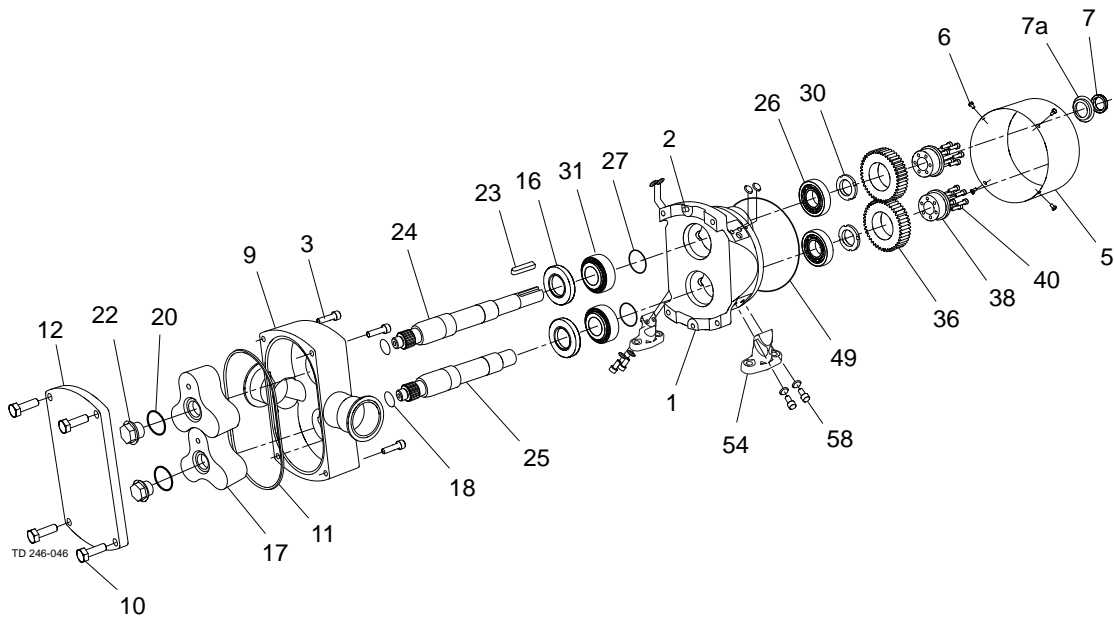
- Carbon / Stainless Steel, EPDM ..... 9630864760
- Carbon / Stainless Steel, FPM ..... 9630864761
- Carbon / Silicon Carbide, EPDM ..... 9630864764
- Carbon / Silicon Carbide, FPM ..... 9630864765
- Silicon Carbide / Silicon Carbide, EPDM ..... 9630864762
- Silicon Carbide / Silicon Carbide, FPM ..... 9630864763
  
- 2 EasyFit Seal Carbon / Stainless Steel EPDM ..... 9630864736
- 2 EasyFit Seal Carbon / Stainless Steel FPM ..... 9630865989
- 2 EasyFit Seal Carbon / Silicon Carbide EPDM ..... 9630865990
- 2 EasyFit Seal Carbon / Silicon Carbide FPM ..... 9630865991
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide EPDM ..... 9630864738
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide FPM ..... 9630865992

**Additional parts to convert pump fitted with Easy Fit signal seals to Easy Fit single flushed seals**

- 1 Flushed Seal Conversion Kit BSPT ..... 9630863512

**Conversion Kits comprising of: -**

- 108 2 HOUSING SEAL, BSPT ..... 9630644201
- 109 4 STUD SS, BSPT ..... 9630863464
- 110 4 WASHER PLAIN SS, BSPT ..... 9630030121
- 111 2 SEAL LIP FPM, BSPT ..... 9630644810
- 112 2 O RING FPM, BSPT ..... 9630037158
- 4 NUT HEX SS, BSPT ..... 9630024061
- 2 FLUSHING TUBE BSPT, BSPT ..... 9630865786



Pos	Qty Denomination	Article No.
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**Rotary Seal / Stationary Seal Ring**

Each kit for pump comprises of ;

- 1 off Cover / Spline Sealing Kit
- 2 off wave springs (101)
- 2 off Rotary Seal O-rings (102)
- 2 off 'L' Cup Seals (103)
- 2 off Rotary Seal Drive Rings (104)
- 2 off Rotary Seal Rings (105)
- 2 off Stationary Seal Drive Rings (106)
- 2 off Stationary Seal Rings (107)
- ..... Service kit

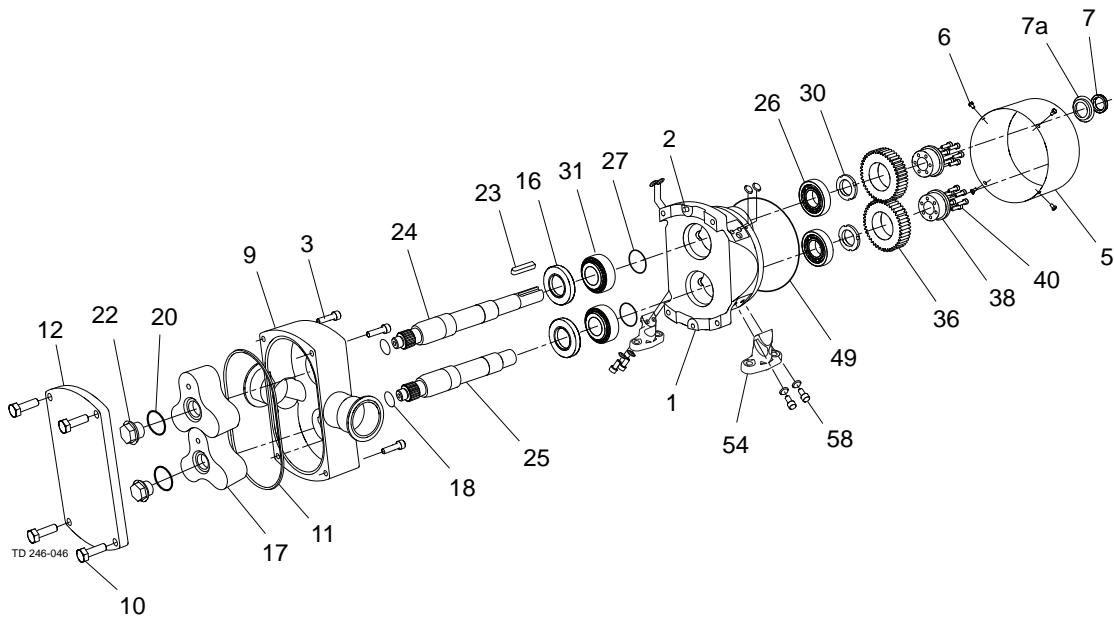
- Carbon / Stainless Steel, EPDM ..... 9630864766
- Carbon / Stainless Steel, FPM ..... 9630864767
- Carbon / Silicon Carbide, EPDM ..... 9630864770
- Carbon / Silicon Carbide, FPM ..... 9630864771
- Silicon Carbide / Silicon Carbide, EPDM ..... 9630864768
- Silicon Carbide / Silicon Carbide, FPM ..... 9630864769
  
- 2 EasyFit Seal Carbon / Stainless Steel EPDM ..... 9630864742
- 2 EasyFit Seal Carbon / Stainless Steel FPM ..... 9630866002
- 2 EasyFit Seal Carbon / Silicon Carbide EPDM ..... 9630866003
- 2 EasyFit Seal Carbon / Silicon Carbide FPM ..... 9630866004
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide EPDM ..... 9630866005
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide FPM ..... 9630864745

**Additional parts to convert pump fitted with Easy Fit signal seals to Easy Fit single flushed seals**

- 1 Flushed Seal Conversion Kit BSPT ..... 9630863513

**Conversion Kits comprising of :-**

- 108 2 HOUSING SEAL, BSPT ..... 9630644202
- 109 4 STUD SS, BSPT ..... 9630863464
- 110 4 WASHER PLAIN SS, BSPT ..... 9630030121
- 111 2 SEAL LIP FPM, BSPT ..... 9630644910
- 112 2 O RING FPM, BSPT ..... 9630925359
- 4 NUT HEX SS, BSPT ..... 9630024061
- 2 FLUSHING TUBE, BSPT ..... 9630865786



Pos	Qty Denomination	Article No.
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**Rotary Seal / Stationary Seal Ring**

Each kit for pump comprises of ;

- 1 off Cover / Spline Sealing Kit
  - 2 off wave springs (101)
  - 2 off Rotary Seal O-rings (102)
  - 2 off 'L' Cup Seals (103)
  - 2 off Rotary Seal Drive Rings (104)
  - 2 off Rotary Seal Rings (105)
  - 2 off Stationary Seal Drive Rings (106)
  - 2 off Rotary Seal O-rings (102)
  - 2 off Stationary Seal Rings (107)
- ..... Service kit

- Carbon / Stainless Steel, EPDM ..... 9630672410
- Carbon / Stainless Steel, FPM ..... 9630672413
- Carbon / Silicon Carbide, EPDM ..... 9630672412
- Carbon / Silicon Carbide, FPM ..... 9630672415
- Silicon Carbide / Silicon Carbide, EPDM ..... 9630672411
- Silicon Carbide / Silicon Carbide, FPM ..... 9630672414
  
- 2 EasyFit Seal Carbon / Stainless Steel EPDM ..... 9630672422
- 2 EasyFit Seal Carbon / Stainless Steel FPM ..... 9630672423
- 2 EasyFit Seal Carbon / Silicon Carbide EPDM ..... 9630672424
- 2 EasyFit Seal Carbon / Silicon Carbide FPM ..... 9630672425
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide EPDM ..... 9630672426
- 2 EasyFit Seal Silicon Carbide / Silicon Carbide FPM ..... 9630672427

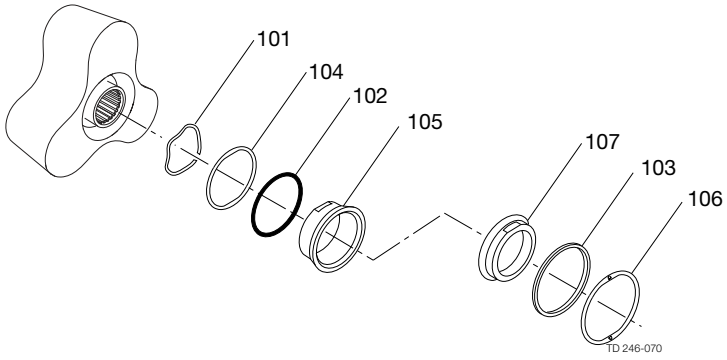
**Additional parts to convert pump fitted with Easy Fit signal seals to Easy Fit single flushed seals**

- 1 Flushed Seal Conversion Kit BSPT ..... 9630672672

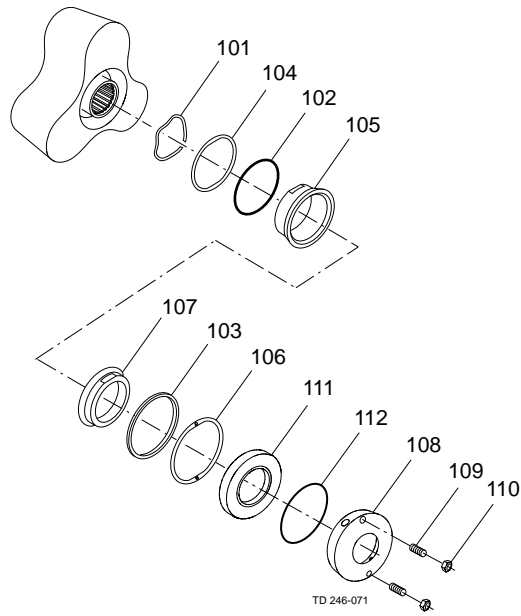
**Conversion Kits comprising of :-**

- 108 2 HOUSING SEAL, BSPT ..... 9630644401
- 109 4 STUD SS, BSPT ..... 9630062341
- 110 4 WASHER PLAIN SS, BSPT ..... 9630030121
- 111 2 SEAL LIP FPM, BSPT ..... 9630645301
- 112 2 O RING FPM, BSPT ..... 9630673054
- 4 NUT HEX SS, BSPT ..... 9630024061
- 2 FLUSHING TUBE, BSPT ..... 9630036837

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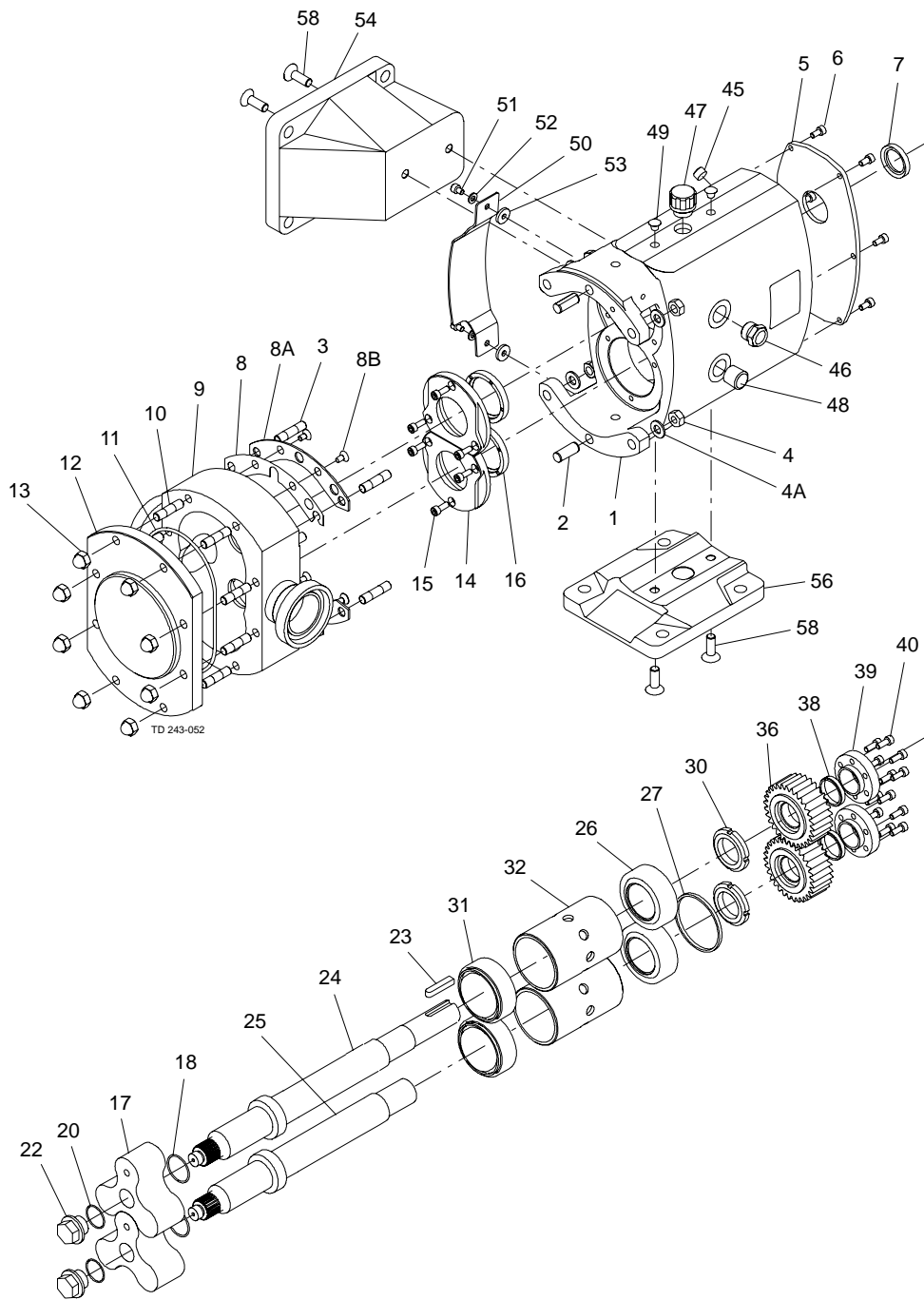


Pos	Qty	Denomination
101	1	Wave Spring . . . . .
102	1	Rotary Seal O-Ring . . . . .
103	1	L' Cup Seal . . . . .
104	1	Rotary Seal Drive Ring . . . . .
105	1	Rotary Seal Ring . . . . .
106	1	Stationary Seal Drive Ring . . . . .
107	1	Stationary Seal Ring . . . . .

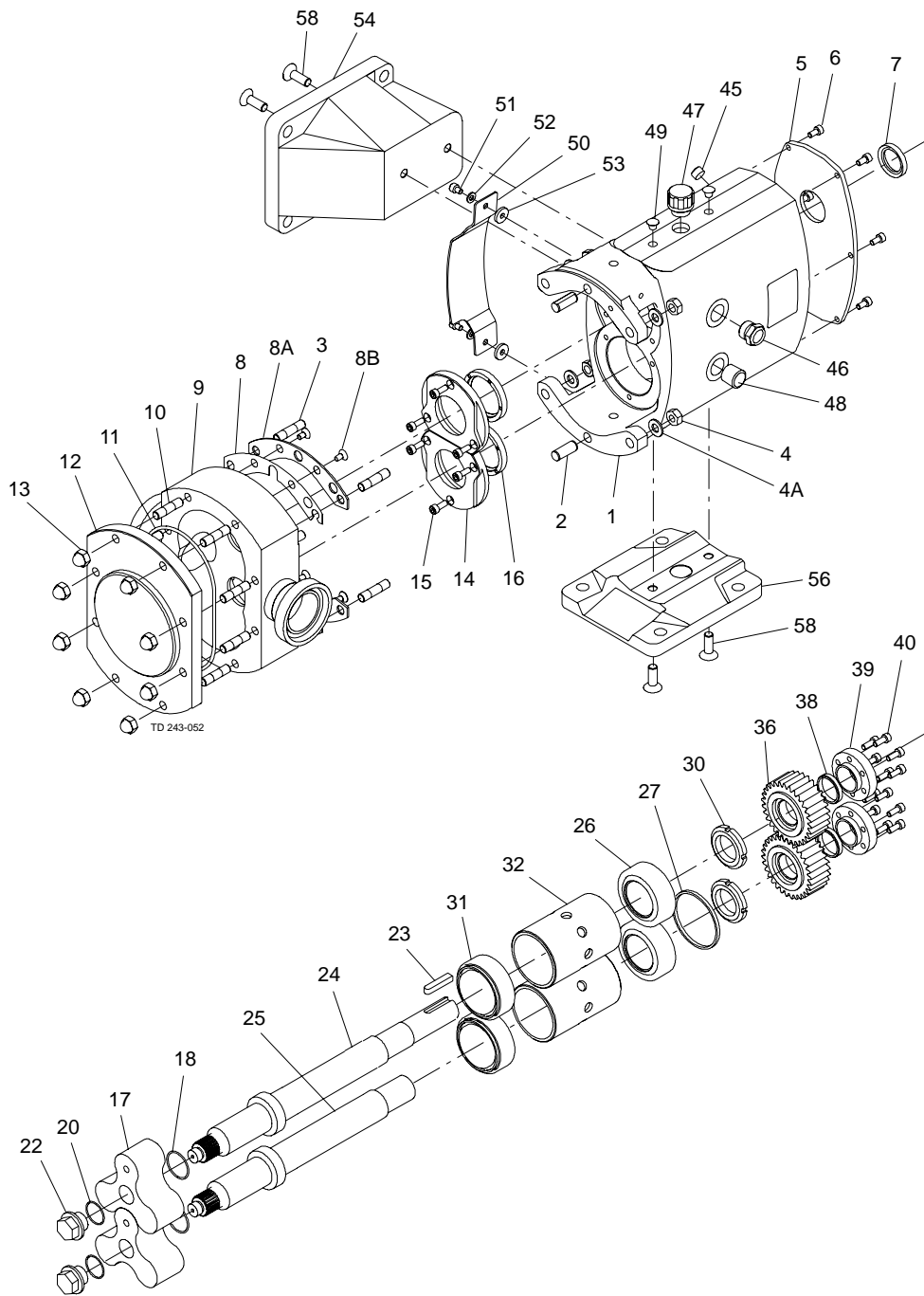




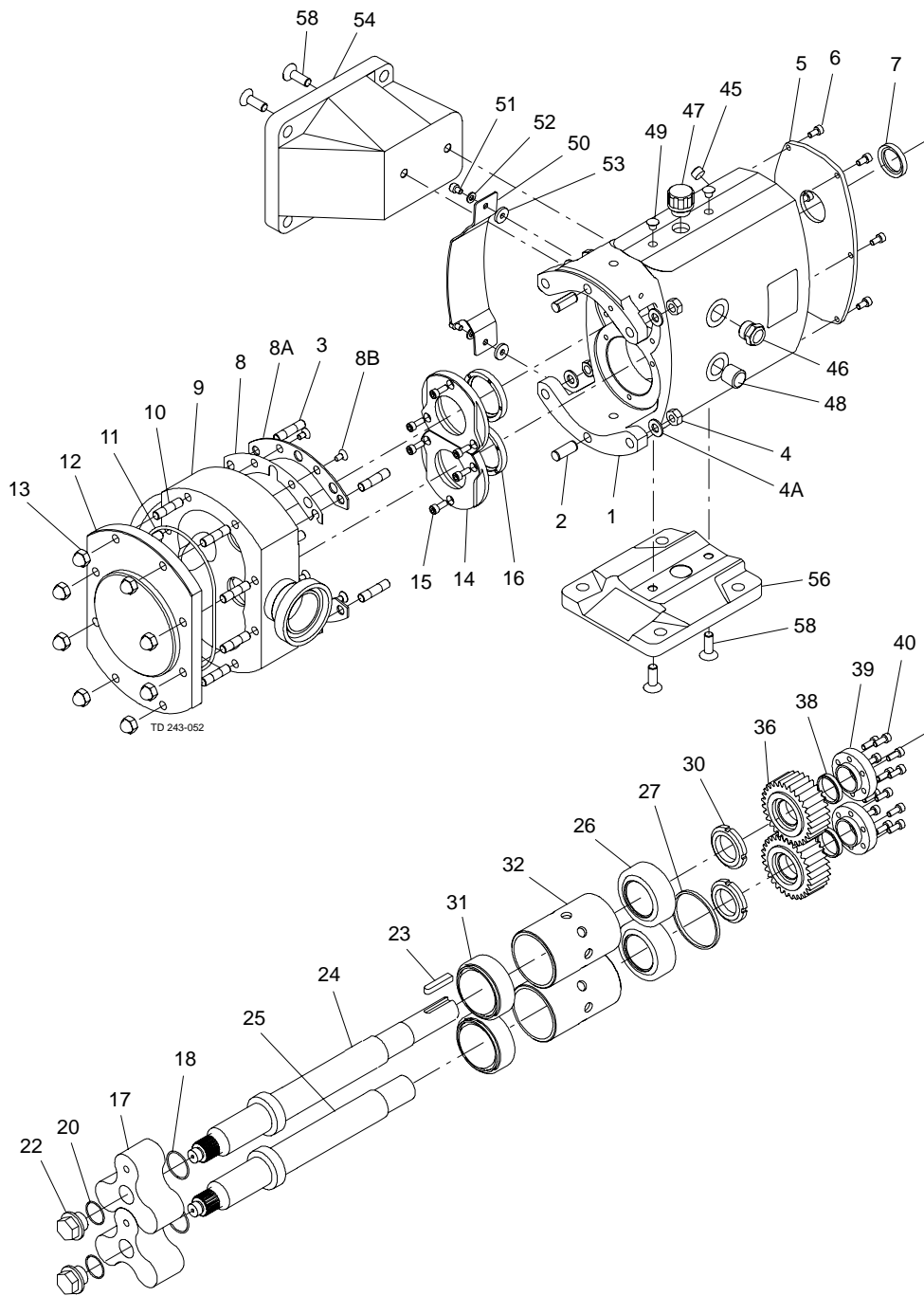
Pos	Qty	Denomination
101	1	Wave Spring . . . . .
102	1	Rotary Seal O-Ring . . . . .
103	1	L' Cup Seal . . . . .
104	1	Rotary Seal Drive Ring . . . . .
105	1	Rotary Seal Ring . . . . .
106	1	Stationary Seal Drive Ring . . . . .
107	1	Stationary Seal Ring . . . . .
108	1	Housing . . . . .
109	2	Stud . . . . .
110	2	Nut . . . . .
111	1	Lip Seal . . . . .
112	1	Housing O-Ring . . . . .



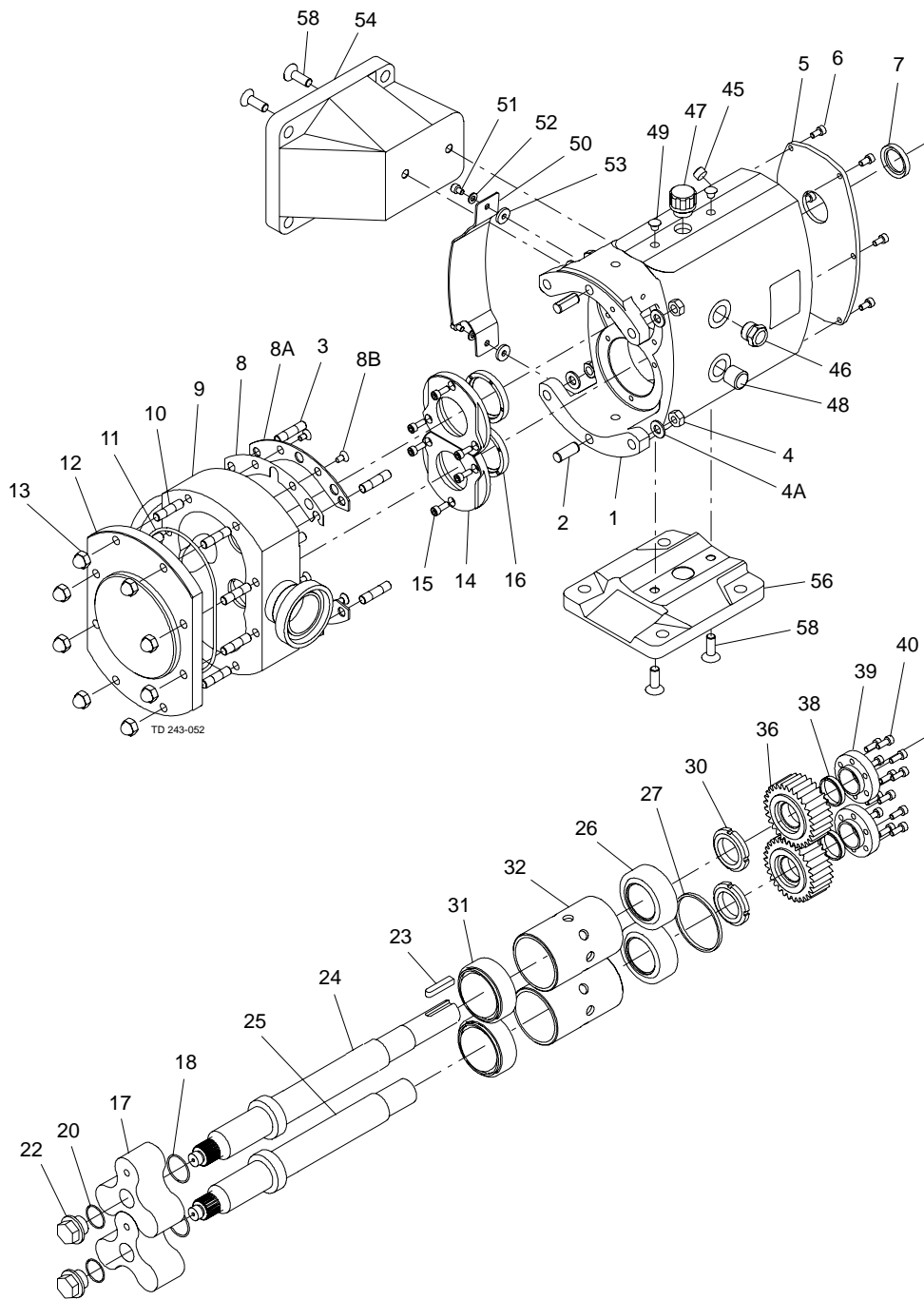
Pos	Qty	Denomination	Item No.
1	1	Gearcase, AL Blue	9630094193
2	2	Dowel	9630030093
3	4	Stud, rotorcase retention	9630052259
4	4	Nut, rotorcase retention	9630024057
4a	4	Washer, rotorcase retention	9630024231
5	1	Cover, gearcase	9630087581
6	6	Screw, gearcase cover	9630030096
7	1	Lip seal, drive end, NBR (not for ATEX)	9630030621
	1	Lip seal, drive end, FPM	9630032806
8	2	Shim, Polymex (not for ATEX)	9630034305
	2	Shim, St.Stl	9630034304
8a	2	Shim retainer	9630050684
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase	
See page -			
10	4	Stud, rotorcase/cover retention	9630031415
11	▲●	1 O-Ring, cover - plain, NBR	9630023375
	▲●	1 O-Ring, cover - plain, FPM	9630023456
	▲●	1 O-Ring, cover - plain, EPDM	9630023539
	▲●	1 O-Ring, cover - plain, PTFE	9630028747
		1 O-Ring, cover - relief valve, NBR	9630024201
		1 O-Ring, cover - relief valve, FPM	9630024335
		1 O-Ring, cover - relief valve, EPDM	9630019858
		1 O-Ring, cover - relief valve, PTFE	9630024336
12	1	Cover, rotorcase, Plain	9630046119
	1	Cover, rotorcase, Drilled for jacket	9630027764
	1	Cover, rotorcase, Relief valve	
See page			
13	4	Dome nut, rotorcase cover	9630024095
14	2	Retainer, seal	9630031375
15	6	Screw, seal retainer	9630030096
16	2	Lip seal, gland end, NBR (not for ATEX)	9630030622
	2	Lip seal, gland end, FPM	9630032796
17	2	Rotor, Trilobe Stainless Steel, 8 bar 70°C, SRU1/005	9630031989
	2	Rotor, Trilobe Stainless Steel, 8 bar 130°C, SRU1/005	9630031990
	2	Rotor, Trilobe Stainless Steel, 8 bar 200°C, SRU1/005	9630031991
	2	Rotor, Bilobe Stainless Steel, 8 bar 70°C, SRU1/005	9630090563
	2	Rotor, Bilobe Stainless Steel, 8 bar 130°C, SRU1/005	9630090564
	2	Rotor, Bilobe Stainless Steel, 8 bar 200°C, SRU1/005	9630090589
	2	Rotor, Bilobe non-galling, 8 bar 70°C, SRU1/005	9630090474
	2	Rotor, Bilobe non-galling, 8 bar 130°C, SRU1/005	9630090475
	2	Rotor, Bilobe non-galling, 8 bar 200°C, SRU1/005	9630090476
	2	Rotor, Trilobe, NBR covered, SRU1/005	9630031495
	2	Rotor, Trilobe Stainless Steel, 5 bar 70°C, SRU1/008	9630031995
	2	Rotor, Trilobe Stainless Steel, 5 bar 130°C, SRU1/008	9630031996
	2	Rotor, Trilobe Stainless Steel, 5 bar 200°C, SRU1/008	9630031997
	2	Rotor, Bilobe Stainless Steel, 5 bar 70°C, SRU1/008	9630090565
	2	Rotor, Bilobe Stainless Steel, 5 bar 130°C, SRU1/008	9630090566
	2	Rotor, Bilobe Stainless Steel, 5 bar 200°C, SRU1/008	9630090567
	2	Rotor, Bilobe non-galling, 5 bar 70°C, SRU1/008	9630090478
	2	Rotor, Bilobe non-galling, 5 bar 130°C, SRU1/008	9630090479
	2	Rotor, Bilobe non-galling, 5 bar 200°C, SRU1/008	9630090481
	2	Rotor, Trilobe, NBR covered, SRU1/008	9630031497
18	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor), NBR	9630044558
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor), FPM	9630044557
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor), EPDM	9630046208
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor), PTFE	9630046212
19	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor), NBR	9630044558
	▲●	2 O-Ring, rotor sealing shaft end (NBR covered rotor), FPM	9630044557
	▲●	2 O-Ring, rotor sealing shaft end (NBR covered rotor), EPDM	9630046208
20	▲●	2 O-Ring, rotor sealing nut end, NBR	9630046204
	▲●	2 O-Ring, rotor sealing nut end, FPM	9630046205
	▲●	2 O-Ring, rotor sealing nut end, EPDM	9630046206
	▲●	2 O-Ring, rotor sealing nut end, PTFE	9630046207
22	2	Nut, rotor retention, SRU1/005	9630045826
	2	Nut, rotor retention, SRU1/008	9630045828
23	1	Key	9630031498
24	1	Shaft, drive, (Duplex), R90	9630033399
	1	Shaft, drive, (Duplex), Hyclean	9630052964



Pos	Qty	Denomination	Item No.
25	1	Shaft, auxiliary, (Duplex) R90	9630033401
	1	Shaft, auxiliary, (Duplex) Hyclean	9630052961
26	2	Bearing, rear	9630029026
27	1	Spacer, shaft abutment	9630032664
30	2	Nut, bearing	9630029135
31	2	Bearing, front	9630029026
32	2	Spacer, bearing	9630033403
36	2	Timing gear	9630031258
38	2	Torque locking element	9630025151
39	2	Clamp plate	9630031371
40	12	Screw, clamp plate	9630030096
45	2	Drain plug	9630023546
46	1	Sight glass, - standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, - standard (for ATEX pump see 'ATEX Parts')	9630018599
48	2	Plug	9630023548
49	4	Blanking plug	9630089950
50	2	Gland Guard, - R90 / Hyclean Seal	9630999522
	2	Gland Guard, - Hyclean Flushed Seal	9630652056
51	4	Screw, gland guard	9630050533
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070562
56	1	Foot, horizontal port	9630070561
58	2	Bolt, Foot	9630074795

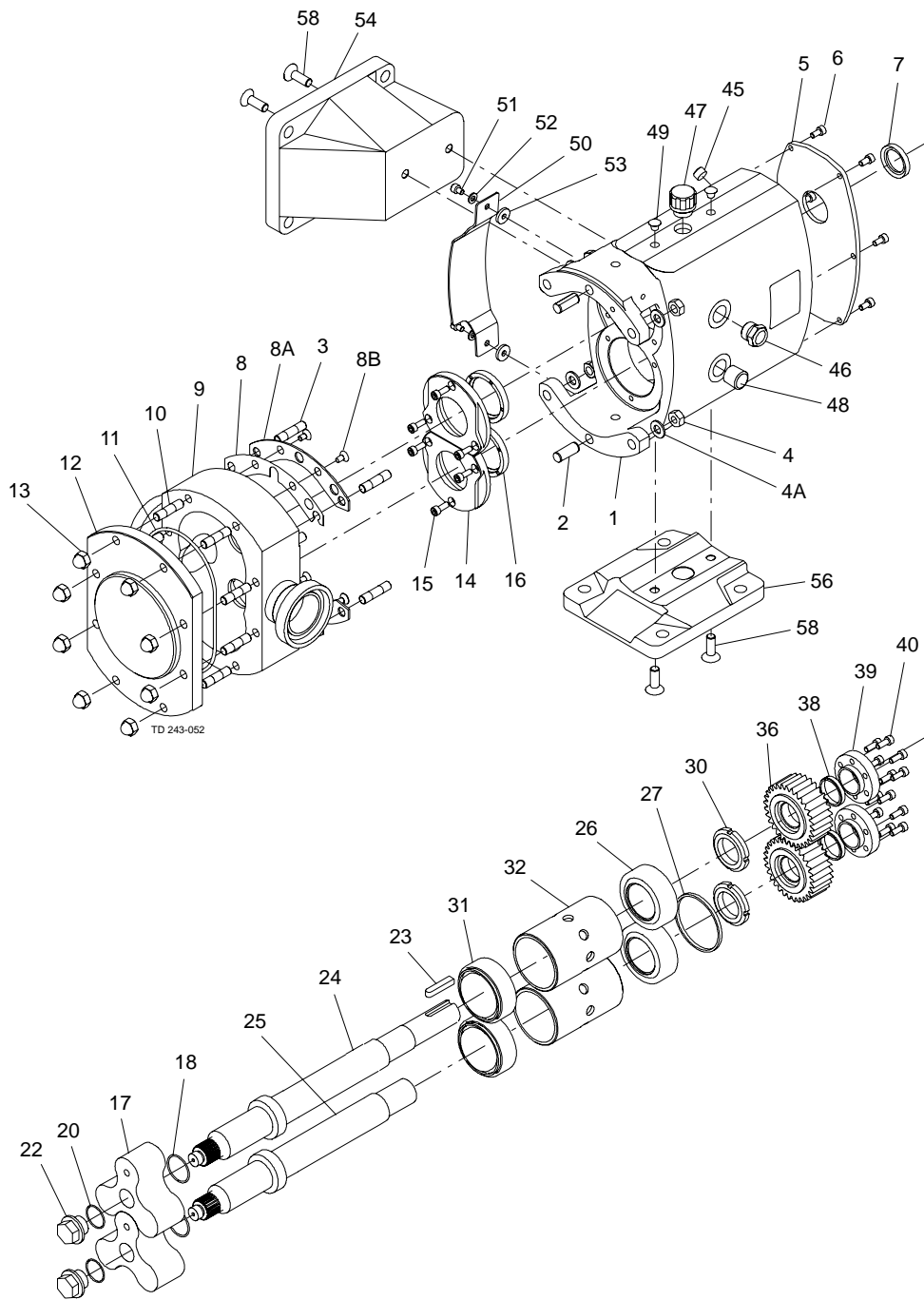


Pos	Qty	Denomination	Item No.
1	1	Gearcase, AL Blue	9630094199
2	2	Dowel	9630030093
3	4	Stud, rotorcase retention	9630052261
4	4	Nut, rotorcase retention	9630024051
4a	4	Washer, rotorcase retention	9630024233
5	1	Cover, gearcase	9630087567
6	6	Screw, gearcase cover	9630030096
7	1	Lip seal, drive end, NBR (not for ATEX)	9630040403
	1	Lip seal, drive end, FPM	9630032807
8	2	Shim, Polymex (not for ATEX)	9630034199
	2	Shim, St.Stl	9630034201
8a	2	Shim retainer	9630089541
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase	
See page -			
10	4	Stud, rotorcase/cover retention	9630024086
11	▲●	1 O-Ring, cover, - plain, NBR	9630023379
	▲●	1 O-Ring, cover, - plain, FPM	9630023462
	▲●	1 O-Ring, cover, - plain, EPDM	9630023540
	▲●	1 O-Ring, cover, - plain, PTFE	9630040636
		1 O-Ring, cover, - relief valve, NBR	9630030114
		1 O-Ring, cover, - relief valve, FPM	9630026029
		1 O-Ring, cover, - relief valve, EPDM	9630027285
		1 O-Ring, cover, - relief valve, PTFE	9630024882
12	1	Cover, rotorcase, Plain	9630046120
	1	Cover, rotorcase, Drilled for jacket	9630027767
	1	Cover, rotorcase, Relief valve	
See page			
13	4	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630031405
15	6	Screw, seal retainer	9630024595
16	2	Lip seal, gland end, NBR (not for ATEX)	9630030623
	2	Lip seal, gland end, FPM	9630032797
17	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU2/013/LS-HS	9630046723
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU2/013/LS-HS	9630040081
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU2/013/LS-HS	9630047747
	2	Rotor, Trilobe Stainless Steel, 15 bar 70°C, SRU2/013/LD-HD	9630046603
	2	Rotor, Trilobe Stainless Steel, 15 bar 130°C, SRU2/013/LD-HD	9630047748
	2	Rotor, Trilobe Stainless Steel, 15 bar 200°C, SRU2/013/LD-HD	9630047749
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU2/013/LS-HS	9630090571
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU2/013/LS-HS	9630090572
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU2/013/LS-HS	9630090573
	2	Rotor, Bilobe Stainless Steel, 15 bar 70°C, SRU2/013/LD-HD	9630090574
	2	Rotor, Bilobe Stainless Steel, 15 bar 130°C, SRU2/013/LD-HD	9630090575
	2	Rotor, Bilobe Stainless Steel, 15 bar 200°C, SRU2/013/LD-HD	9630090576
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU2/013/LS-HS	9630090482
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU2/013/LS-HS	9630090483
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU2/013/LS-HS	9630090484
	2	Rotor, Bilobe non-galling, 15 bar 70°C, SRU2/013/LD-HD	9630090485
	2	Rotor, Bilobe non-galling, 15 bar 130°C, SRU2/013/LD-HD	9630090486
	2	Rotor, Bilobe non-galling, 15 bar 200°C, SRU2/013/LD-HD	9630090487
	2	Rotor, Trilobe, NBR covered, SRU2/013	9630031481
	2	Rotor, Trilobe Stainless Steel, 7 bar 70°C, SRU2/018/LS-HS	9630047243
	2	Rotor, Trilobe Stainless Steel, 7 bar 130°C, SRU2/018/LS-HS	9630043480
	2	Rotor, Trilobe Stainless Steel, 7 bar 200°C, SRU2/018/LS-HS	9630047751
	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU2/018/LD-HD	9630048049
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU2/018/LD-HD	9630048050
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU2/018/LD-HD	9630048051
	2	Rotor, Bilobe Stainless Steel, 7 bar 70°C, SRU2/018/LS-HS	9630090577
	2	Rotor, Bilobe Stainless Steel, 7 bar 130°C, SRU2/018/LS-HS	9630090578
	2	Rotor, Bilobe Stainless Steel, 7 bar 200°C, SRU2/018/LS-HS	9630090579
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU2/018/LD-HD	9630090599
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU2/018	9630090580
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU2/018	9630099560
	2	Rotor, Bilobe non-galling, 7 bar 70°C, SRU2/018/LS-HS	9630090488
	2	Rotor, Bilobe non-galling, 7 bar 130°C, SRU2/018	9630090489
	2	Rotor, Bilobe non-galling, 7 bar 200°C, SRU2/018	9630090490
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU2/018/LD-HD	9630090491
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU2/018	9630090492
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU2/018	9630090493
	2	Rotor, Trilobe, NBR covered, SRU2/018	9630031483

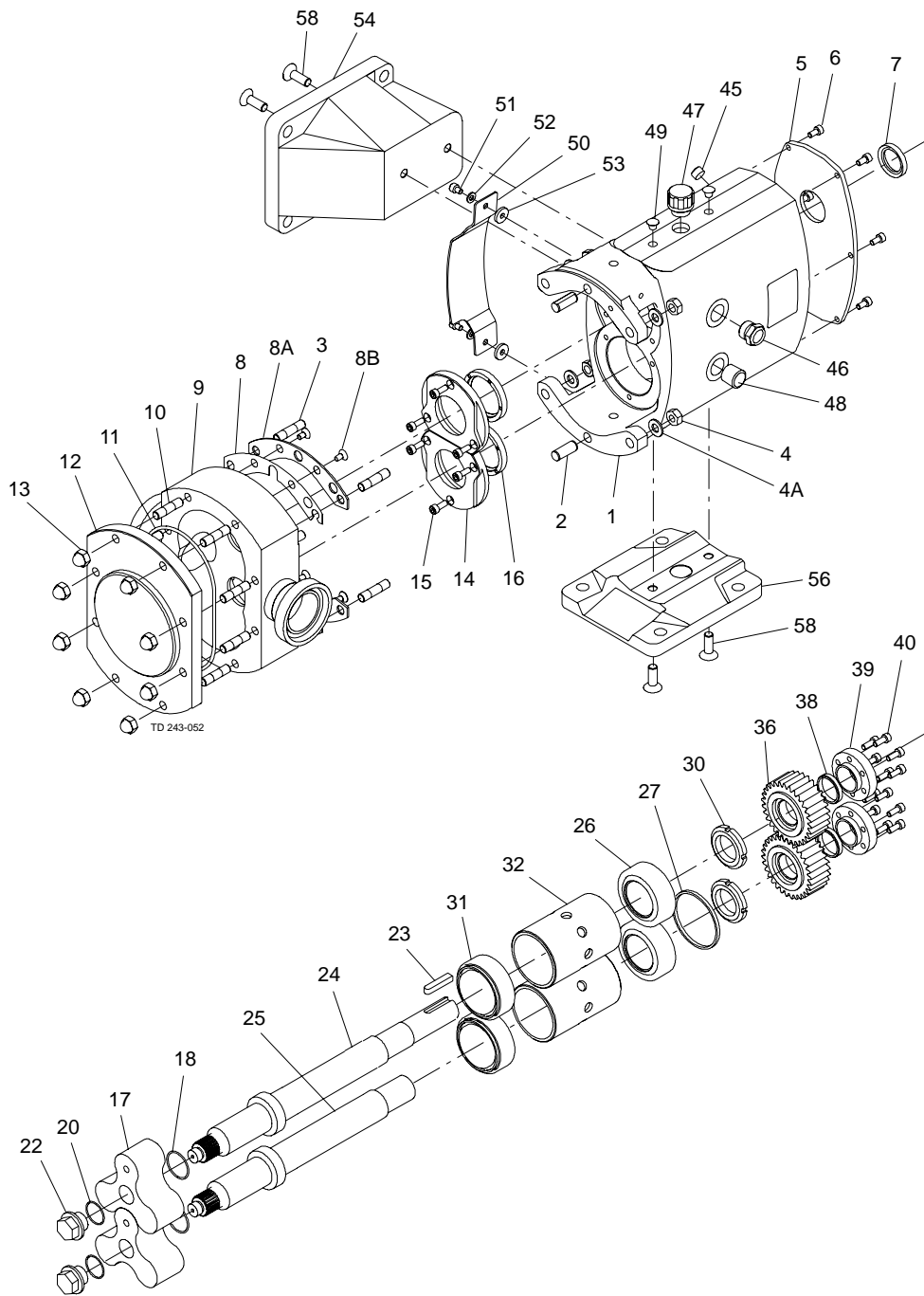




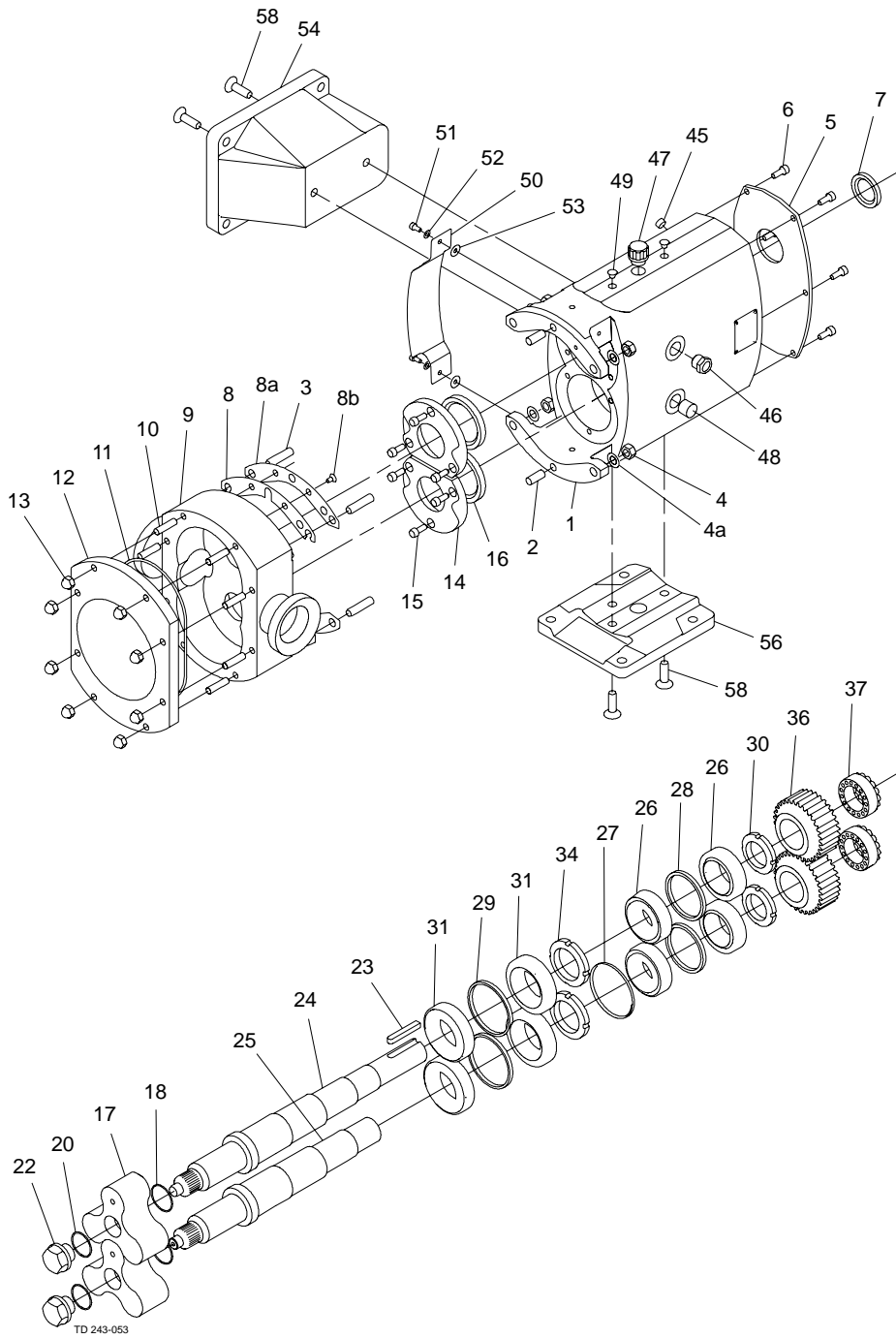
Pos	Qty	Denomination	Item No.
18	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) NBR	9630046452
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) FPM	9630046453
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) EPDM	9630046455
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) PTFE	9630046454
20	▲●	2 O-Ring, rotor sealing nut end, NBR	9630031506
	▲●	2 O-Ring, rotor sealing nut end, FPM	9630046186
	▲●	2 O-Ring, rotor sealing nut end, EPDM	9630046187
	▲●	2 O-Ring, rotor sealing nut end, PTFE	9630046188
22		2 Nut, rotor retention, SRU2/013	9630045830
		2 Nut, rotor retention, SRU2/018	9630045832
23		1 Key	9630023916
24		1 Shaft, drive, (St.Stl) R90	9630031389
		1 Shaft, drive, (St.Stl) Hyclean	9630046281
		1 Shaft, drive, (Duplex) R90	9630030029
		1 Shaft, drive, (Duplex) Hyclean	9630022632
25		1 Shaft, auxiliary, (St.Stl) R90	9630031391
		1 Shaft, auxiliary, (St.Stl) Hyclean	9630046255
		1 Shaft, auxiliary, (Duplex) R90	9630032000
		1 Shaft, auxiliary, (Duplex) Hyclean	9630046257
26		2 Bearing, rear	9630029028
27		1 Spacer, shaft abutment	9630032678
30		2 Nut, bearing	9630029136
31		2 Bearing, front	9630029028
32		2 Spacer, bearing	9630031409
36		2 Timing gear	9630031260
38		2 Torque locking element	9630030115
39		2 Clamp plate	9630031407
40		12 Screw, clamp plate	9630024595
45		2 Drain plug	9630023546
46		1 Sight glass, - standard (for ATEX pump see 'ATEX Parts')	9630032778
47		1 Filler plug, - standard (for ATEX pump see 'ATEX Parts')	9630018599
48		2 Plug	9630023548
49		4 Blanking plug	9630087278
50		2 Gland Guard, - R90 / Hyclean Seal	9630999523
		2 Gland Guard, - R90 Flushed Seal	9630652101
		2 Gland Guard, - Hyclean Flushed Seal	9630652057
51		4 Screw, gland guard	9630050533
53		4 Washer, gland guard	9630924711
54		1 Foot, vertical port, AL Blue	9630069904
56		1 Foot, horizontal port, AL Blue	9630069903
58		2 Bolt, Foot	9630074794



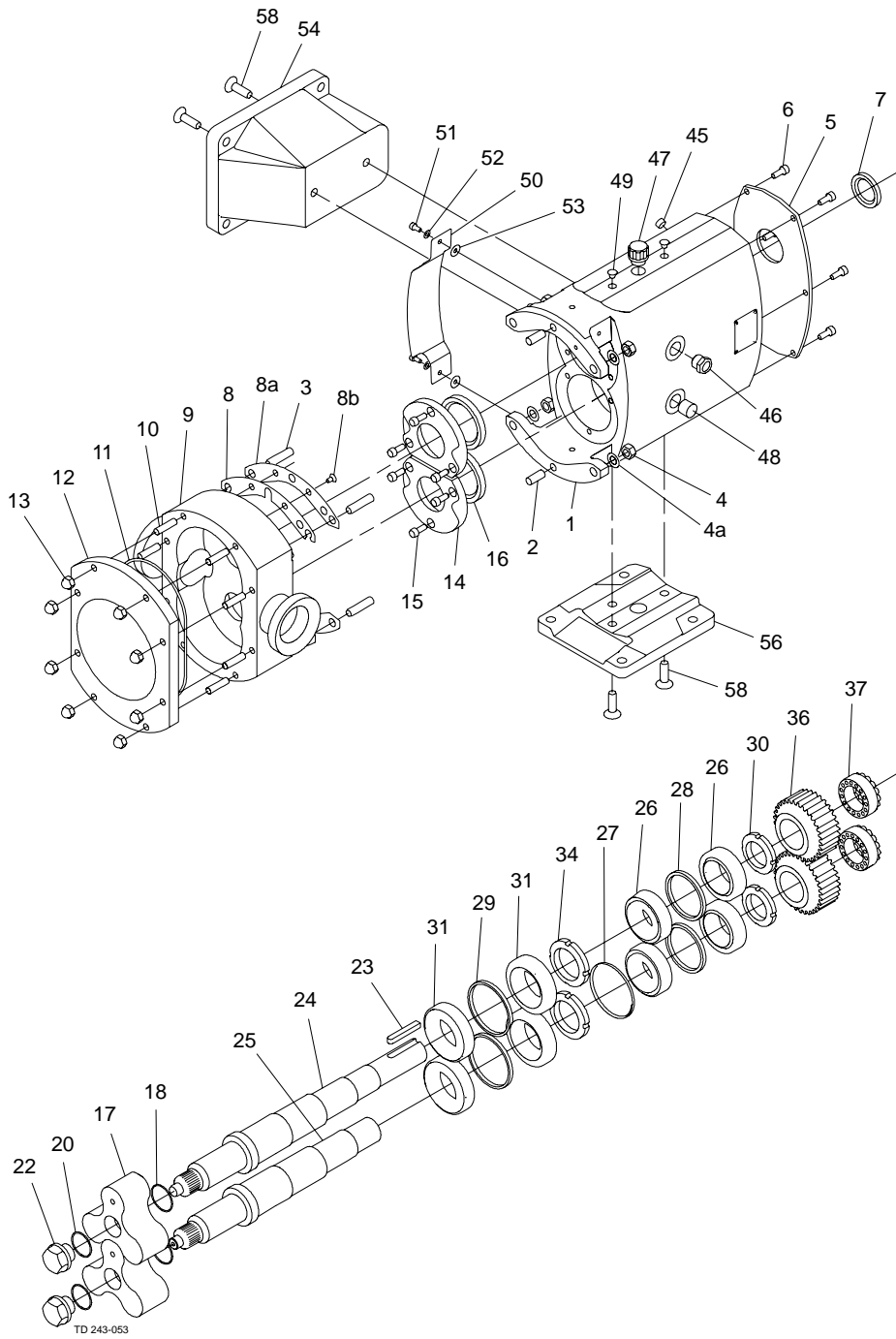
Pos	Qty	Denomination	Item No.
1	1	Gearcase, AL Blue	9630094201
2	2	Dowel	9630023461
3	4	Stud, rotorcase retention	9630027485
4	4	Nut, rotorcase retention	9630024051
4a	4	Washer, rotorcase retention	9630024233
5	1	Cover, gearcase	9630070039
6	6	Screw, gearcase cover	9630024595
7	1	Lip seal, drive end, NBR (not for ATEX)	9630023983
	1	Lip seal, drive end, FPM	9630032808
8	2	Shim, Polymex (not for ATEX)	9630034130
	2	Shim, St.Stl	9630034030
8a	2	Shim retainer	9630089542
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase	
See page -			
10	8	Stud, rotorcase/cover retention, Std	9630027490
	4	Stud, rotorcase/cover retention, For rectangular inlet	9630022111
11	▲●	O-Ring, cover, - plain, NBR	9630046234
	▲●	O-Ring, cover, - plain, FPM	9630046235
	▲●	O-Ring, cover, - plain, EPDM	9630046236
	▲●	O-Ring, cover, - plain, PTFE	9630040637
	1	O-Ring, cover, - relief valve, NBR	9630030271
	1	O-Ring, cover, - relief valve, FPM	9630026048
	1	O-Ring, cover, - relief valve, EPDM	9630026951
	1	O-Ring, cover, - relief valve, PTFE	9630031555
12	1	Cover, rotorcase, Plain	9630046122
	1	Cover, rotorcase, For rectangular inlet	9630048101
	1	Cover, rotorcase, Drilled for jacket	9630027766
	1	Cover, rotorcase, Relief valve	
See page			
13	8	Dome nut, rotorcase cover, Std	9630029651
	4	Dome nut, rotorcase cover, For rectangular inlet	9630024088
14	2	Retainer, seal	9630025431
15	6	Screw, seal retainer	9630024595
16	2	Lip seal, gland end, NBR (not for ATEX)	9630030625
	2	Lip seal, gland end, FPM	9630032798
17	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU3/027/LS-HS	9630046726
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU3/027/LS-HS	9630032535
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU3/027/LS-HS	9630046365
	2	Rotor, Trilobe Stainless Steel, 15 bar 70°C, SRU3/027/LD-HD	9630047194
	2	Rotor, Trilobe Stainless Steel, 15 bar 130°C, SRU3/027/LD-HD	9630046354
	2	Rotor, Trilobe Stainless Steel, 15 bar 200°C, SRU3/027/LD-HD	9630047752
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU3/027/LS-HS	9630090584
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU3/027/LS-HS	9630090585
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU3/027/LS-HS	9630090586
	2	Rotor, Bilobe Stainless Steel, 15 bar 70°C, SRU3/027/LD-HD	9630090588
	2	Rotor, Bilobe Stainless Steel, 15 bar 130°C, SRU3/027/LD-HD	9630090589
	2	Rotor, Bilobe Stainless Steel, 15 bar 200°C, SRU3/027/LD-HD	9630090600
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU3/027/LS-HS	9630090415
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU3/027/LS-HS	9630090416
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU3/027/LS-HS	9630090417
	2	Rotor, Bilobe non-galling, 15 bar 70°C, SRU3/027/LD-HD	9630090418
	2	Rotor, Bilobe non-galling, 15 bar 130°C, SRU3/027/LD-HD	9630090419
	2	Rotor, Bilobe non-galling, 15 bar 200°C, SRU3/027/LD-HD	9630090420
	2	Rotor, Trilobe, NBR covered, SRU3/027	9630021284
	2	Rotor, Trilobe Stainless Steel, 7 bar 70°C, SRU3/038/LS-HS	9630027757
	2	Rotor, Trilobe Stainless Steel, 7 bar 130°C, SRU3/038/LS-HS	9630039955
	2	Rotor, Trilobe Stainless Steel, 7 bar 200°C, SRU3/038/LS-HS	9630048052
	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU3/038/LD-HD	9630047753
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU3/038/LD-HD	9630048053
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU3/038/LD-HD	9630048054
	2	Rotor, Bilobe Stainless Steel, 7 bar 70°C, SRU3/038/LS-HS	9630090540
	2	Rotor, Bilobe Stainless Steel, 7 bar 130°C	9630090539
	2	Rotor, Bilobe Stainless Steel, 7 bar 200°C, SRU3/038/LS-HS	9630090542
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU3/038/LD-HD	9630090544
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU3/038/LD-HD	9630090545
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU3/038/LD-HD	9630090546
	2	Rotor, Bilobe non-galling, 7 bar 70°C, SRU3/038/LS-HS	9630090494
	2	Rotor, Bilobe non-galling, 7 bar 130°C, SRU3/038/LS-HS	9630090495
	2	Rotor, Bilobe non-galling, 7 bar 200°C, SRU3/038/LS-HS	9630090496
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU3/038/LD-HD	9630090497
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU3/038/LD-HD	9630090498
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU3/038/LD-HD	9630090499
	2	Rotor, Trilobe, NBR covered, SRU3/038	9630026256



Pos	Qty	Denomination	Item No.
18	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) NBR . . . . .	9630038950
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) FPM . . . . .	9630038951
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) EPDM . . . . .	9630038952
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) PTFE . . . . .	9630046456
19	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) NBR . . . . .	9630029980
	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) FPM . . . . .	9630026280
	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) EPDM . . . . .	9630037533
20	▲●	2 O-Ring, rotor sealing nut end, NBR . . . . .	9630031566
	▲●	2 O-Ring, rotor sealing nut end, FPM . . . . .	9630046189
	▲●	2 O-Ring, rotor sealing nut end, EPDM . . . . .	9630046190
	▲●	2 O-Ring, rotor sealing nut end, PTFE . . . . .	9630046191
21		2 O-ring, rotor sealing nut end, EPDM . . . . .	9630046190
22		2 Nut, rotor retention, SRU3/027 . . . . .	9630046130
		2 Nut, rotor retention, SRU3/038 . . . . .	9630046138
23		1 Key . . . . .	9630031499
24		1 Shaft, drive, (St.Stl) R90 . . . . .	9630033130
		1 Shaft, drive, (St.Stl) Hyclean . . . . .	9630046282
		1 Shaft, drive, (Duplex) R90 . . . . .	9630043091
		1 Shaft, drive, (Duplex) Hyclean . . . . .	9630026038
25		1 Shaft, auxiliary, (St.Stl) R90 . . . . .	9630033127
		1 Shaft, auxiliary, (St.Stl) Hyclean . . . . .	9630046260
		1 Shaft, auxiliary, (Duplex) R90 . . . . .	9630043090
		1 Shaft, auxiliary, (Duplex) Hyclean . . . . .	9630046262
26		2 Bearing, rear . . . . .	9630029030
27		1 Spacer, shaft abutment . . . . .	9630032683
30		2 Nut, bearing . . . . .	9630029137
31		2 Bearing, front . . . . .	9630029030
32		2 Spacer, bearing . . . . .	9630029695
36		2 Timing gear, St.Stl shaft . . . . .	9630028272
		2 Timing gear, Duplex shaft . . . . .	9630027688
38		2 Torque locking element, St.Stl shaft . . . . .	9630030273
		4 Torque locking element, Duplex shaft . . . . .	9630030273
39		2 Clamp plate . . . . .	9630029175
40		12 Screw, clamp plate . . . . .	9630024591
45		2 Drain plug . . . . .	9630023546
46		1 Sight glass, - standard (for ATEX pump see 'ATEX Parts') . . . . .	9630032778
47		1 Filler plug, - standard (for ATEX pump see 'ATEX Parts') . . . . .	9630018599
48		2 Plug . . . . .	9630023548
49		4 Blanking plug . . . . .	9630087278
50		2 Gland Guard, - R90 / Hyclean Seal . . . . .	9630999524
		2 Gland Guard, - R90 Flushed Seal . . . . .	9630652102
		2 Gland Guard, - Hyclean Flushed Seal . . . . .	9630652058
51		4 Screw, gland guard . . . . .	9630030332
52		4 Washer, gland guard . . . . .	9630030121
53		4 Washer, gland guard . . . . .	9630924711
54		1 Foot, vertical port, AL Blue . . . . .	9630125239
56		1 Foot, horizontal port, AL Blue . . . . .	9630070492
58		2 Bolt, Foot . . . . .	9630074776

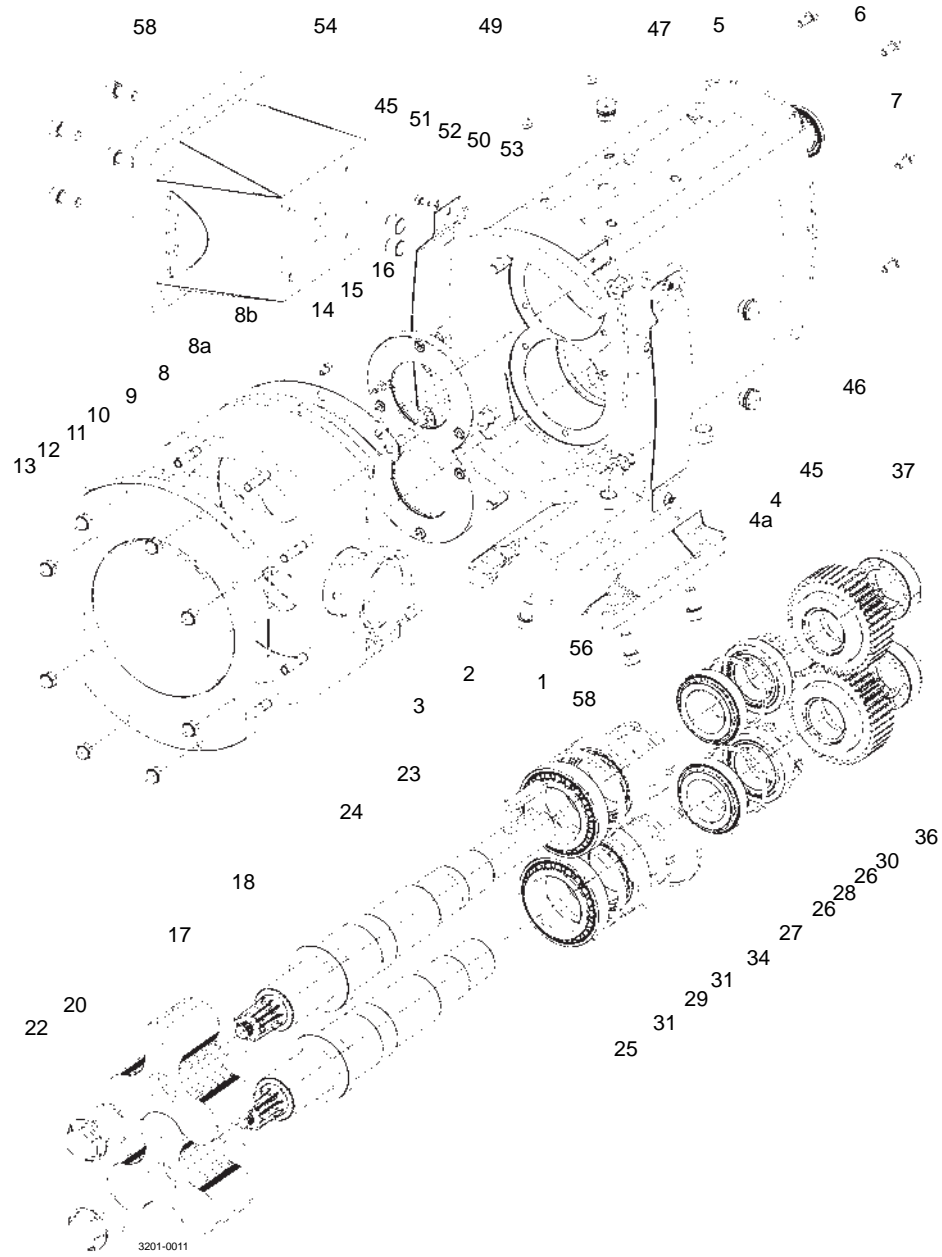


Pos	Qty	Denomination	Item No.
1	1	Gearcase, AL Blue	9630094202
2	2	Dowel	9630023461
3	4	Stud, rotorcase retention	9630052265
4	4	Nut, rotorcase retention	9630024053
4a	4	Washer, rotorcase retention	9630024236
5	1	Cover, gearcase	9630087616
6	6	Screw, gearcase cover	9630024629
7	1	Lip seal, drive end, NBR (not for ATEX)	9630030624
	1	Lip seal, drive end, FPM	9630032809
8	2	Shim, Polymex (not for ATEX)	9630033702
	2	Shim, St.Stl	9630033704
8a	2	Shim retainer	9630089543
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase	
See page -			
10	8	Stud, rotorcase/cover retention	9630019863
11	▲●	1 O-Ring, cover, - plain, NBR	9630046177
	▲●	1 O-Ring, cover, - plain, FPM	9630037519
	▲●	1 O-Ring, cover, - plain, EPDM	9630046178
	▲●	1 O-Ring, cover, - plain, PTFE	9630026547
		1 O-Ring, cover, - relief valve, NBR	9630029958
		1 O-Ring, cover, - relief valve, FPM	9630026117
		1 O-Ring, cover, - relief valve, EPDM	9630019861
		1 O-Ring, cover, - relief valve, PTFE	9630031556
12	1	Cover, rotorcase, Plain	9630046124
	1	Cover, rotorcase, Drilled for jacket	9630030268
	1	Cover, rotorcase, Relief valve	
See page			
13	8	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630028443
15	6	Screw, seal retainer	9630024629
16	2	Lip seal, gland end, NBR (not for ATEX)	9630030627
	2	Lip seal, gland end, FPM	9630032800
17	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU4/055/ LS-HS	9630046158
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU4/055/ LS-HS	9630044012
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU4/055/ LS-HS	9630046289
	2	Rotor, Trilobe Stainless Steel, 20 bar 70°C, SRU4/055/ LD-HD	9630034398
	2	Rotor, Trilobe Stainless Steel, 20 bar 130°C, SRU4/055/ LD-HD	9630046964
	2	Rotor, Trilobe Stainless Steel, 20 bar 200°C, SRU4/055/ LD-HD	9630046996
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU4/055/ LS-HS	9630090601
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU4/055/ LS-HS	9630090603
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU4/055/ LS-HS	9630090604
	2	Rotor, Bilobe Stainless Steel, 20 bar 70°C, SRU4/055/ LD-HD	9630090605
	2	Rotor, Bilobe Stainless Steel, 20 bar 130°C, SRU4/055/ LD-HD	9630090606
	2	Rotor, Bilobe Stainless Steel, 20 bar 200°C, SRU4/055/ LD-HD	9630090607
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU4/055/ LS-HS	9630090500
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU4/055/ LS-HS	9630090501
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU4/055/ LS-HS	9630090502
	2	Rotor, Bilobe non-galling, 20 bar 70°C, SRU4/055/ LD-HD	9630090503
	2	Rotor, Bilobe non-galling, 20 bar 130°C, SRU4/055/ LD-HD	9630090504
	2	Rotor, Bilobe non-galling, 20 bar 200°C, SRU4/055/ LD-HD	9630090505
	2	Rotor, Trilobe, NBR covered, SRU4/055	9630027382
	2	Rotor, Trilobe Stainless Steel, 7 bar 70°C, SRU4/079/ LS-HS	9630046159
	2	Rotor, Trilobe Stainless Steel, 7 bar 130°C, SRU4/079/ LS-HS	9630039235
	2	Rotor, Trilobe Stainless Steel, 7 bar 200°C, SRU4/079/ LS-HS	9630028324
	2	Rotor, Trilobe Stainless Steel, 15 bar 70°C, SRU4/079/ LD-HD	9630018802
	2	Rotor, Trilobe Stainless Steel, 15 bar 130°C, SRU4/079/ LD-HD	9630048055
	2	Rotor, Trilobe Stainless Steel, 15 bar 200°C, SRU4/079/ LD-HD	9630048056
	2	Rotor, Bilobe Stainless Steel, 7 bar 70°C, SRU4/079/LS-HS	9630090608
	2	Rotor, Bilobe Stainless Steel, 7 bar 130°C, SRU4/079/LS-HS	9630090609
	2	Rotor, Bilobe Stainless Steel, 7 bar 200°C, SRU4/079/LS-HS	9630090610
	2	Rotor, Bilobe Stainless Steel, 15 bar 70°C, SRU4/079/LD-HD	9630090611
	2	Rotor, Bilobe Stainless Steel, 15 bar 130°C, SRU4/079/LD-HD	9630090612
	2	Rotor, Bilobe Stainless Steel, 15 bar 200°C, SRU4/079/LD-HD	9630090613
	2	Rotor, Bilobe Stainless Steel, 7 bar 70°C, SRU4/079/LS-HS	9630090506
	2	Rotor, Bilobe Stainless Steel, 7 bar 130°C, SRU4/079/LS-HS	9630090507
	2	Rotor, Bilobe Stainless Steel, 7 bar 200°C, SRU4/079/LS-HS	9630090508
	2	Rotor, Bilobe Stainless Steel, 15 bar 70°C, SRU4/079/LD-HD	9630090509
	2	Rotor, Bilobe Stainless Steel, 15 bar 130°C, SRU4/079/LD-HD	9630090510
	2	Rotor, Bilobe Stainless Steel, 15 bar 200°C, SRU4/079/LD-HD	9630090511
	2	Rotor, Trilobe, NBR covered, SRU4/079	9630027172

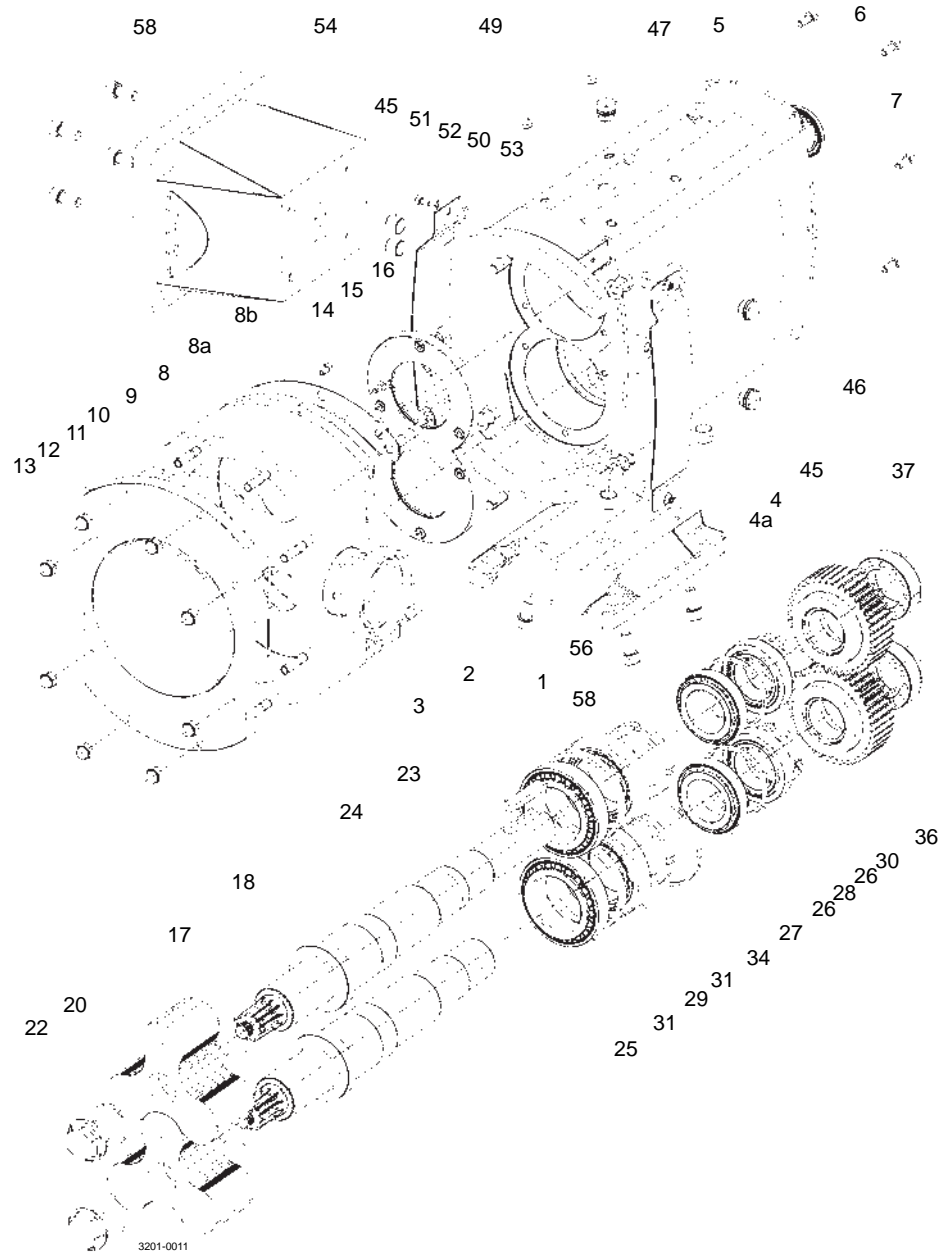




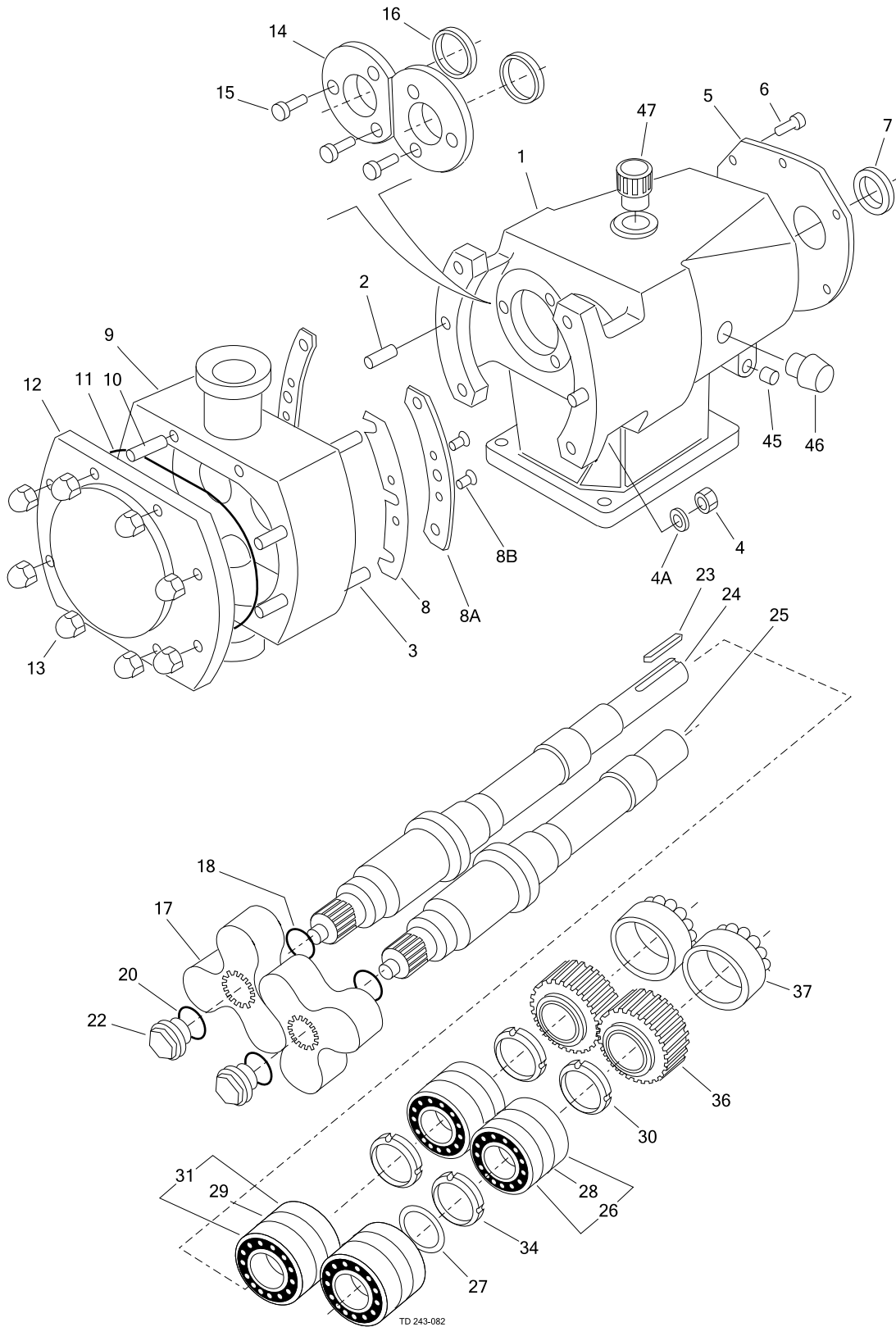
Pos	Qty	Denomination	Item No.
18	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) NBR . . . . .	9630046196
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) FPM . . . . .	9630038931
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) EPDM . . . . .	9630046197
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) FEP Enc.. . . . .	9630046198
19	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) NBR . . . . .	9630029979
	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) FPM . . . . .	9630027953
	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) EPDM . . . . .	9630029383
20	▲●	2 O-Ring, rotor sealing nut end, NBR . . . . .	9630046192
	▲●	2 O-Ring, rotor sealing nut end, FPM . . . . .	9630046193
	▲●	2 O-Ring, rotor sealing nut end, EPDM . . . . .	9630046194
	▲●	2 O-Ring, rotor sealing nut end, PTFE . . . . .	9630046195
22		2 Nut, rotor retention, SRU4/055 . . . . .	9630046132
		2 Nut, rotor retention, SRU4/079 . . . . .	9630046140
23		1 Key . . . . .	9630023932
24		1 Shaft, drive, (St.Stl) R90 . . . . .	9630031042
		1 Shaft, drive, (St.Stl) Hyclean . . . . .	9630046283
		1 Shaft, drive, (Duplex) R90 . . . . .	9630031045
		1 Shaft, drive, (Duplex) Hyclean . . . . .	9630046276
25		1 Shaft, auxiliary, (St.Stl) R90 . . . . .	9630031044
		1 Shaft, auxiliary, (St.Stl) Hyclean . . . . .	9630046265
		1 Shaft, auxiliary, (Duplex) R90 . . . . .	9630031046
		1 Shaft, auxiliary, (Duplex) Hyclean . . . . .	9630046267
26		4 Bearing, rear . . . . .	9630029032
27		1 Spacer, shaft abutment . . . . .	9630035207
28		2 Spacer, bearing drive end . . . . .	9630027142
29		2 Spacer, bearing gland end . . . . .	9630031175
30		2 Nut, bearing rear . . . . .	9630029138
31		4 Bearing, front . . . . .	9630029034
34		2 Nut, bearing front . . . . .	9630024100
36		2 Timing gear . . . . .	9630019630
37		2 Torque locking assembly . . . . .	9630024451
45		2 Drain plug . . . . .	9630023546
46		1 Sight glass, - standard (for ATEX pump see 'ATEX Parts') . . . . .	9630032778
47		1 Filler plug, - standard (for ATEX pump see 'ATEX Parts') . . . . .	9630018599
48		2 Plug . . . . .	9630023548
49		4 Blanking plug . . . . .	9630089949
50		2 Gland guard, - R90 / Hyclean Seal . . . . .	9630999525
		2 Gland Guard, - R90 Flushed Seal . . . . .	9630652103
		2 Gland Guard, - Hyclean Flushed Seal . . . . .	9630652059
51		4 Screw, gland guard . . . . .	9630030332
52		4 Washer, gland guard . . . . .	9630924711
53		4 Washer, gland guard . . . . .	9630924711
54		1 Foot, vertical port, AL Blue . . . . .	9630070366
56		1 Foot, horizontal port, AL Blue . . . . .	9630070368
58		2 Bolt, Foot . . . . .	9630074775



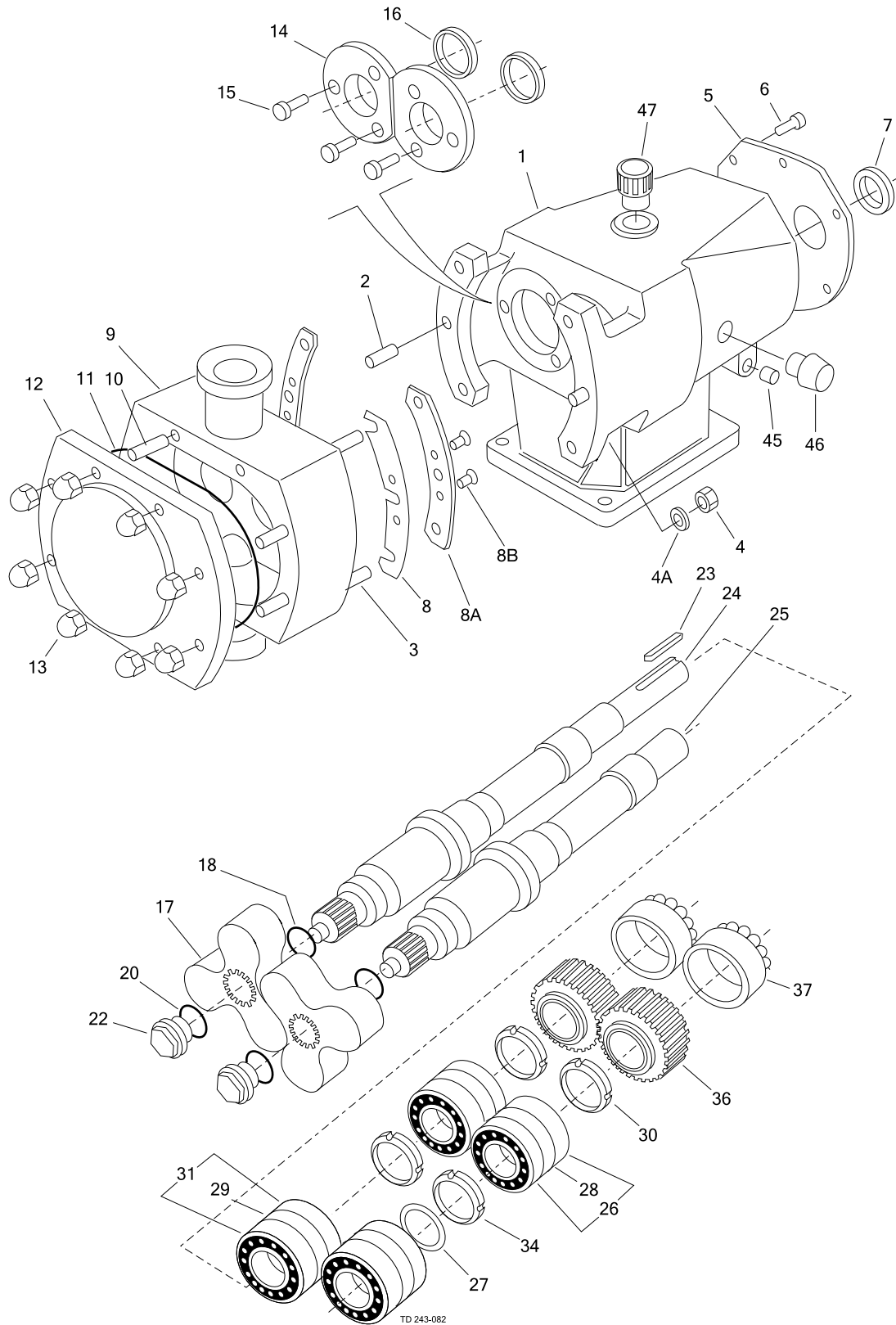
Pos	Qty	Denomination	Item No.
1	1	Gearcase, AL Blue	9630070601
2	2	Dowel	9630023461
3	4	Stud, rotorcase retention	9630052265
4	4	Nut, rotorcase retention	9630024053
4a	4	Washer, rotorcase retention	9630024236
5	1	Cover, gearcase	9630666640
6	6	Screw, gearcase cover	9630024629
7	1	Lip seal, drive end, NBR (not for ATEX)	9630023996
	1	Lip seal, drive end, FPM	9630032810
8	2	Shim, Polymex (not for ATEX)	9630033860
	2	Shim, St.Stl	9630033411
8a	2	Shim retainer	9630089544
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase	
See page -			
10	8	Stud, rotorcase/cover retention	9630019863
11	▲●	1 O-Ring, cover, - plain, NBR	9630046179
	▲●	1 O-Ring, cover, - plain, FPM	9630046180
	▲●	1 O-Ring, cover, - plain, EPDM	9630046181
	▲●	1 O-Ring, cover, - plain, PTFE	9630022526
		1 O-Ring, cover, - relief valve, NBR	9630029652
		1 O-Ring, cover, - relief valve, FPM	9630028410
		1 O-Ring, cover, - relief valve, EPDM	9630027380
		1 O-Ring, cover, - relief valveP, TFE	9630031557
12	1	Cover, rotorcase, Plain	9630046126
	1	Cover, rotorcase, Drilled for jacket	9630027765
	1	Cover, rotorcase, Relief valve	
See page			
13	8	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630026099
15	6	Screw, seal retainer	9630024629
16	2	Lip seal, gland end, NBR (not for ATEX)	9630030630
	2	Lip seal, gland end, FPM	9630032802
17	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU5/116/ LS	9630046161
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU5/116/ LS	9630047513
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU5/116/ LS	9630048057
	2	Rotor, Trilobe Stainless Steel, 20 bar 70°C, SRU5/116/ LD	9630046611
	2	Rotor, Trilobe Stainless Steel, 20 bar 130°C, SRU5/116/ LD	9630048058
	2	Rotor, Trilobe Stainless Steel, 20 bar 200°C, SRU5/116/ LD	9630048059
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU5/116/ LS	9630090615
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU5/116/ LS	9630090616
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU5/116/ LS	9630090617
	2	Rotor, Bilobe Stainless Steel, 20 bar 70°C, SRU5/116/ LD	9630090618
	2	Rotor, Bilobe Stainless Steel, 20 bar 130°C, SRU5/116/ LD	9630090619
	2	Rotor, Bilobe Stainless Steel, 20 bar 200°C, SRU5/116/ LD	9630090620
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU5/116/ LS	9630090512
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU5/116/ LS	9630090513
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU5/116/ LS	9630090514
	2	Rotor, Bilobe non-galling, 20 bar 70°C, SRU5/116/ LD	9630090515
	2	Rotor, Bilobe non-galling, 20 bar 130°C, SRU5/116/ LD	9630090516
	2	Rotor, Bilobe non-galling, 20 bar 200°C, SRU5/116/ LD	9630090517
	2	Rotor, Trilobe, NBR covered, SRU5/116	9630021349
	2	Rotor, Trilobe Stainless Steel, 7 bar 70°C, SRU5/168/ LS	9630046162
	2	Rotor, Trilobe Stainless Steel, 7 bar 130°C, SRU5/168/ LS	9630035491
	2	Rotor, Trilobe Stainless Steel, 7 bar 200°C, SRU5/168/ LS	9630048060
	2	Rotor, Trilobe Stainless Steel, 15 bar 70°C, SRU5/168/ LD	9630046607
	2	Rotor, Trilobe Stainless Steel, 15 bar 130°C, SRU5/168/ LD	9630048061
	2	Rotor, Trilobe Stainless Steel, 15 bar 200°C, SRU5/168/ LD	9630048062
	2	Rotor, Bilobe Stainless Steel, 7 bar 70°C, SRU5/168/ LS	9630090621
	2	Rotor, Bilobe Stainless Steel, 7 bar 130°C, SRU5/168/ LS	9630090622
	2	Rotor, Bilobe Stainless Steel, 7 bar 200°C, SRU5/168/ LS	9630090623
	2	Rotor, Bilobe Stainless Steel, 15 bar 70°C, SRU5/168/ LD	9630090624
	2	Rotor, Bilobe Stainless Steel, 15 bar 130°C, SRU5/168/ LD	9630090625
	2	Rotor, Bilobe Stainless Steel, 15 bar 200°C, SRU5/168/ LD	9630090626
	2	Rotor, Bilobe non-galling, 7 bar 70°C, SRU5/168/ LS	9630090518
	2	Rotor, Bilobe non-galling, 7 bar 130°C, SRU5/168/ LS	9630090519
	2	Rotor, Bilobe non-galling, 7 bar 200°C, SRU5/168/ LS	9630090520
	2	Rotor, Bilobe non-galling, 15 bar 70°C, SRU5/168/ LD	9630090521
	2	Rotor, Bilobe non-galling, 15 bar 130°C, SRU5/168/ LD	9630090522
	2	Rotor, Bilobe non-galling, 15 bar 200°C, SRU5/168/ LD	9630090523
	2	Rotor, Trilobe, NBR covered, SRU5/168	9630022562



Pos	Qty	Denomination	Item No.
18	▲● 2	O-Ring, rotor sealing shaft end, (St.Stl rotor) NBR	9630037151
	▲● 2	O-Ring, rotor sealing shaft end, (St.Stl rotor) FPM	9630037153
	▲● 2	O-Ring, rotor sealing shaft end, (St.Stl rotor) EPDM	9630037150
	▲● 2	O-Ring, rotor sealing shaft end, (St.Stl rotor) PTFE	9630037154
19	▲● 2	O-Ring, rotor sealing shaft end, (NBR covered rotor) NBR	9630023523
	▲● 2	O-Ring, rotor sealing shaft end, (NBR covered rotor) FPM	9630027378
	▲● 2	O-Ring, rotor sealing shaft end, (NBR covered rotor) EPDM	9630032653
20	▲● 2	O-Ring, rotor sealing nut end, NBR	9630037146
	▲● 2	O-Ring, rotor sealing nut end, FPM	9630037148
	▲● 2	O-Ring, rotor sealing nut end, EPDM	9630037145
	▲● 2	O-Ring, rotor sealing nut end, PTFE	9630037149
22	2	Nut, rotor retention, SRU5/116	9630046134
	2	Nut, rotor retention, SRU5/168	9630046142
23	1	Key	9630023940
24	1	Shaft, drive, (St.Stl) R90	9630031107
	1	Shaft, drive, (St.Stl) Hyclean	9630046284
	1	Shaft, drive, (Duplex) R90	9630031111
	1	Shaft, drive, (Duplex) Hyclean	9630046280
25	1	Shaft, auxiliary, (St.Stl) R90	9630031109
	1	Shaft, auxiliary, (St.Stl) Hyclean	9630046271
	1	Shaft, auxiliary, (Duplex) R90	9630031110
	1	Shaft, auxiliary, (Duplex) Hyclean	9630046273
26	4	Bearing, rear	9630029034
27	1	Spacer, shaft abutment	9630035209
28	2	Spacer, bearing drive end	9630031175
29	2	Spacer, bearing gland end	9630031133
30	2	Nut, bearing rear	9630024100
31	4	Bearing, front	9630029036
34	2	Nut, bearing front	9630029139
36	2	Timing gear	9630031162
37	2	Torque locking assembly	9630024455
45	7	Drain plug	9630023548
46	1	Sight glass	9630032778
47	1	Filler plug	9630018599
50	2	Gland guard, - R90 / Hyclean Seal	9630651524
	2	Gland guard, - R90 Flushed Seal	9630652104
	2	Gland Guard, - Hyclean Flushed Seal	9630652060
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070568
56	1	Foot, horizontal port	9630070567
58	4	Bolt, foot	9630038966

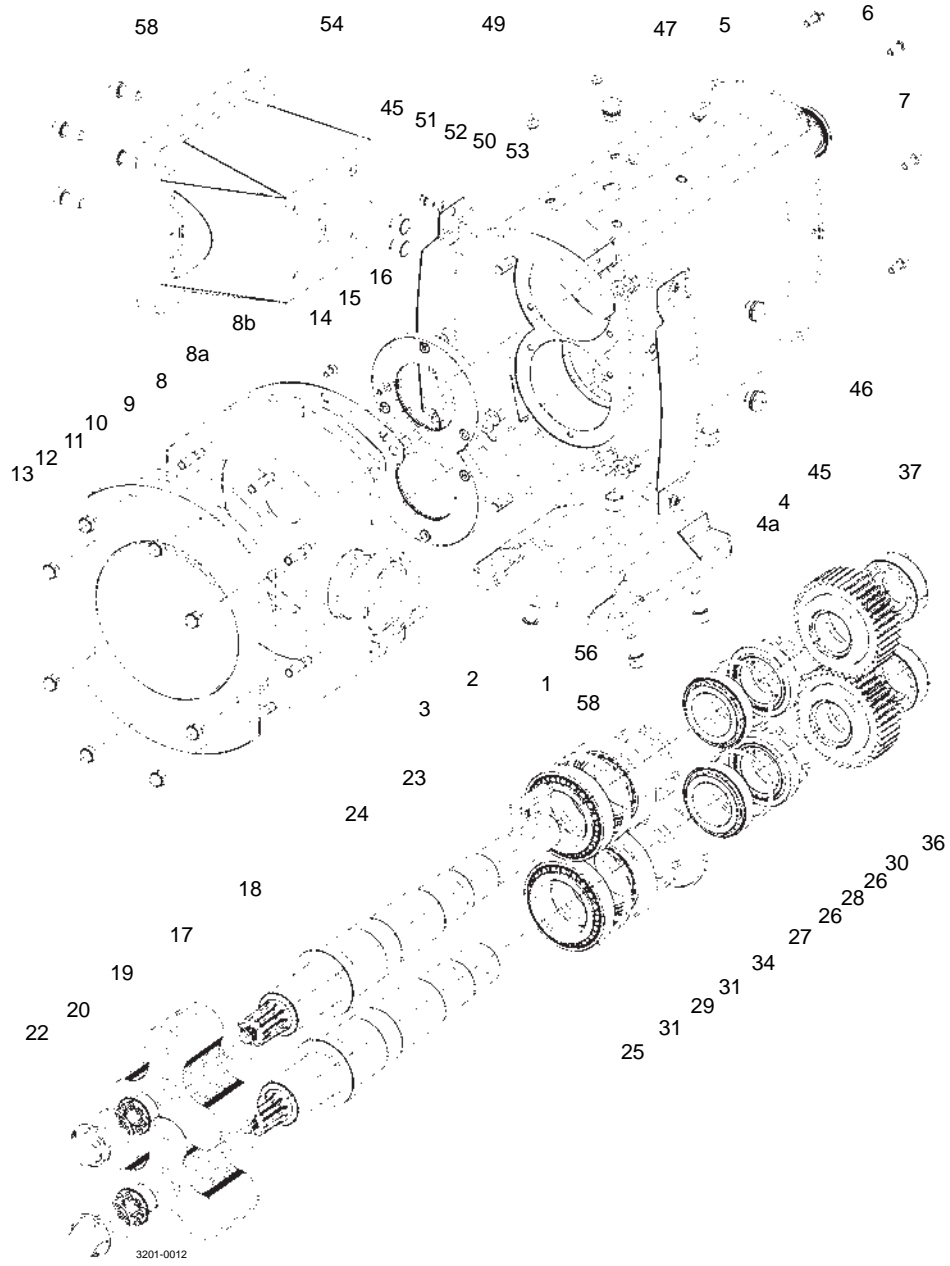


Pos	Qty	Denomination	Reference Part	
			No.	Item No.
1	1	Gearcase, AL Blue	5220.355.00	9630101616
2	2	Dowel	5170.010	9630023461
3	4	Stud, rotorcase retention	6350.138	9630052265
4	4	Nut, rotorcase retention	5330.001	9630024053
4a	4	Washer, rotorcase retention	6400.038	9630024236
5	1	Cover, gearcase	5120.165	9630072515
6	5	Screw, gearcase cover	5990.030	9630024629
7	1	Lip seal, drive end, NBR (not for ATEX)	5310.012	9630023996
	1	Lip seal, drive end, FPM	5310.082	9630032810
8	1	Shim set, Polymex (not for ATEX)	6150.158	9630033860
	1	Shim set, St.Stl	6150.159	9630033411
8a	2	Shim retainer	6150.315	9630089544
8b	4	Screw, shim retainer	6000.010	9630050533
9	1	Rotorcase		
See page -				
10	8	Stud, rotorcase/cover retention	6350.104	9630019863
11	1	O-Ring, cover - plain, NBR	1550.273	9630046179
	1	O-Ring, cover - plain, FPM	1551.273	9630046180
	1	O-Ring, cover - plain, EPDM	1555.273	9630046181
	1	O-Ring, cover - plain, PTFE	1552.273	9630022526
	1	O-Ring, cover - relief valve, NBR	1550.274	9630029652
	1	O-Ring, cover - relief valve, FPM	1551.274	9630028410
	1	O-Ring, cover - relief valve, EPDM	1555.274	9630027380
	1	O-Ring, cover - relief valve, PTFE	1552.274	9630031557
12	1	Cover, rotorcase, Plain	5130.315	9630046126
	1	Cover, rotorcase, Drilled for jacket	5130.335	9630027765
	1	Cover, rotorcase, Relief valve		
See page				
13	8	Dome nut, rotorcase cover	5340.047	9630029651
14	2	Retainer, seal	5560.036	9630026099
15	6	Screw, seal retainer	5990.030	9630024629
16	2	Lip seal, gland end, NBR (not for ATEX)	5310.043	9630030630
	2	Lip seal, gland end, FPM	5310.076	9630032802
17	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU5/116/ HS	5740.116D	9630046161
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU5/116/ HS	5740.116E	9630047513
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU5/116/ HS	5740.116F	9630048057
	2	Rotor, Trilobe Stainless Steel, 20 bar 70°C, SRU5/116/ HD	5740.116K	9630046611
	2	Rotor, Trilobe Stainless Steel, 20 bar 130°C, SRU5/116/ HD	5740.116L	9630048058
	2	Rotor, Trilobe Stainless Steel, 20 bar 200°C, SRU5/116/ HD	5740.116M	9630048059
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU5/116/ HS	5741.116D	9630090615
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU5/116/ HS	5741.116E	9630090616
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU5/116/ HS	5741.116F	9630090617
	2	Rotor, Bilobe Stainless Steel, 20 bar 70°C, SRU5/116/ HD	5741.116K	9630090618
	2	Rotor, Bilobe Stainless Steel, 20 bar 130°C, SRU5/116/ HD	5741.116L	9630090619
	2	Rotor, Bilobe Stainless Steel, 20 bar 200°C, SRU5/116/ HD	5741.116M	9630090620
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU5/116/ HS	5761.116D	9630090512
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU5/116/ HS	5761.116E	9630090513
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU5/116/ HS	5761.116F	9630090514
	2	Rotor, Bilobe non-galling, 20 bar 70°C, SRU5/116/ HD	5761.116K	9630090515
	2	Rotor, Bilobe non-galling, 20 bar 130°C, SRU5/116/ HD	5761.116L	9630090516
	2	Rotor, Bilobe non-galling, 20 bar 200°C, SRU5/116/ HD	5761.116M	9630090517
	2	Rotor, Trilobe, NBR covered, SRU5/116	5722.116	9630021349
	2	Rotor, Trilobe Stainless Steel, 7 bar 70°C, SRU5/168/ HS	5740.168D	9630046162
	2	Rotor, Trilobe Stainless Steel, 7 bar 130°C, SRU5/168/ HS	5740.168E	9630035491
	2	Rotor, Trilobe Stainless Steel, 7 bar 200°C, SRU5/168/ HS	5740.168F	9630048060
	2	Rotor, Trilobe Stainless Steel, 15 bar 70°C, SRU5/168/ HD	5740.168K	9630046607
	2	Rotor, Trilobe Stainless Steel, 15 bar 130°C, SRU5/168/ HD	5740.168L	9630048061
	2	Rotor, Trilobe Stainless Steel, 15 bar 200°C, SRU5/168/ HD	5740.168M	9630048062
	2	Rotor, Bilobe Stainless Steel, 7 bar 70°C, SRU5/168/ HS	5741.168D	9630090621
	2	Rotor, Bilobe Stainless Steel, 7 bar 130°C, SRU5/168/ HS	5741.168E	9630090622
	2	Rotor, Bilobe Stainless Steel, 7 bar 200°C, SRU5/168/ HS	5741.168F	9630090623
	2	Rotor, Bilobe Stainless Steel, 15 bar 70°C, SRU5/168/ HD	5741.168K	9630090624
	2	Rotor, Bilobe Stainless Steel, 15 bar 130°C, SRU5/168/ HD	5741.168L	9630090625
	2	Rotor, Bilobe Stainless Steel, 15 bar 200°C, SRU5/168/ HD	5741.168M	9630090626
	2	Rotor, Bilobe non-galling, 7 bar 70°C, SRU5/168/ HS	5761.168D	9630090518
	2	Rotor, Bilobe non-galling, 7 bar 130°C, SRU5/168/ HS	5761.168E	9630090519
	2	Rotor, Bilobe non-galling, 7 bar 200°C, SRU5/168/ HS	5761.168F	9630090520
	2	Rotor, Bilobe non-galling, 15 bar 70°C, SRU5/168/ HD	5761.168K	9630090521
	2	Rotor, Bilobe non-galling, 15 bar 130°C, SRU5/168/ HD	5761.168L	9630090522
	2	Rotor, Bilobe non-galling, 15 bar 200°C, SRU5/168/ HD	5761.168M	9630090523
	2	Rotor, Trilobe, NBR covered, SRU5/168	5722.168	9630022562

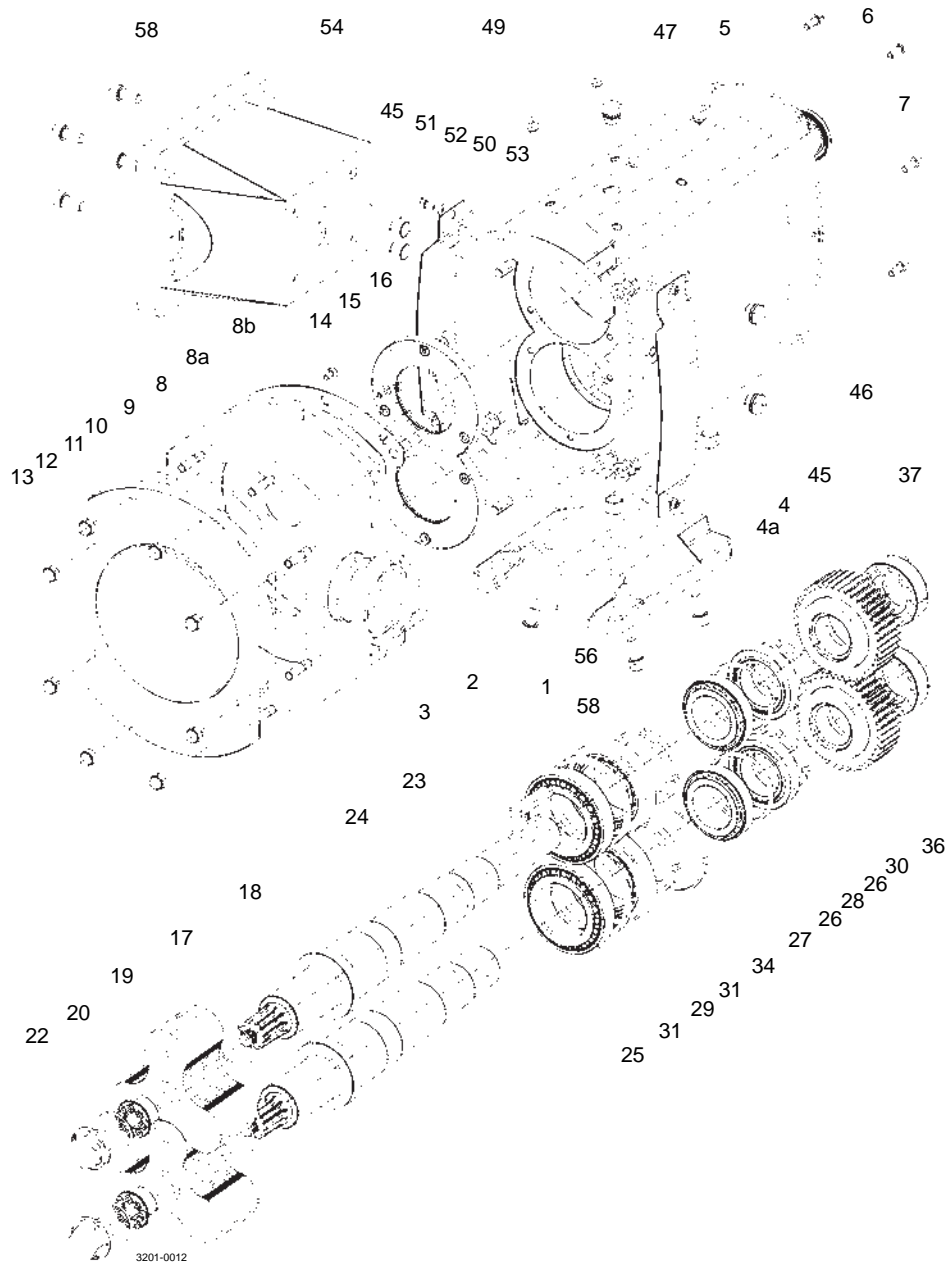




Pos	Qty	Denomination	Reference Part	
			No.	Item No.
18	2	O-Ring, rotor sealing shaft end (St.Stl rotor), NBR	1550.135	9630037151
	2	O-Ring, rotor sealing shaft end (St.Stl rotor), FPM	1551.135	9630037153
	2	O-Ring, rotor sealing shaft end (St.Stl rotor), EPDM	1555.135	9630037150
	2	O-Ring, rotor sealing shaft end (St.Stl rotor), PTFE	1558.135	9630037154
	2	O-Ring, rotor sealing shaft end (NBR covered rotor), NBR	5380.263	9630023523
	2	O-Ring, rotor sealing shaft end (NBR covered rotor), FPM	5380.273	9630027378
20	2	O-Ring, rotor sealing shaft end (NBR covered rotor), EPDM	5380.306	9630032653
	2	O-Ring, rotor sealing nut end, NBR	1550.133	9630037146
	2	O-Ring, rotor sealing nut end, FPM	1551.133	9630037148
	2	O-Ring, rotor sealing nut end, EPDM	1555.133	9630037145
22	2	O-Ring, rotor sealing nut end, PTFE	1558.133	9630037149
	2	Nut, rotor retention, SRU5/116	5900.169	9630046134
23	2	Nut, rotor retention, SRU5/168	5900.170	9630046142
23	1	Key	5270.013	9630023940
24	1	Shaft, drive (St.Stl), R90	6110.551	9630031107
	1	Shaft, drive (St.Stl), Hyclean	6110.659	9630046284
	1	Shaft, drive (Duplex), R90	6110.558	9630031111
	1	Shaft, drive (Duplex), Hyclean	6110.663	9630046280
25	1	Shaft, auxiliary (St.Stl), R90	6100.551	9630031109
	1	Shaft, auxiliary (St.Stl), Hyclean	6100.659	9630046271
	1	Shaft, auxiliary (Duplex), R90	6100.558	9630031110
	1	Shaft, auxiliary (Duplex), Hyclean	6100.663	9630046273
26	4	Bearing, rear	5080.015	9630029034
27	1	Spacer, shaft abutment	5670.067.01	9630035209
28	2	Spacer, bearing drive end	5670.049	9630031175
29	2	Spacer, bearing gland end	5670.051	9630031133
30	2	Nut, bearing rear	5340.035	9630024100
31	4	Bearing, front	5080.017	9630029036
34	2	Nut, bearing front	5340.045	9630029139
36	2	Timing gear	5210.034	9630031162
37	2	Torque locking assembly	5615.005	9630024455
45	1	Drain plug	1660.008	9630023548
46	1	Sight glass - standard (for ATEX pump see 'ATEX Parts')	5480.001	9630032778
47	1	Filler plug - standard (for ATEX pump see 'ATEX Parts')	31491.0052.1	9630018599
48	1	Plug	1660.008	9630023548
50	1	Gland guard, upper - standard (for ATEX pump see 'ATEX Parts')	5243.115	9630089888
50a	1	Gland guard, lower - standard (for ATEX pump see 'ATEX Parts')	5243.117	9630090985
51	3	Screw, gland guard	5990.066	9630028936
52	3	Washer, gland guard	6400.036	9630024231
53	3	Washer, gland guard	31499.5903.3	9630039001

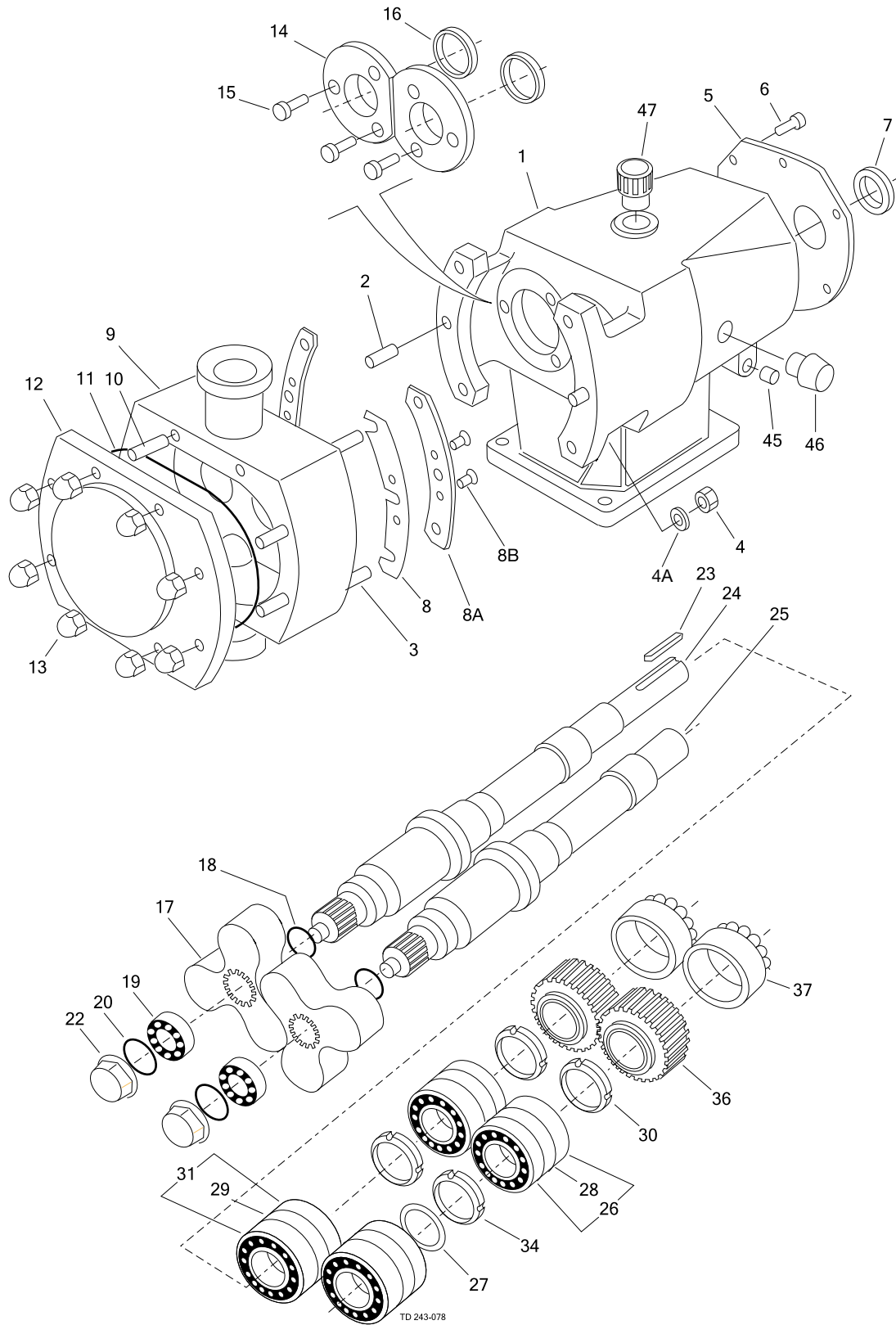


Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630070602
2	2	Dowel	9630023467
3	4	Stud, rotorcase retention	9630052267
4	4	Nut, rotorcase retention	9630024055
4a	4	Washer, rotorcase retention	9630024238
5	1	Cover, gearcase	9630666641
6	6	Screw, gearcase cover	9630024629
7	1	Lip seal, drive end, NBR (not for ATEX)	9630030625
	1	Lip seal, drive end, FPM	9630032798
8	2	Shim, Polymex (not for ATEX)	9630033391
	2	Shim, St.Stl	9630033392
8a	2	Shim retainer	9630051782
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase	
See page -			
10	8	Stud, rotorcase/cover retention	9630030574
11	▲●	O-Ring, cover, - plain, NBR	9630046182
	▲●	O-Ring, cover, - plain, FPM	9630046183
	▲●	O-Ring, cover, - plain, EPDM	9630046185
	▲●	O-Ring, cover, - plain, PTFE	9630046184
	1	O-Ring, cover, - relief valve, NBR	9630030494
	1	O-Ring, cover, - relief valve, FPM	9630027458
	1	O-Ring, cover, - relief valve, EPDM	9630026948
	1	O-Ring, cover, - relief valve, PTFE	9630031559
12	1	Cover, rotorcase, Plain	9630046128
	1	Cover, rotorcase, For rectangular inlet	9630052945
	1	Cover, rotorcase, Drilled for jacket	9630027763
	1	Cover, rotorcase, Relief valve	
See page			
13	8	Dome nut, rotorcase cover	9630024088
14	2	Retainer, seal	9630026103
15	6	Screw, seal retainer	9630024629
16	2	Lip seal, gland end, NBR (not for ATEX)	9630030631
	2	Lip seal, gland end, FPM	9630032803
17	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU6/260/ LS	9630088940
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU6/260/ LS	9630088964
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU6/260/ LS	9630088965
	2	Rotor, Trilobe Stainless Steel, 20 bar 70°C, SRU6/260/ LD	9630088966
	2	Rotor, Trilobe Stainless Steel, 20 bar 130°C, SRU6/260/ LD	9630088967
	2	Rotor, Trilobe Stainless Steel, 20 bar 200°C, SRU6/260/ LD	9630088968
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU6/260/ LS	9630089843
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU6/260/ LS	9630090627
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU6/260/ LS	9630090628
	2	Rotor, Bilobe Stainless Steel, 20 bar 70°C, SRU6/260/ LD	9630090629
	2	Rotor, Bilobe Stainless Steel, 20 bar 130°C, SRU6/260/ LD	9630090630
	2	Rotor, Bilobe Stainless Steel, 20 bar 200°C, SRU6/260/ LD	9630090631
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU6/260/ LS	9630090549
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU6/260/ LS	9630090550
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU6/260/ LS	9630090551
	2	Rotor, Bilobe non-galling, 20 bar 70°C, SRU6/260/ LD	9630090552
	2	Rotor, Bilobe non-galling, 20 bar 130°C, SRU6/260/ LD	9630090553
	2	Rotor, Bilobe non-galling, 20 bar 200°C, SRU6/260/ LD	9630090554
	2	Rotor, Trilobe Stainless Steel, 7 bar 70°C, SRU6/353/ LS	9630046164
	2	Rotor, Trilobe Stainless Steel, 7 bar 130°C, SRU6/353/ LS	9630021847
	2	Rotor, Trilobe Stainless Steel, 7 bar 200°C, SRU6/353/ LS	9630049090
	2	Rotor, Trilobe Stainless Steel, 15 bar 70°C, SRU6/353/ LD	9630048560
	2	Rotor, Trilobe Stainless Steel, 15 bar 130°C, SRU6/353/ LD	9630020871
	2	Rotor, Trilobe Stainless Steel, 15 bar 200°C, SRU6/353/ LD	9630057067
	2	Rotor, Bilobe Stainless Steel, 7 bar 70°C, SRU6/353/ LS	9630090632
	2	Rotor, Bilobe Stainless Steel, 7 bar 130°C	9630090633
	2	Rotor, Bilobe Stainless Steel, 7 bar 200°C, SRU6/353/ LS	9630090634
	2	Rotor, Bilobe Stainless Steel, 15 bar 70°C, SRU6/353/ LD	9630090635
	2	Rotor, Bilobe Stainless Steel, 15 bar 130°C, SRU6/353/ LD	9630090636
	2	Rotor, Bilobe Stainless Steel, 15 bar 200°C, SRU6/353/ LD	9630090637
	2	Rotor, Bilobe non-galling, 7 bar 70°C, SRU6/353/ LS	9630090532
	2	Rotor, Bilobe non-galling, 7 bar 130°C, SRU6/353/ LS	9630090533
	2	Rotor, Bilobe non-galling, 7 bar 200°C, SRU6/353/ LS	9630090534
	2	Rotor, Bilobe non-galling, 15 bar 70°C, SRU6/353/ LD	9630090535
	2	Rotor, Bilobe non-galling, 15 bar 130°C, SRU6/353/ LD	9630090536
	2	Rotor, Bilobe non-galling, 15 bar 200°C, SRU6/353/ LD	9630090537
	2	Rotor, Trilobe, NBR covered, SRU6/353	9630029892

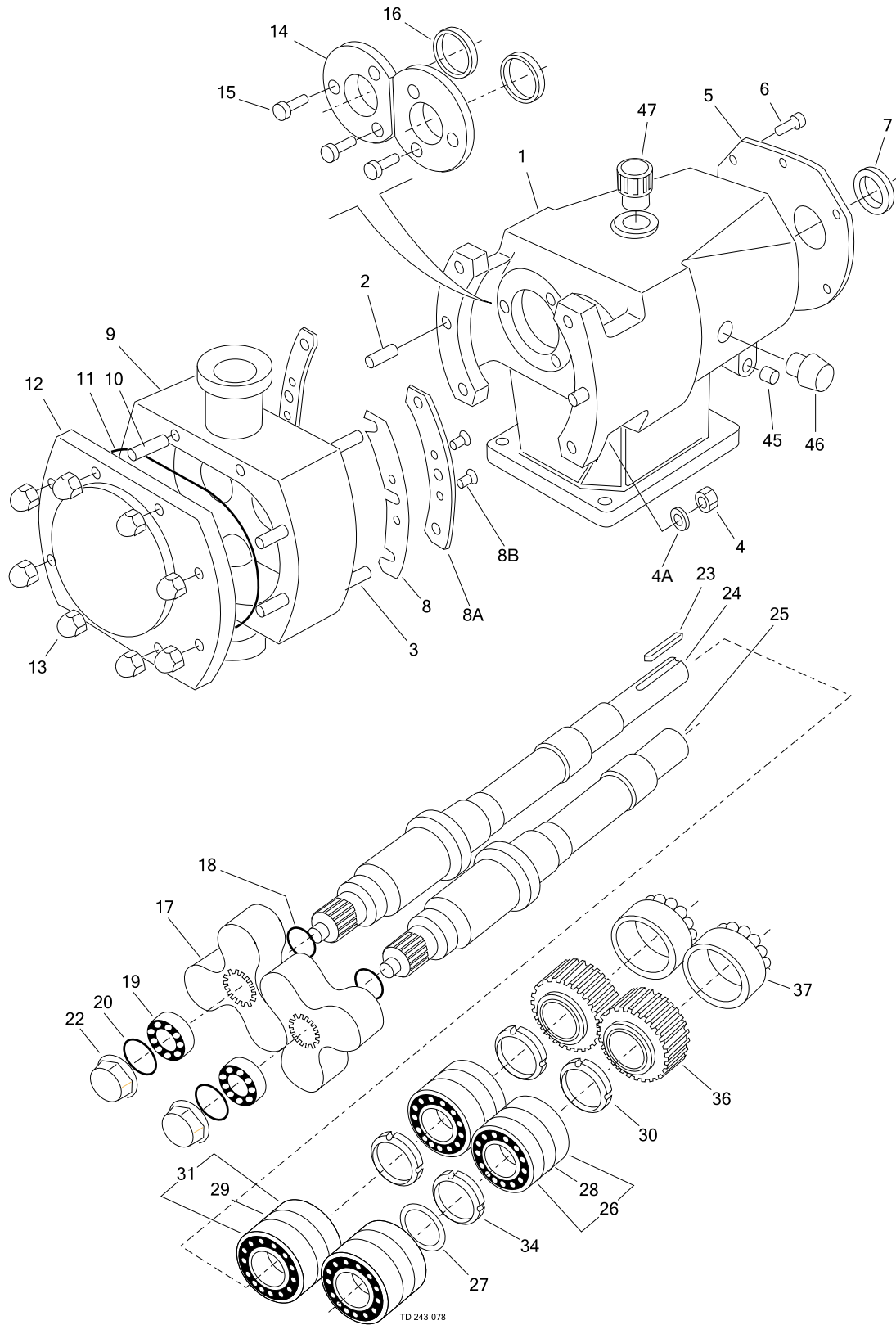


Pos	Qty	Denomination	Item No.
18	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) NBR	9630046199
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) FPM	9630046200
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) EPDM	9630046201
	▲●	2 O-Ring, rotor sealing shaft end, (St.Stl rotor) PTFE	9630046202
19	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) NBR	9630024124
	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) FPM	9630024125
	▲●	2 O-Ring, rotor sealing shaft end, (NBR covered rotor) EPDM	9630024196
		2 Torque locking assembly	9630029039
20	▲●	2 O-Ring, rotor sealing nut end, NBR	9630046199
	▲●	2 O-Ring, rotor sealing nut end, FPM	9630046200
	▲●	2 O-Ring, rotor sealing nut end, EPDM	9630046201
	▲●	2 O-Ring, rotor sealing nut end, PTFE	9630046202
22		2 Nut, rotor retention, SRU6/260	9630046136
		2 Nut, rotor retention, SRU6/353	9630046144
23		1 Key	9630023940
24		1 Shaft, drive, (St.Stl) R90	9630030811
		1 Shaft, drive, (St.Stl) Hyclean	9630048167
		1 Shaft, drive, (Duplex) R90	9630030814
		1 Shaft, drive, (Duplex) Hyclean	9630048168
25		1 Shaft, auxiliary, (St.Stl) R90	9630030813
		1 Shaft, auxiliary, (St.Stl) Hyclean	9630048162
		1 Shaft, auxiliary, (Duplex) R90	9630030815
		1 Shaft, auxiliary, (Duplex) Hyclean	9630048163
26		4 Bearing, rear	9630029036
27		1 Spacer, shaft abutment	9630034661
28		2 Spacer, bearing drive end	9630031133
29		2 Spacer, bearing gland end	9630031135
30		2 Nut, bearing rear	9630029139
31		4 Bearing, front	9630029038
34		2 Nut, bearing front	9630029140
36		2 Timing gear	9630030718
37		2 Torque locking assembly	9630024455
45		7 Drain plug	9630023548
46		1 Sight glass	9630032778
47		1 Filler plug	9630018599
50		2 Gland guard, - R90 / Hyclean Seal	9630651525
		2 Gland guard, - R90 Flushed Seal	9630652105
		2 Gland Guard, - Hyclean Flushed Seal	9630652061
51		4 Screw, gland guard	9630030332
52		4 Washer, gland guard	9630030121
53		4 Washer, gland guard	9630924711
54		1 Foot, vertical port	9630070572
56		1 Foot, horizontal port	9630070571
58		4 Bolt, foot	9630038966

900709/1



Pos	Qty	Denomination	Reference Part	
			No.	Item No.
1	1	Gearcase, AL Blue	5220.329.46	9630086308
2	2	Dowel	5170.011	9630023467
3	4	Stud, rotorcase retention	6350.139	9630052267
4	4	Nut, rotorcase retention	5330.002	9630024055
4a	4	Washer, rotorcase retention	6400.041	9630024238
5	1	Cover, gearcase	5120.150	9630058651
6	5	Screw, gearcase cover	5990.030	9630024629
7	1	Lip seal, drive end, NBR (not for ATEX)	5310.039	9630030625
	1	Lip seal, drive end, FPM	5310.072	9630032798
8	1	Shim set, Polymex (not for ATEX)	6150.160	9630033391
	1	Shim set, St.Stl	6151.161	9630033392
8a	2	Shim retainer	6150.266	9630051782
8b	4	Screw, shim retainer	6000.010	9630050533
9	1	Rotorcase		
See page -				
10	8	Stud, rotorcase/cover retention	6350.098	9630030574
11	1	O-Ring, cover - plain, NBR	1550.277	9630046182
	1	O-Ring, cover - plain, FPM	1551.277	9630046183
	1	O-Ring, cover - plain, EPDM	1555.277	9630046185
	1	O-Ring, cover - plain, PTFE	1552.277	9630046184
	1	O-Ring, cover - relief valve, NBR	5380.210	9630030494
	1	O-Ring, cover - relief valve, FPM	5380.276	9630027458
	1	O-Ring, cover - relief valve, EPDM	5380.278	9630026948
	1	O-Ring, cover - relief valve, PTFE	5380.266	9630031559
12	1	Cover, rotorcase, Plain	5130.316	9630046128
	1	Cover, rotorcase, For rectangular inlet	5130.346	9630052945
	1	Cover, rotorcase, Drilled for jacket	5130.336	9630027763
13	8	Dome nut, rotorcase cover	5340.022	9630024088
14	2	Retainer, seal	5560.037	9630026103
15	6	Screw, seal retainer	5990.030	9630024629
16	2	Lip seal, gland end, NBR (not for ATEX)	5310.044	9630030631
	2	Lip seal, gland end, FPM	5310.077	9630032803
17	2	Rotor, Trilobe Stainless Steel, 10 bar 70°C, SRU6/260/ HS	5740.260D	9630088940
	2	Rotor, Trilobe Stainless Steel, 10 bar 130°C, SRU6/260/ HS	5740.260E	9630088964
	2	Rotor, Trilobe Stainless Steel, 10 bar 200°C, SRU6/260/ HS	5740.260F	9630088965
	2	Rotor, Trilobe Stainless Steel, 20 bar 70°C, SRU6/260/ HD	5740.260K	9630088966
	2	Rotor, Trilobe Stainless Steel, 20 bar 130°C, SRU6/260/ HD	5740.260L	9630088967
	2	Rotor, Trilobe Stainless Steel, 20 bar 200°C, SRU6/260/ HD	5740.260M	9630088968
	2	Rotor, Bilobe Stainless Steel, 10 bar 70°C, SRU6/260/ HS	5741.260D	9630089843
	2	Rotor, Bilobe Stainless Steel, 10 bar 130°C, SRU6/260/ HS	5741.260E	9630090627
	2	Rotor, Bilobe Stainless Steel, 10 bar 200°C, SRU6/260/ HS	5741.260F	9630090628
	2	Rotor, Bilobe Stainless Steel, 20 bar 70°C, SRU6/260/ HD	5741.260K	9630090629
	2	Rotor, Bilobe Stainless Steel, 20 bar 130°C, SRU6/260/ HD	5741.260L	9630090630
	2	Rotor, Bilobe Stainless Steel, 20 bar 200°C, SRU6/260/ HD	5741.260M	9630090631
	2	Rotor, Bilobe non-galling, 10 bar 70°C, SRU6/260/ HS	5761.260D	9630090549
	2	Rotor, Bilobe non-galling, 10 bar 130°C, SRU6/260/ HS	5761.260E	9630090550
	2	Rotor, Bilobe non-galling, 10 bar 200°C, SRU6/260/ HS	5761.260F	9630090551
	2	Rotor, Bilobe non-galling, 20 bar 70°C, SRU6/260/ HD	5761.260K	9630090552
	2	Rotor, Bilobe non-galling, 20 bar 130°C, SRU6/260/ HD	5761.260L	9630090553
	2	Rotor, Bilobe non-galling, 20 bar 200°C, SRU6/260/ HD	5761.260M	9630090554
	2	Rotor, Trilobe Stainless Steel, 7 bar 70°C, SRU6/353/ HS	5740.353D	9630046164
	2	Rotor, Trilobe Stainless Steel, 7 bar 130°C, SRU6/353/ HS	5740.353E	9630021847
	2	Rotor, Trilobe Stainless Steel, 7 bar 200°C, SRU6/353/ HS	5740.353F	9630049090
	2	Rotor, Trilobe Stainless Steel, 15 bar 70°C, SRU6/353/ HD	5740.353K	9630048560
	2	Rotor, Trilobe Stainless Steel, 15 bar 130°C, SRU6/353/ HD	5740.353L	9630020871
	2	Rotor, Trilobe Stainless Steel, 15 bar 200°C, SRU6/353/ HD	5740.353M	9630057067





Pos	Qty	Denomination	Reference Part	
			No.	Item No.
18	2	O-Ring, rotor sealing shaft end (St.Stl rotor), NBR	1550.143	9630046199
	2	O-Ring, rotor sealing shaft end (St.Stl rotor), FPM	1551.143	9630046200
	2	O-Ring, rotor sealing shaft end (St.Stl rotor), EPDM	1555.143	9630046201
	2	O-Ring, rotor sealing shaft end (St.Stl rotor), PTFE	1558.143	9630046202
	2	O-Ring, rotor sealing shaft end (NBR covered rotor), NBR	5380.025	9630024124
	2	O-Ring, rotor sealing shaft end (NBR covered rotor), FPM	5380.026	9630024125
19	2	O-Ring, rotor sealing shaft end (NBR covered rotor), EPDM	5380.079	9630024196
	2	Torque locking assembly	5615.014	9630029039
20	2	O-Ring, rotor sealing nut end, NBR	1550.143	9630046199
	2	O-Ring, rotor sealing nut end, FPM	1551.143	9630046200
	2	O-Ring, rotor sealing nut end, EPDM	1555.143	9630046201
	2	O-Ring, rotor sealing nut end, PTFE	1558.143	9630046202
22	2	Nut, rotor retention, SRU6/260	5900.171	9630046136
	2	Nut, rotor retention, SRU6/353	5900.172	9630046144
23	1	Key	5270.013	9630023940
24	1	Shaft, drive (St.Stl), R90	6110.553	9630030811
	1	Shaft, drive (St.Stl), Hyclean	6110.708	9630048167
	1	Shaft, drive (Duplex), R90	6110.559	9630030814
	1	Shaft, drive (Duplex), Hyclean	6110.709	9630048168
25	1	Shaft, auxiliary (St.Stl), R90	6100.553	9630030813
	1	Shaft, auxiliary (St.Stl), Hyclean	6100.708	9630048162
	1	Shaft, auxiliary (Duplex), R90	6100.559	9630030815
	1	Shaft, auxiliary (Duplex), Hyclean	6100.709	9630048163
26	4	Bearing, rear	5080.017	9630029036
27	1	Spacer, shaft abutment	5670.068.01	9630034661
28	2	Spacer, bearing drive end	5670.051	9630031133
29	2	Spacer, bearing gland end	5670.053	9630031135
30	2	Nut, bearing rear	5340.045	9630029139
31	4	Bearing, front	5080.019	9630029038
34	2	Nut, bearing front	5340.046	9630029140
36	2	Timing gear	5210.035	9630030718
37	2	Torque locking assembly	5615.005	9630024455
45	1	Drain plug	1660.008	9630023548
46	1	Sight glass - standard (for ATEX pump see 'ATEX Parts')	5480.001	9630032778
47	1	Filler plug - standard (for ATEX pump see 'ATEX Parts')	31491.0052.1	9630018599
48	1	Plug	1660.008	9630023548
50	1	Gland guard, upper - standard (for ATEX pump see 'ATEX Parts')	5243.116	9630089889
50a	1	Gland guard, lower - standard (for ATEX pump see 'ATEX Parts')	5243.118	9630090986
51	3	Screw, gland guard	5990.066	9630028936
52	3	Washer, gland guard	6400.036	9630024231
53	3	Washer, gland guard	31499.5903.3	9630039001

1.4

Pos	Qty	Denomination	SRU1/005 Item No.	SRU1/008 Item No.
		Port Standard BSP, Size: 1" / 25 mm	9630035253	9630094184
		Port Standard BSP, Size: 1½" / 40 mm		9630041361
		Port Standard BSPT, Size: 1" / 25 mm	9630047685	9630100140
		Port Standard BSPT, Size: 1½" / 40 mm		9630049263
		Port Standard DIN11851, Size: 1" / 25 mm	9630035408	9630091092
		Port Standard DIN11851, Size: 1½" / 40 mm		9630044839
		Port Standard ISS/IDF, Size: 1" / 25 mm	9630041360	9630091094
		Port Standard ISS/IDF, Size: 1½" / 40 mm		9630032114
		Port Standard NPT, Size: 1" / 25 mm		9630025360
		Port Standard NPT, Size: 1½" / 40 mm		9630041025
		Port Standard RDG, Size: 1" / 25 mm	9630036912	9630095526
		Port Standard RDG, Size: 1½" / 40 mm		9630045960
		Port Standard RJT, Size: 1" / 25 mm	9630040936	9630090682
		Port Standard RJT, Size: 1½" / 40 mm		9630027464
		Port Standard SMS, Size: 1" / 25 mm	9630048554	9630091095
		Port Standard SMS, Size: 1½" / 40 mm		9630035482
		Port Standard SMS FS, Size: 1" / 25 mm	9630042643	
		Port Standard SMS FS, Size: 1½" / 40 mm		9630040688
		Port Standard Tri-clamp (BS4825), Size: 1" / 25 mm	9630034317	9630091096
		Port Standard Tri-clamp (BS4825), Size: 1½" / 40 mm		9630035370
		Port Standard ASA/ANSI 150RF, Size: 1" / 25 mm	9630040467	9630091608
		Port Standard ASA/ANSI 150RF, Size: 1½" / 40 mm		9630032891
		Port Standard BS10E, Size: 1" / 25 mm	9630042822	
		Port Standard BS10E, Size: 1½" / 40 mm		9630045877
		Port Standard BS4504/DIN2533, Size: 1" / 25 mm	9630046881	9630096325
		Port Standard BS4504/DIN2533, Size: 1½" / 40 mm		9630039966

Pos	Qty	Denomination	SRU2/013 Item No.	SRU2/018 Item No.
		Port Standard BSP, Size: 1", 25 mm	9630097142	
		Port Standard BSP, Size: 1½", 40 mm	9630035254	9630038875
		Port Standard BSP, Size: 2", 50 mm		9630035255
		Port Standard BSPT, Size: 1", 25 mm	9630096197	
		Port Standard BSPT, Size: 1½", 40 mm	9630042160	
		Port Standard BSPT, Size: 2", 50 mm		9630041917
		Port Standard DIN11851, Size: 1", 25 mm	9630091135	
		Port Standard DIN11851, Size: 1½", 40 mm	9630041522	9630047060
		Port Standard DIN11851, Size: 2", 50 mm		9630044840
		Port Standard ISS/IDF, Size: 1", 25 mm	9630091136	
		Port Standard ISS/IDF, Size: 1½", 40 mm	9630045665	9630051111
		Port Standard ISS/IDF, Size: 2", 50 mm		9630034882
		Port Standard NPT, Size: 1½", 40 mm	9630035134	
		Port Standard NPT, Size: 2", 50 mm		9630043302
		Port Standard RDG, Size: 1", 25 mm	9630096259	
		Port Standard RDG, Size: 1½", 40 mm	9630041390	9630096262
		Port Standard RDG, Size: 2", 50 mm		9630040515
		Port Standard RJT, Size: 1", 25 mm	9630090684	
		Port Standard RJT, Size: 1½", 40 mm	9630039020	9630049667
		Port Standard RJT, Size: 2", 50 mm		9630042855
		Port Standard SMS, Size: 1", 25 mm	9630091137	
		Port Standard SMS, Size: 1½", 40 mm	9630039494	9630047840
		Port Standard SMS, Size: 2", 50 mm		9630035191
		Port Standard SMS FS, Size: 1½", 40 mm	9630040685	
		Port Standard SMS FS, Size: 2", 50 mm		9630042901
		Port Standard Tri-clamp (BS4825), Size: 1", 25 mm	9630091138	
		Port Standard Tri-clamp (BS4825), Size: 1½", 40 mm	9630034319	9630050076
		Port Standard Tri-clamp (BS4825), Size: 2", 50 mm		9630034323
		Port Standard ASA/ANSI 150RF, Size: 1", 25 mm	9630097319	
		Port Standard ASA/ANSI 150RF, Size: 1½", 40 mm	9630027669	9630052895
		Port Standard ASA/ANSI 150RF, Size: 2", 50 mm		9630037418
		Port Standard BS10E, Size: 1½", 40 mm	9630046109	
		Port Standard BS10E, Size: 2", 50 mm		9630035615
		Port Standard BS4504/DIN2533, Size: 1", 25 mm	9630097318	
		Port Standard BS4504/DIN2534, Size: 1½", 40 mm	9630041494	9630066552
		Port Standard BS4504/DIN2535, Size: 2", 50 mm		9630042646

Note: See pages - for other rotorcase part numbers.

1.4

Pos	Qty	Denomination	SRU3/027 Item No.	SRU3/038 Item No.
		Port Standard BSP, Size: 1½" / 40 mm	9630053809	
		Port Standard BSP, Size: 2" / 50 mm	9630035459	9630054621
		Port Standard BSP, Size: 2½" / 65 mm		9630035256
		Port Standard BSPT, Size: 2" / 50 mm	9630029609	9630064524
		Port Standard BSPT, Size: 2½" / 65 mm		9630046105
		Port Standard DIN11851, Size: 1½" / 40 mm	9630061933	
		Port Standard DIN11852, Size: 2" / 50 mm	9630046494	9630043521
		Port Standard DIN11853, Size: 2½" / 65 mm		9630033350
		Port Standard ISS/IDF, Size: 1½" / 40 mm	9630069141	
		Port Standard ISS/IDF, Size: 2" / 50 mm	9630037083	9630045797
		Port Standard ISS/IDF, Size: 2½" / 65 mm		9630045780
		Port Standard NPT, Size: 2" / 50 mm	9630035343	
		Port Standard NPT, Size: 2½" / 65 mm		9630049133
		Port Standard RDG, Size: 1½" / 40 mm	9630099043	
		Port Standard RDG, Size: 2" / 50 mm	9630045994	9630071039
		Port Standard RDG, Size: 2½" / 65 mm		9630041411
		Port Standard RJT, Size: 1½" / 40 mm	9630052370	
		Port Standard RJT, Size: 2" / 50 mm	9630035368	9630046015
		Port Standard RJT, Size: 2½" / 65 mm		9630033412
		Port Standard SMS, Size: 1½" / 40 mm	9630047805	
		Port Standard SMS, Size: 2" / 50 mm	9630040720	9630049451
		Port Standard SMS, Size: 2½" / 65 mm		9630039493
		Port Standard SMS FS, Size: 2" / 50 mm	9630040687	
		Port Standard SMS FS, Size: 2½" / 65 mm		9630046884
		Port Standard Tri-clamp (BS4825), Size: 1½" / 40 mm	9630050075	
		Port Standard Tri-clamp (BS4825), Size: 2" / 50 mm	9630034320	9630050074
		Port Standard Tri-clamp (BS4825), Size: 2½" / 65 mm		9630035195
		Port Standard ASA/ANSI 150RF, Size: 1½" / 40 mm	9630053629	
		Port Standard ASA/ANSI 150RF, Size: 2" / 50 mm	9630040626	9630049332
		Port Standard ASA/ANSI 150RF, Size: 2½" / 65 mm		9630030030
		Port Standard BS10E, Size: 2" / 50 mm	9630045554	
		Port Standard BS10E, Size: 2½" / 65 mm		9630049477
		Port Standard BS4504/DIN2533, Size: 1½" / 40 mm	9630075563	
		Port Standard BS4504/DIN2534, Size: 2" / 50 mm	9630028993	9630050103
		Port Standard BS4504/DIN2535, Size: 2½" / 65 mm		9630041044

1.4

Pos	Qty	Denomination	SRU4/055 Item No.	SRU4/079 Item No.
		Port Standard BSP, Size: 2" / 50 mm	9630051186	
		Port Standard BSP, Size: 2½" / 65 mm	9630034294	
		Port Standard BSP, Size: 3" / 80 mm		9630035200
		Port Standard BSPT, Size: 2" / 50 mm	9630101275	
		Port Standard BSPT, Size: 2½" / 65 mm	9630047680	
		Port Standard BSPT, Size: 3" / 80 mm		9630046558
		Port Standard DIN11851, Size: 2" / 50 mm	9630050860	
		Port Standard DIN11852, Size: 2½" / 65 mm	9630028631	9630091139
		Port Standard DIN11853, Size: 3" / 80 mm		9630040420
		Port Standard ISS/IDF, Size: 2" / 50 mm	9630050954	
		Port Standard ISS/IDF, Size: 2½" / 65 mm	9630046826	9630091140
		Port Standard ISS/IDF, Size: 3" / 80 mm		9630040340
		Port Standard NPT, Size: 2½" / 65 mm	9630022489	
		Port Standard NPT, Size: 3" / 80 mm		9630047284
		Port Standard RDG, Size: 2" / 50 mm	9630099338	
		Port Standard RDG, Size: 2½" / 65 mm	9630038257	9630099339
		Port Standard RDG, Size: 3" / 80 mm		9630041401
		Port Standard RJT, Size: 2" / 50 mm	9630049172	
		Port Standard RJT, Size: 2½" / 65 mm	9630033116	9630087647
		Port Standard RJT, Size: 3" / 80 mm		9630040693
		Port Standard SMS, Size: 2" / 50 mm	9630051221	
		Port Standard SMS, Size: 2½" / 65 mm	9630046955	9630091141
		Port Standard SMS, Size: 3" / 80 mm		9630035480
		Port Standard SMS FS, Size: 2½" / 65 mm	9630036291	9630099704
		Port Standard SMS FS, Size: 3" / 80 mm		9630040686
		Port Standard Tri-clamp (BS4825), Size: 2" / 50 mm	9043.271S	9630051385
		Port Standard Tri-clamp (BS4825), Size: 2½" / 65 mm	9630034321	9630091142
		Port Standard Tri-clamp (BS4825), Size: 3" / 80 mm		9630025894
		Port Standard ASA/ANSI 150RF, Size: 2" / 50 mm	9630044148	
		Port Standard ASA/ANSI 150RF, Size: 2½" / 65 mm	9630039583	9630095534
		Port Standard ASA/ANSI 150RF, Size: 3" / 80 mm		9630020783
		Port Standard BS10E, Size: 2½" / 65 mm	9630045833	
		Port Standard BS10E, Size: 3" / 80 mm		9630045984
		Port Standard BS4504/DIN2533, Size: 2" / 50 mm	9630053994	
		Port Standard BS4504/DIN2534, Size: 2½" / 65 mm	9630039967	9630096996
		Port Standard BS4504/DIN2535, Size: 3" / 80 mm		9630034945

Note: See pages - for other rotorcase part numbers.

1.4



Pos	Qty	Denomination	SRU5/116 Item No.	SRU5/168 Item No.
		Port Standard BSP, Size: 3" / 80 mm	9630035257	
		Port Standard BSP, Size: 4" / 100 mm		9630047872
		Port Standard BSPT, Size: 3" / 80 mm	9630046612	
		Port Standard BSPT, Size: 4" / 100 mm		9630046608
		Port Standard DIN11851, Size: 2½" / 65 mm	9630091143	
		Port Standard DIN11852, Size: 3" / 80 mm	9630046584	9630091147
		Port Standard DIN11853, Size: 4" / 100 mm		9630044841
		Port Standard ISS/IDF, Size: 2½" / 65 mm	9630091144	
		Port Standard ISS/IDF, Size: 3" / 80 mm	9630041749	9630091148
		Port Standard ISS/IDF, Size: 4" / 100 mm		9630027225
		Port Standard NPT, Size: 3" / 80 mm	9630040625	
		Port Standard NPT, Size: 4" / 100 mm		9630048066
		Port Standard RDG, Size: 3" / 80 mm	9630042941	
		Port Standard RJT, Size: 2½" / 65 mm	9630087648	
		Port Standard RJT, Size: 3" / 80 mm	9630037447	9630087649
		Port Standard RJT, Size: 4" / 100 mm		9630039297
		Port Standard SMS, Size: 2½" / 65 mm	9630091145	
		Port Standard SMS, Size: 3" / 80 mm	9630039428	9630091149
		Port Standard SMS, Size: 4" / 100 mm		9630039495
		Port Standard SMS FS, Size: 2½" / 65 mm	9630099542	
		Port Standard SMS FS, Size: 3" / 80 mm	9630018870	
		Port Standard SMS FS, Size: 4" / 100 mm		9630046777
		Port Standard Tri-clamp (BS4825), Size: 2½" / 65 mm	9630091146	
		Port Standard Tri-clamp (BS4825), Size: 3" / 80 mm	9630034322	9630091150
		Port Standard Tri-clamp (BS4825), Size: 4" / 100 mm		9630043290
		Port Standard ASA/ANSI 150RF, Size: 2½" / 65 mm	9630100771	
		Port Standard ASA/ANSI 150RF, Size: 3" / 80 mm	9630035993	
		Port Standard ASA/ANSI 150RF, Size: 4" / 100 mm		9630030124
		Port Standard BS10E, Size: 3" / 80 mm	9630052719	
		Port Standard BS10E, Size: 4" / 100 mm		9630046969
		Port Standard BS4504/DIN2533, Size: 2½" / 65 mm	9630101062	
		Port Standard BS4504/DIN2534, Size: 3" / 80 mm	9630045737	
		Port Standard BS4504/DIN2535, Size: 4" / 100 mm		9630025556

Pos	Qty	Denomination	SRU6/260 Item No.	SRU6/353 Item No.
		Port Standard BSP, Size: 6" / 150 mm		9630029405
		Port Standard DIN11851, Size: 4" / 100 mm	9630091151	9630091156
		Port Standard DIN11852, Size: 6" / 150 mm		9630049407
		Port Standard ISS/IDF, Size: 4" / 100 mm	9630091152	9630091157
		Port Standard NPT, Size: 6" / 150 mm		9630074167
		Port Standard RDG, Size: 4" / 100 mm	9630094924	
		Port Standard RJT, Size: 4" / 100 mm	9630091153	9630091158
		Port Standard RJT, Size: 6" / 150 mm		9630046117
		Port Standard SMS, Size: 4" / 100 mm	9630091154	9630091159
		Port Standard SMS FS, Size: 4" / 100 mm	9630096216	
		Port Standard Tri-clamp (BS4825), Size: 4" / 100 mm	9630091155	9630091160
		Port Standard Tri-clamp (BS4825), Size: 6" / 150 mm		9630046203
		Port Standard ASA/ANSI 150RF, Size: 4" / 100 mm	9630094539	
		Port Standard ASA/ANSI 150RF, Size: 6" / 150 mm		9630043089
		Port Standard BS10E, Size: 6" / 150 mm		9630042448
		Port Standard BS4504/DIN2533, Size: 4" / 100 mm	9630046608	9630099663
		Port Standard BS4504/DIN2534, Size: 6" / 150 mm		9630043511

1.4

Pos	Qty	Denomination	SRU1/005 Item No.	SRU1/008 Item No.
		Port Standard DIN11851, Size: 1" / 25 mm	9630054283	9630091161
		Port Standard DIN11852, Size: 1½" / 40 mm		9630058653
		Port Standard ISS/IDF, Size: 1" / 25 mm	9630056767	9630091162
		Port Standard ISS/IDF, Size: 1½" / 40 mm		9630091166
		Port Standard RJT, Size: 1" / 25 mm	9630058406	9630091163
		Port Standard RJT, Size: 1½" / 40 mm		9630059916
		Port Standard SMS, Size: 1" / 25 mm	9630056102	9630091164
		Port Standard SMS, Size: 1½" / 40 mm		9630056103
		Port Standard Tri-clamp (BS4825), Size: 1" / 25 mm	9630050788	9630091165
		Port Standard Tri-clamp (BS4825), Size: 1½" / 40 mm		9630053014

Pos	Qty	Denomination	SRU2/013 Item No.	SRU2/018 Item No.
		Port Standard DIN11851, Size: 1" / 25 mm	9630091167	
		Port Standard DIN11852, Size: 1½" / 40 mm	9630048096	9630065013
		Port Standard DIN11853, Size: 2" / 50 mm		9630053711
		Port Standard ISS/IDF, Size: 1" / 25 mm	9630091168	
		Port Standard ISS/IDF, Size: 1½" / 40 mm	9630052409	9630091172
		Port Standard ISS/IDF, Size: 2" / 50 mm		9630049311
		Port Standard RJT, Size: 1" / 25 mm	9630091169	
		Port Standard RJT, Size: 1½" / 40 mm	9630050887	9630091173
		Port Standard RJT, Size: 2" / 50 mm		9630058407
		Port Standard SMS, Size: 1" / 25 mm	9630091170	
		Port Standard SMS, Size: 1½" / 40 mm	9630025246	9630051172
		Port Standard SMS, Size: 2" / 50 mm		9630025966
		Port Standard Tri-clamp (BS4825), Size: 1" / 25 mm	9630091171	
		Port Standard Tri-clamp (BS4825), Size: 1½" / 40 mm	9630049282	9630060346
		Port Standard Tri-clamp (BS4825), Size: 2" / 50 mm		9630049452

Pos	Qty	Denomination	SRU3/027 Item No.	SRU3/038 Item No.
		Port Standard DIN11851, Size: 1½" / 40 mm	9630091174	
		Port Standard DIN11852, Size: 2" / 50 mm	9630053607	9630059135
		Port Standard DIN11853, Size: 2½" / 65 mm		9630064742
		Port Standard ISS/IDF, Size: 1½" / 40 mm	9630091175	
		Port Standard ISS/IDF, Size: 2" / 50 mm	9630048390	9630051143
		Port Standard ISS/IDF, Size: 2½" / 65 mm		9630048042
		Port Standard RJT, Size: 1½" / 40 mm	9630091176	
		Port Standard RJT, Size: 2" / 50 mm	9630058140	9630076542
		Port Standard RJT, Size: 2½" / 65 mm		9630047015
		Port Standard SMS, Size: 1½" / 40 mm	9630059132	
		Port Standard SMS, Size: 2" / 50 mm	9630021034	9630054697
		Port Standard SMS, Size: 2½" / 65 mm		9630047832
		Port Standard Tri-clamp (BS4825), Size: 1½" / 40 mm	9630064835	
		Port Standard Tri-clamp (BS4825), Size: 2" / 50 mm	9630041053	9630059760
		Port Standard Tri-clamp (BS4825), Size: 2½" / 65 mm		9630049378

Pos	Qty	Denomination	SRU4/055 Item No.	SRU4/079 Item No.
		Port Standard DIN11851, Size: 2" / 50 mm	9630058038	
		Port Standard DIN11852, Size: 2½" / 65 mm	9630056738	9630091179
		Port Standard DIN11853, Size: 3" / 80 mm		9630051822
		Port Standard ISS/IDF, Size: 2" / 50 mm	9630091178	
		Port Standard ISS/IDF, Size: 2½" / 65 mm	9630050863	9630091180
		Port Standard ISS/IDF, Size: 3" / 80 mm		9630050509
		Port Standard RJT, Size: 2" / 50 mm	9630020697	
		Port Standard RJT, Size: 2½" / 65 mm	9630056284	9630091184
		Port Standard RJT, Size: 3" / 80 mm		9630054907
		Port Standard SMS, Size: 2" / 50 mm	9630037077	
		Port Standard SMS, Size: 2½" / 65 mm	9630047833	9630091182
		Port Standard SMS, Size: 3" / 80 mm		9630047834
		Port Standard Tri-clamp (BS4825), Size: 2" / 50 mm	9630059224	
		Port Standard Tri-clamp (BS4825), Size: 2½" / 65 mm	9630049379	9630091183
		Port Standard Tri-clamp (BS4825), Size: 3" / 80 mm		9630059310

Note: See pages - for other rotorcase part numbers.

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Pos	Qty	Denomination	SRU5/116 Item No.	SRU5/168 Item No.
		Port Standard DIN11851, Size: 2½" / 65 mm	9630091186	
		Port Standard DIN11851, Size: 3" / 80 mm	9630048336	9630091194
		Port Standard DIN11851, Size: 4" / 100 mm		9630049898
		Port Standard ISS/IDF, Size: 2½" / 65 mm	9630091187	
		Port Standard ISS/IDF, Size: 3" / 80 mm	9630050864	9630091195
		Port Standard ISS/IDF, Size: 4" / 100 mm		9630091199
		Port Standard RJT, Size: 2½" / 65 mm	9630091188	
		Port Standard RJT, Size: 3" / 80 mm	9630057931	9630091196
		Port Standard RJT, Size: 4" / 100 mm		9630049207
		Port Standard SMS, Size: 2½" / 65 mm	9630047833	9630091182
		Port Standard SMS, Size: 2½" / 65 mm	9630091189	
		Port Standard SMS, Size: 3" / 80 mm	9630047837	9630091197
		Port Standard SMS, Size: 4" / 100 mm		9630047838
		Port Standard Tri-clamp (BS4825), Size: 2½" / 65 mm	9630091190	
		Port Standard Tri-clamp (BS4825), Size: 3" / 80 mm	9630048868	9630091198
		Port Standard Tri-clamp (BS4825), Size: 4" / 100 mm		9630056995

Note: See pages - for other rotorcase part numbers.

Pos	Qty	Denomination	SRU6/260 Item No.	SRU6/253 Item No.
		Port Standard DIN11851, Size: 4" / 100 mm	9630091200	9630091206
		Port Standard DIN11851, Size: 6" / 150 mm		9630052121
		Port Standard ISS/IDF, Size: 4" / 100 mm	9630091202	9630091207
		Port Standard ISS/IDF, Size: 6" / 150 mm		-
		Port Standard RJT, Size: 4" / 100 mm	9630091203	9630091208
		Port Standard RJT, Size: 6" / 1050 mm		9630059131
		Port Standard SMS, Size: 4" / 100 mm	9630091204	9630091209
		Port Standard SMS, Size: 6" / 150 mm		-
		Port Standard Tri-clamp (BS4825), Size: 4" / 100 mm	9630091205	9630091210
		Port Standard Tri-clamp (BS4825), Size: 6" / 150 mm		9630049316

Note: See pages - for other rotorcase part numbers.

1.4

Due to the high number of combinations of rotorcase body and port standard the below tables show how to construct the complete rotorcase part number.

Example: Rotorcase machined for R90 mechanical seal with 1" (25mm) BSP male connections for SRU1/005 pump. Part number 9037.026S = 9 + 037 + 026 + S where 9 = constant 037 = rotorcase body code 026 = rotorcase port code S = constant (SRU)

Example: (vertically ported flanged rotorcase SRU1-5 ONLY) Rotorcase machined for R90 mechanical seal with 1" (25mm) ASA150RF connections for SRU1/005 pump. Part no. 9037.018/324S = 9 + 037 + 018 + 324 + S where 9 = constant 037 = rotorcase body code 018 = rotorcase top port code 324 = rotorcase bottom port code for bend S = constant (SRU) For bottom flanged bends and gaskets see page 33.

R90 = R90 and Packed Gland Seal HYC = Hyclean Seal HS = drilled for Heating Saddle RECT = Rectangular Inlet Port bore and code information is for internal use only

Rotorcase Body		Port Bore Size (mm)	Connec-tion Size (mm)	Code	R90	R90 HS	R90 RECT	R90 RECT HS	HYC	HYC HS	HYC RECT	HYC RECT HS
SRU1/005	SAN	22,2	25	B	037	061	181	241	285	308	445	471
	ENL	22,2	25	B	402	425	432	455	414	439	446	472
SRU1/008	SAN	26,0	40	C	038	062	191	242	286	309	454	463
	ENL	26,0	40	C	039	063	182	243	211	231	221	464
SRU2/013	SAN	22,2	25	B	403	426	433	456	415	440	447	473
	ENL	26,0	40	C	039	063	182	243	211	231	221	464
SRU2/018	SAN	34,9	40	D	040	064	192	244	212	232	222	474
	ENL	34,9	50	E	040	064	192	244	212	232	222	474
SRU3/027	SAN	34,9	40	D	041	065	183	245	213	233	223	475
	ENL	34,9	50	E	041	065	183	245	213	233	223	475
SRU3/038	SAN	47,6	50	G	042	066	193	246	214	234	224	476
	ENL	47,6	65	H	042	066	193	246	214	234	224	476
SRU4/055	SAN	47,6	50	G	043	067	184	247	215	235	225	477
	ENL	47,6	65	H	043	067	184	247	215	235	225	477
SRU4/079	SAN	60,3	65	I	408	427	434	457	420	441	448	478
	ENL	63,0	80	K	044	068	194	248	216	236	226	465
SRU5/116	SAN	60,3	65	I	409	428	435	458	421	442	449	479
	ENL	63,0	80	K	045	069	185	249	217	237	227	466
SRU5/168	SAN	73,0	80	M	410	429	436	459	422	443	450	480
	ENL	78,0	100	O	046	070	195	250	218	238	228	467
SRU6/260	SAN	97,6	100	P	411	430	437	460	423	444	451	481
	ENL	97,6	100	P	412	431	438	461	424	445	452	482
SRU6/353	SAN	120,0	150	Q	048	072	196	252	220	462	230	468
	ENL	120,0	150	Q	048	072	196	252	220	462	230	468

1.4



Rotorcase Port	Size (mm)	Port Bore		Code	BSP	BSPT	NPT	IDF	RJT	ILC	3A ACME	RDG
		Bore										
005	25	13.5		A	025	057	049	041	033	113	065	105
005/008/013	25	22.2		B	026	058	050	042	034	114	066	106
008/013/018/027	40	26.0		C	027	059	051	043	035	115	067	107
018/027	40	34.9		D	252	696	695	318	342	700	697	699
018/027/055	50	34.9		E	028	060	052	044	036	116	068	108
038	50	38.0		F	029	061	053	045	037	117	069	109
038/055	50	47.6		G	231	283	707	233	232	710	708	383
038/055/079/116	65	47.6		H	030	062	054	046	038	118	070	110
079/116	65	60.3		I	644	647	646	645	623	654	648	653
079/116	65	63.0		J	-	-	-	376	377	-	-	-
079/116	80	63.0		K	135	143	141	139	137	157	145	155
168	80	70.0		L	031	063	055	047	039	119	071	111
168	80	73.0		M	664	667	666	665	624	673	668	681
168	100	78.0		O	136	144	142	140	138	158	146	156
260/353	100	97.6		P	032	064	056	048	040	120	072	112
353	150	120.0		Q	280	279	597	-	-	-	-	-

Rotorcase Port	Size (mm)	Port Bore		Code	SMS	SMS FS	DIN 11851	Tri Clamp BS4825	I LINE	SRJT	Thread	DS
		Bore									Bevel Seat	
005	25	13.5		A	073	097	089	081	121	564	242	286
005/008/013	25	22.2		B	074	098	090	082	122	565	243	287
008/013/018/027	40	26.0		C	075	099	091	083	123	566	244	288
018/027	40	34.9		D	253	698	276	274	701	567	420	289
018/027/055	50	34.9		E	076	100	092	084	124	568	245	290
038	50	38.0		F	077	101	093	085	125	569	246	291
038/055	50	47.6		G	234	709	235	271	711	570	421	292
038/055/079/116	65	47.6		H	078	102	094	086	126	508	247	293
079/116	65	60.3		I	649	652	651	650	655	662	657	659
079/116	65	63.0		J	450	-	428	323	-	-	456	384
079/116	80	63.0		K	147	153	151	149	159	509	250	294
168	80	70.0		L	079	103	095	087	127	571	248	295
168	80	73.0		M	669	672	671	670	674	738	676	678
168	100	78.0		O	148	154	152	150	160	573	251	296
260/353	100	97.6		P	080	104	096	088	128	572	249	297
353	150	120.0		Q	-	-	230	300	-	222	-	-

Rotorcase Port	Size (mm)	Port Bore		Code	BS10 E	BS10 F	ASA 150RF	ASA 300RF	BS 4504 PN16	JIS	ASA 150FF	SMS Sodime
		Bore								B2212/10F		
005	25	13.5		A	001	168	017	197	009	179	211	396
005/008/013	25	22.2		B	002	169	018	198	010	180	212	397
008/013/018/027	40	26.0		C	003	170	019	199	011	181	213	398
018/027	40	34.9		D	694	702	360	704	416	703	705	399
018/027/055	50	34.9		E	004	171	020	200	012	182	214	400
038	50	38.0		F	005	172	021	201	013	183	215	401
038/055	50	47.6		G	706	712	272	714	327	713	715	402
038/055/079/116	65	47.6		H	006	173	022	202	014	184	216	403
079/116	65	60.3		I	683	686	685	688	684	687	689	661
079/116	65	63.0		J	-	-	-	-	-	-	-	-
079/116	80	63.0		K	129	176	133	203	131	186	217	406
168	80	70.0		L	007	174	023	204	015	185	218	404
168	80	73.0		M	735	-	737	-	736	-	-	680
168	100	78.0		O	130	177	134	205	132	188	219	407
260/353	100	97.6		P	008	175	024	206	016	187	220	405
353	150	120.0		Q	161	178	163	207	162	189	221	-

1.4

Rotorcase Port	Size (mm)	Port Bore		Code	BS 4504 PN25	DIN 2576 4504FF	DIN 2573	DIN 32676	DIN 118641A	Rotorcase bottom port code for flanged bend
		Bore								
005	25	13.5		A	584	467	489	-	-	-
005/008/013	25	22.2		B	585	468	490	-	775	324
008/013/018/027	40	26.0		C	586	487	491	-	605	257
018/027	40	34.9		D	-	-	-	-	776	971
018/027/055	50	34.9		E	587	463	492	-	606	258
038	50	38.0		F	588	469	493	-	-	-
038/055	50	47.6		G	589	-	-	-	774	273
038/055/079/116	65	47.6		H	563	470	488	503	777	259
079/116	65	60.3		I	690	691	692	693	663	658
079/116	65	63.0		J	-	-	498	504	-	-
079/116	80	63.0		K	593	473	496	499	778	260
168	80	70.0		L	590	471	494	505	607	-
168	80	73.0		M	-	-	-	-	682	677
168	100	78.0		O	594	486	497	-	780	261
260/353	100	97.6		P	591	472	495	-	781	972
353	150	120.0		Q	595	-	-	-	-	-

Flanged Bends (for SRU1-5 vertically ported pumps)								
Rotorcase Port	Size (mm)	Port Bore		Code	BS10 E	ASA 150RF	BS 4504 PN16	PTFE Gasket
		Bore						
005	25	22.2		B	5000.454	5000.453	5000.455	5198.188
008/013	40	26.0		C	5000.408	5000.398	5000.413	5198.170
018/027	40	34.9		D	-	-	-	-
018/027	50	34.9		E	5000.409	5000.399	5000.414	5198.171
038/055	50	47.6		G	5000.409	5000.399	5000.414	5198.171
038/055	65	47.6		H	5000.410	5000.400	5000.415	5198.172
079/116	80	63.0		K	5000.411	5000.401	5000.416	5198.173
168	100	78.0		O	5000.412	5000.402	5000.417	5198.174

1.4

The table below shows how to construct the part number for rectangular to round adaptors. Example: Rectangular to Round Adaptor with 4" (100mm) SMS connection for SRU4/079 pump. Part number 5001.359.080 = 5001.359 + 080 where 5001.359 = rectangular adaptor code 080 = adaptor port code (see page -)

Rotorcase	Size (mm)	Port Bore		Code	Rectangular Adaptor code
		Bore			
SRU1/005	40	26.0		C	5001.435
SRU1/008	50	38.0		F	5001.236
SRU2/013	50	38.0		F	5001.275
SRU2/018	80	70.0		L	5001.237
SRU3/027	80	70.0		L	5001.281
SRU3/038	80	70.0		L	5001.238
SRU4/055	100	97.6		P	5001.316
SRU4/079	100	97.6		P	5001.359
SRU5/116	100	97.6		P	5001.367
SRU5/168	150	120.0		Q	5001.240
SRU6/260	150	120.0		Q	
SRU6/353	150	120.0		Q	5001.241

Rotorcase	Fixing Stud (4 per adaptor)		Nut, Fixing Stud (4 per adaptor)	
	Part No.	Item No.	Part No.	Item No.
SRU1	6350.019	9630023949	5330.007	9630024061
SRU2 - Fixing is cap screw not stud	5990.052	9630021069	-	-
SRU3	6350.093	9630031415		
SRU4	6350.135	9630052259		
SRU5	6350.104	9630019863		
SRU6	5990.038	9630027137	-	-

Rotorcase	O-Ring, FPM (1 per adaptor)	
	Part No.	Item No.
SRU1/005	1551.033	9630075998
SRU1/008	1551.034	9630063230
SRU2/013	1551.035	9630087703
SRU2/018	1551.143	9630046200
SRU3/027	1551.151	9630077949
SRU3/038	1551.152	9630038937
SRU4/055	5380.403	9630043060
SRU4/079	5380.161	9630024291
SRU5/116	5380.292	9630031929
SRU5/168	1551.249	9630023462
SRU6/260	1551.259	9630040020
SRU6/353	1551.262	9630865829

1.4

Each kit comprises of Rotorcase Cover O-Ring and Rotor O-Rings for one pump.  
 Kits for Relief Valve Covers also include Valve Piston O-Ring.

Pos	Qty	Denomination	SRU1 Item No.	SRU2 Item No.
		Cover Type: Plain - st.stl rotor, NBR	9630099423	9630099431
		Cover Type: Plain - st.stl rotor, EPDM	9630099424	9630099432
		Cover Type: Plain - st.stl rotor, FPM	9630099425	9630099433
		Cover Type: Plain - st.stl rotor, PTFE	9630099426	9630099434
		Cover Type: Plain - rubber rotor, NBR	-	9630099439
		Cover Type: Relief Valve, NBR	9630099427	9630099435
		Cover Type: Relief Valve, EPDM	9630099428	9630099436
		Cover Type: Relief Valve, FPM	9630099429	9630099437
		Cover Type: Relief Valve, PTFE	9630099430	9630099438
Pos	Qty	Denomination	SRU3 Item No.	SRU4 Item No.
		Cover Type: Plain - st.stl rotor, NBR	9630099440	9630099449
		Cover Type: Plain - st.stl rotor, EPDM	9630099441	9630099450
		Cover Type: Plain - st.stl rotor, FPM	9630099442	9630099451
		Cover Type: Plain - st.stl rotor, PTFE	9630099443	9630099452
		Cover Type: Plain - rubber rotor, NBR	9630099448	9630099457
		Cover Type: Relief Valve, NBR	9630099444	9630099453
		Cover Type: Relief Valve, EPDM	9630099445	9630099454
		Cover Type: Relief Valve, FPM	9630099446	9630099455
		Cover Type: Relief Valve, PTFE	9630099447	9630099456
Pos	Qty	Denomination	SRU5 Item No.	SRU6 Item No.
		Cover Type: Plain - st.stl rotor, NBR	9630099458	9630099467
		Cover Type: Plain - st.stl rotor, EPDM	9630099459	9630099468
		Cover Type: Plain - st.stl rotor, FPM	9630099460	9630099469
		Cover Type: Plain - st.stl rotor, PTFE	9630099461	9630099470
		Cover Type: Plain - rubber rotor, NBR	9630099466	9630099475
		Cover Type: Relief Valve, NBR	9630099462	9630099471
		Cover Type: Relief Valve, EPDM	9630099463	9630099472
		Cover Type: Relief Valve, FPM	9630099464	9630099473
		Cover Type: Relief Valve, PTFE	9630099465	9630099474

1.4



2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

Pos	Qty	Denomination	SRU1 Item No.	SRU2 Item No.
<b>Rotary Seal /Stationary Seal Ring</b>				
		Stainless Steel / Carbon, NBR	9630032046	9630033227
		Stainless Steel / Carbon, EPDM	9630026348	9630033228
		Stainless Steel / Carbon, FPM	9630032577	9630032841
		Stainless Steel / Carbon, FFPM	9630033226	9630033229
		Stainless Steel / Inserted Carbon, NBR	9630032044	9630033248
		Stainless Steel / Inserted Carbon, EPDM	9630033246	9630033250
		Stainless Steel / Inserted Carbon, FPM	9630033245	9630033249
		Stainless Steel / Inserted Carbon, FFPM	9630033247	9630033251
		Tungsten Carbide / Inserted Carbon, NBR	9630032048	9630033268
		Tungsten Carbide / Inserted Carbon, EPDM	9630033274	9630033277
		Tungsten Carbide / Inserted Carbon, FPM	9630033273	9630033276
		Tungsten Carbide / Inserted Carbon, FFPM	9630033275	9630033278
		Tungsten Carbide /Tungsten Carbide, NBR	9630032049	9630032473
		Tungsten Carbide /Tungsten Carbide, EPDM	9630033296	9630033299
		Tungsten Carbide /Tungsten Carbide, FPM	9630033295	9630033298
		Tungsten Carbide /Tungsten Carbide, FFPM	9630033297	9630033300
		Silicon Carbide / Inserted Carbon, NBR	9630090695	9630090697
		Silicon Carbide / Inserted Carbon, EPDM	9630090694	9630090696
		Silicon Carbide / Inserted Carbon, FPM	9630069887	9630024870
		Silicon Carbide / Inserted Carbon, FFPM	9630071429	9630090698
		Silicon Carbide /Silicon Carbide, NBR	9630032051	9630022584
		Silicon Carbide /Silicon Carbide, EPDM	9630056727	9630060647
		Silicon Carbide /Silicon Carbide, FPM	9630035318	9630060084
		Silicon Carbide /Silicon Carbide, FFPM	9630090693	9630030257
	6	Anti-Rotation Pin		
	2	Spacer (over 10 bar only)		
	2	Spacer O-Ring (FPM)		9630024181
<b>Additional parts to convert pump fitted with above R90 seals to single flushed seals</b>				
-	1	Conversion kit - BSPT	9630091217	9630091220
	1	Conversion kit - NPT	9630091218	9630091221
<b>Conversion kits comprising of:-</b>				
75	1	Gasket	9630062179	-
	2	O-Ring (FPM)	-	9630063230
76	2	Lip Seal (FPM)	9630061801	9630061802
77	2	Spacer O-Ring (FPM)	9630034859	9630024181
77a	2	Spacer	9630033407	
79	2	Housing, BSPT	9630028370	9630032706
	2	Housing, BSPT	9630045526	9630045913
-	4	Stud	9630033405	9630052259
	4	Washer		9630024231
	4	Nut, Stud	9630024061	

1.4

2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

Pos	Qty	Denomination	SRU3 Item No.	SRU4 Item No.
<b>Rotary Seal /Stationary Seal Ring</b>				
		Stainless Steel / Carbon, NBR	9630033230	9630033114
		Stainless Steel / Carbon, EPDM	9630033231	9630033233
		Stainless Steel / Carbon, FPM	9630032908	9630032968
		Stainless Steel / Carbon, FFPM	9630033232	9630033234
		Stainless Steel / Inserted Carbon, NBR	9630033252	9630033253
		Stainless Steel / Inserted Carbon, EPDM	9630033257	9630033260
		Stainless Steel / Inserted Carbon, FPM	9630033256	9630033259
		Stainless Steel / Inserted Carbon, FFPM	9630033258	9630033261
		Tungsten Carbide / Inserted Carbon, NBR	9630033269	9630033270
		Tungsten Carbide / Inserted Carbon, EPDM	9630033280	9630033283
		Tungsten Carbide / Inserted Carbon, FPM	9630033279	9630033282
		Tungsten Carbide / Inserted Carbon, FFPM	9630033281	9630033284
		Tungsten Carbide /Tungsten Carbide, NBR	9630033291	9630033292
		Tungsten Carbide /Tungsten Carbide, EPDM	9630033302	9630033305
		Tungsten Carbide /Tungsten Carbide, FPM	9630033301	9630033304
		Tungsten Carbide /Tungsten Carbide, FFPM	9630033303	9630033306
		Silicon Carbide / Inserted Carbon, NBR	9630090699	9630042382
		Silicon Carbide / Inserted Carbon, EPDM	9630073216	9630087140
		Silicon Carbide / Inserted Carbon, FPM	9630090700	9630031835
		Silicon Carbide / Inserted Carbon, FFPM	9630090701	9630057619
		Silicon Carbide /Silicon Carbide, NBR	9630043322	9630090702
		Silicon Carbide /Silicon Carbide, EPDM	9630050713	9630061483
		Silicon Carbide /Silicon Carbide, FPM	9630035405	9630045054
		Silicon Carbide /Silicon Carbide, FFPM	9630073421	9630039376
	6	Anti-Rotation Pin		
	2	Spacer (over 10 bar only)	9630033143	9630028655
	2	Spacer O-Ring (FPM)		

**Additional parts to convert pump fitted with above R90 seals to single flushed seals**

-	1	Conversion kit - BSPT	9630091222	9630091224
	1	Conversion kit - NPT	9630091223	9630091225

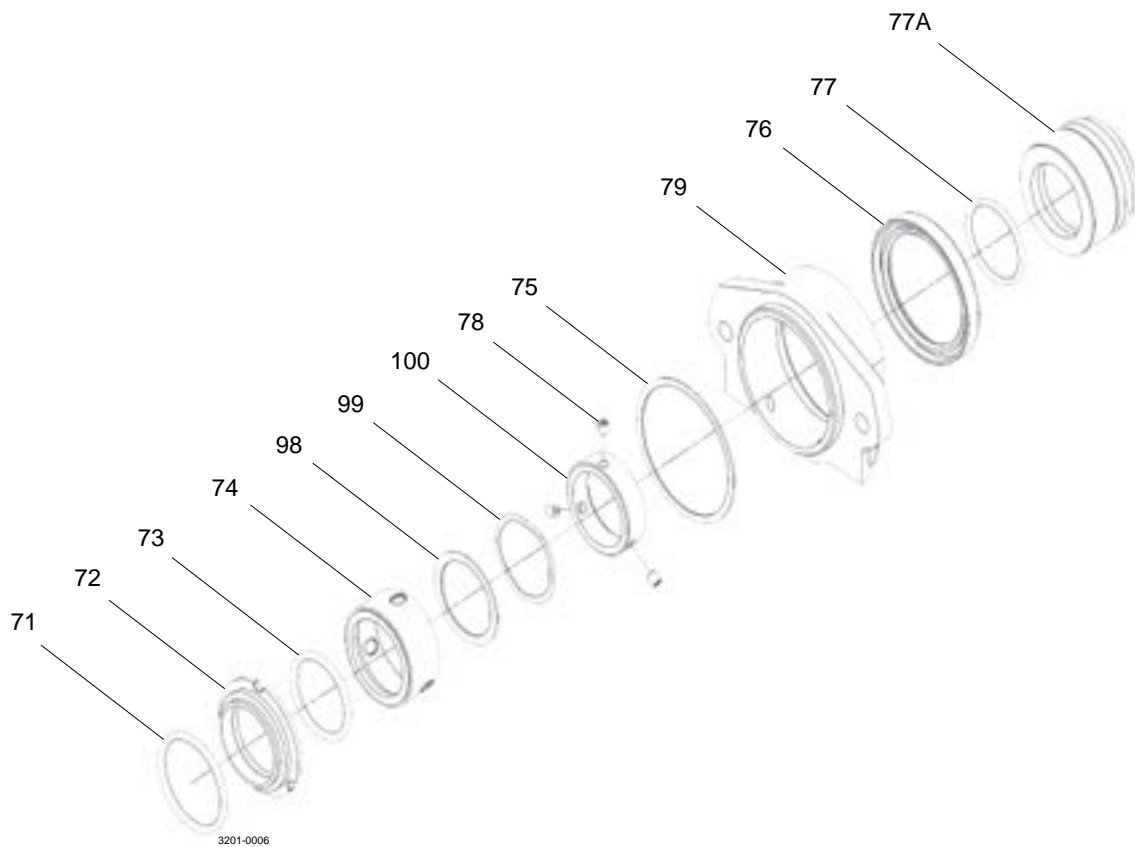
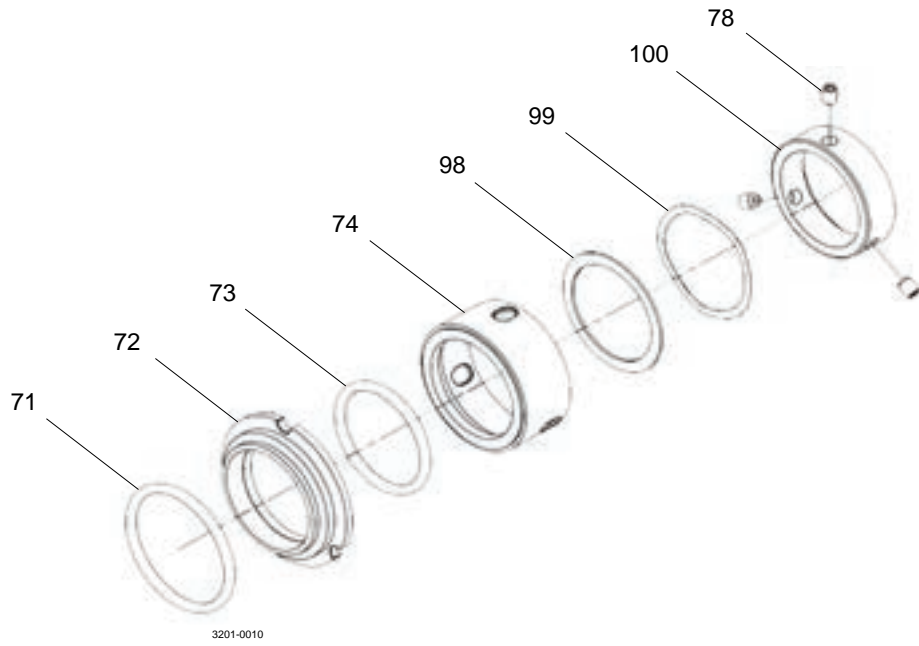
**Conversion kits comprising of:-**

75	2	O-Ring (FPM)	9630921685	9630921686
76	2	Lip Seal (FPM)	9630061803	9630061804
77	2	Spacer O-Ring (FPM)		
77a	2	Spacer	9630033143	9630028655
79	2	Housing, BSPT	9630039927	9630032692
	2	Housing, NPT	9630046010	9630045824
	4	Stud		-
	4	Washer	9630024231	-
	4	Nut, Stud		-
	4	Screw	-	9630060520

1.4

2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

Pos	Qty	Denomination	SRU5 Item No.	SRU6 Item No.
<b>Rotary Seal /Stationary Seal Ring</b>				
		Stainless Steel / Carbon, NBR	9630033117	9630033237
		Stainless Steel / Carbon, EPDM	9630033235	9630033239
		Stainless Steel / Carbon, FPM	9630033118	9630033238
		Stainless Steel / Carbon, FFPM	9630033236	9630033240
		Stainless Steel / Inserted Carbon, NBR	9630033254	9630033255
		Stainless Steel / Inserted Carbon, EPDM	9630033263	9630033266
		Stainless Steel / Inserted Carbon, FPM	9630033262	9630033265
		Stainless Steel / Inserted Carbon, FFPM	9630033264	9630033267
		Tungsten Carbide / Inserted Carbon, NBR	9630033271	9630033272
		Tungsten Carbide / Inserted Carbon, EPDM	9630033286	9630033289
		Tungsten Carbide / Inserted Carbon, FPM	9630033285	9630033288
		Tungsten Carbide / Inserted Carbon, FFPM	9630033287	9630033290
		Tungsten Carbide /Tungsten Carbide, NBR	9630033293	9630033294
		Tungsten Carbide /Tungsten Carbide, EPDM	9630033308	9630033311
		Tungsten Carbide /Tungsten Carbide, FPM	9630033307	9630033310
		Tungsten Carbide /Tungsten Carbide, FFPM	9630033309	9630033312
		Silicon Carbide / Inserted Carbon, NBR	9630087180	9630090707
		Silicon Carbide / Inserted Carbon, EPDM	9630090703	9630032866
		Silicon Carbide / Inserted Carbon, FPM	9630090704	9630028988
		Silicon Carbide / Inserted Carbon, FFPM	9630085989	9630069377
		Silicon Carbide /Silicon Carbide, NBR	9630062756	9630090705
		Silicon Carbide /Silicon Carbide, EPDM	9630057537	9630077819
		Silicon Carbide /Silicon Carbide, FPM	9630045055	9630032232
		Silicon Carbide /Silicon Carbide, FFPM	9630045555	9630090706
	6	Anti-Rotation Pin		
	2	Spacer (over 10 bar only)		
	2	Spacer O-Ring (FPM)		9630024289
<b>Additional parts to convert pump fitted with above R90 seals to single flushed seals</b>				
	1	Conversion kit - BSPT	9630091227	9630091229
	1	Conversion kit - NPT	9630091228	9630091230
<b>Conversion kits comprising of:-</b>				
75	2	O-Ring (FPM)	9630921683	9630921687
76	2	Lip Seal (FPM)		9630061806
77	2	Spacer O-Ring (FPM)		9630024289
77a	2	Spacer		
79	2	Housing, BSPT	9630022756	9630032590
	2	Housing, NPT	9630045839	9630046167
	4	Stud	9630019863	
	4	Washer	9630024233	9630024233
	4	Nut, Stud		



Pos	Qty	Denomination	SRU1 Item No.	SRU2 Item No.
71	2	Stationary Seal Ring O-Ring, NBR	9630028449	9630027299
	2	Stationary Seal Ring O-Ring, EPDM	9630027782	9630028377
	2	Stationary Seal Ring O-Ring, FPM		9630028379
72	2	Stationary Seal Ring O-Ring, FFPM	9630019763	9630028374
	2	Stationary Seal Ring, Solid Carbon	9630026215	9630026164
	2	Stationary Seal Ring, Inserted Carbon	9630025257	9630025258
73	2	Stationary Seal Ring, Tungsten Carbide	9630029728	9630026168
	2	Stationary Seal Ring, Silicon Carbide	9630026003	9630044552
	2	Rotary Seal Ring O-Ring, NBR	9630028460	9630027301
74	2	Rotary Seal Ring O-Ring, EPDM	9630028446	9630028378
	2	Rotary Seal Ring O-Ring, FPM		9630028380
	2	Rotary Seal Ring O-Ring, FFPM	9630028382	9630028375
74	2	Rotary Seal Assembly, Stainless Steel	9630030218	9630030219
	2	Rotary Seal Assembly, Tungsten Carbide	9630026464	9630026570
	2	Rotary Seal Assembly, Silicon Carbide	9630027025	9630027024
Note: Rotary Seal Assembly (74) comprises of rotary seal ring, washer (98), wave spring (99), drive ring (100) and grub screw (78)				
78	6	Grub Screw	9630030298	9630030298
98	2	Washer	9630045430	9630045431
99	2	Wave Spring (see note 1)	9630026769	9630026770

Pos	Qty	Denomination	SRU3 Item No.	SRU4 Item No.
71	2	Stationary Seal Ring O-Ring, NBR	9630028368	9630028260
	2	Stationary Seal Ring O-Ring, EPDM	9630028321	9630025642
	2	Stationary Seal Ring O-Ring, FPM		
72	2	Stationary Seal Ring O-Ring, FFPM	9630028266	9630026096
	2	Stationary Seal Ring, Solid Carbon	9630026163	9630017815
	2	Stationary Seal Ring, Inserted Carbon	9630026162	9630035092
73	2	Stationary Seal Ring, Tungsten Carbide	9630017810	9630026167
	2	Stationary Seal Ring, Silicon Carbide	9630027021	9630027020
	2	Rotary Seal Ring O-Ring, NBR	9630024280	9630028263
74	2	Rotary Seal Ring O-Ring, EPDM	9630024206	9630025646
	2	Rotary Seal Ring O-Ring, FPM		
	2	Rotary Seal Ring O-Ring, FFPM	9630024254	9630026094
74	2	Rotary Seal Assembly, Stainless Steel	9630026877	9630026882
	2	Rotary Seal Assembly, Tungsten Carbide	9630026569	9630026585
	2	Rotary Seal Assembly, Silicon Carbide	9630027023	9630045909
Note: Rotary Seal Assembly (74) comprises of rotary seal ring, washer (98), wave spring (99), drive ring (100) and grub screw (78)				
78	6	Grub Screw	9630030298	9630030299
98	2	Washer	9630045432	9630045433
99	2	Wave Spring (see note 1)	9630022957	9630026228

Pos	Qty	Denomination	SRU5 Item No.	SRU6 Item No.
71	2	Stationary Seal Ring O-Ring, NBR	9630025417	9630027486
	2	Stationary Seal Ring O-Ring, EPDM	9630025437	9630029893
	2	Stationary Seal Ring O-Ring, FPM		9630029897
72	2	Stationary Seal Ring O-Ring, FFPM	9630025846	9630029885
	2	Stationary Seal Ring, Solid Carbon	9630026196	9630029729
	2	Stationary Seal Ring, Inserted Carbon	9630026207	9630026165
73	2	Stationary Seal Ring, Tungsten Carbide	9630026219	9630026193
	2	Stationary Seal Ring, Silicon Carbide	9630044328	9630027019
	2	Rotary Seal Ring O-Ring, NBR	9630026648	9630026625
74	2	Rotary Seal Ring O-Ring, EPDM	9630025314	9630029896
	2	Rotary Seal Ring O-Ring, FPM		9630026693
	2	Rotary Seal Ring O-Ring, FFPM	9630026704	9630029889
74	2	Rotary Seal Assembly, Stainless Steel	9630026172	9630026449
	2	Rotary Seal Assembly, Tungsten Carbide	9630026584	9630022294
	2	Rotary Seal Assembly, Silicon Carbide	9630027022	9630046520
Note: Rotary Seal Assembly (74) comprises of rotary seal ring, washer (98), wave spring (99), drive ring (100) and grub screw (78)				
78	6	Grub Screw	9630027891	9630034730
98	2	Washer	9630045434	9630045435
99	2	Wave Spring (see note 1)	9630026208	-
	12	Coil Spring	-	9630026227

1.4



2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.

Inboard Seal Rotary Seal / Stationary Seal Ring	Outboard Seal Rotary Seal / Stationary Seal Ring	Inboard Seal O-Ring	Outboard Seal O-Ring	SRU1 Item No.
Stainless Steel / Carbon	Stainless Steel / Carbon	NBR	NBR	9630043289
		EPDM	EPDM	9630028617
		FPM	FPM	
		FFPM	FFPM	
		FFPM	NBR	9630042850
Stainless Steel / Inserted Carbon	Stainless Steel / Inserted Carbon	FFPM	EPDM	9630049527
		NBR	NBR	9630056927
		EPDM	EPDM	
		FPM	FPM	
		FFPM	FFPM	
FFPM	NBR			
Tungsten Carbide / Tungsten Carbide	Stainless Steel / Carbon	FFPM	EPDM	9630034043
		NBR	NBR	9630041636
		EPDM	EPDM	
		FPM	FPM	
		FFPM	FFPM	
Tungsten Carbide / Tungsten Carbide	Tungsten Carbide / Tungsten Carbide	FFPM	NBR	
		NBR	NBR	9630040458
		EPDM	EPDM	9630044855
		FPM	FPM	
		FFPM	FFPM	
FFPM	NBR			
FFPM	EPDM			
Silicon Carbide / Silicon Carbide	Stainless Steel / Carbon	FFPM	FPM	9630026649
		NBR	NBR	
		EPDM	EPDM	
		FPM	FPM	
		FFPM	FFPM	
Silicon Carbide / Silicon Carbide	Silicon Carbide / Silicon Carbide	FFPM	NBR	9630024061
		FFPM	EPDM	
		NBR	NBR	
		EPDM	EPDM	
		FPM	FPM	

Note: Above are listed the most common seal ring / O-ring combinations - for other combinations see p.

Pos	Qty	Denomination	SRU1 Item No.
75	1	Gasket	9630062179
79	2	Housing, BSPT	9630040244
	2	Housing, NPT	9630029155
	4	Elbow, BSPT	9630034032
	4	Elbow, NPT	9630034033
	4	Stud	9630033404
	4	Nut, Stud	9630024061

Note: Elbows only required on horizontally ported pumps with flanged connections.

1.4

2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.

	Inboard Seal Rotary Seal / Stationary Seal Ring	Outboard Seal Rotary Seal / Stationary Seal Ring	Inboard Seal O-Ring	Outboard Seal O-Ring	SRU2 Item No.
	Stainless Steel / Carbon	Stainless Steel / Carbon	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630034680 9630044938 9630034198 9630058326 9630045689 9630049526
	Stainless Steel / Inserted Carbon	Stainless Steel / Inserted Carbon	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630037819 9630099017 9630094530 9630035263 9630092088
	Tungsten Carbide / Tungsten Carbide	Stainless Steel / Carbon	NBR EPDM FPM PTFE PTFE PTFE PTFE	NBR EPDM FPM PTFE NBR EPDM FPM	9630040399 9630041786 9630034946 9630039321 9630033456 9630025526
	Tungsten Carbide / Tungsten Carbide	Tungsten Carbide / Tungsten Carbide	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630056098 9630035369 9630035299 9630052091
	Silicon Carbide / Silicon Carbide	Stainless Steel / Carbon	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630040268
	Silicon Carbide / Silicon Carbide	Silicon Carbide / Silicon Carbide	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630051630

Note: Above are listed the most common seal ring / O-ring combinations - for other combinations see p

Pos	Qty	Denomination	SRU2 Item No.
75	2	O-Ring (FPM)	9630063230
79	2	Housing, BSPT	9630040952
	2	Housing, NPT	9630038226
-	4	Elbow, BSPT	9630034032
	4	Elbow, NPT	9630034033
	4	Stud	
	4	Nut, Stud	

Note: Elbows only required on horizontally ported pumps with flanged connections.

1.4

2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.

	Inboard Seal Rotary Seal / Stationary Seal Ring	Outboard Seal Rotary Seal / Stationary Seal Ring	Inboard Seal O-Ring	Outboard Seal O-Ring	SRU3 Item No.
	Stainless Steel / Carbon	Stainless Steel / Carbon	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630032602 9630046017 9630032969 9630036747 9630040110 9630043245 9630039276
	Stainless Steel / Inserted Carbon	Stainless Steel / Inserted Carbon	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630043303
	Tungsten Carbide / Tungsten Carbide	Stainless Steel / Carbon	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630037420 9630028328 9630025967 9630051218 9630080288
	Tungsten Carbide / Tungsten Carbide	Tungsten Carbide / Tungsten Carbide	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630067827 9630049354 9630091612
	Silicon Carbide / Silicon Carbide	Stainless Steel / Carbon	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630061788
	Silicon Carbide / Silicon Carbide	Silicon Carbide / Silicon Carbide	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630061482 9630051631

Note: Above are listed the most common seal ring / O-ring combinations - for other combinations see p..

Pos	Qty	Denomination	SRU3 Item No.
75	2	O-Ring (FPM)	9630921685
79	2	Housing, BSPT	9630032543
-	2	Housing, NPT	9630046719
-	4	Elbow, BSPT	9630034032
-	4	Elbow, NPT	9630034033
-	4	Stud	
-	4	Nut, Stud	

Note: Elbows only required on horizontally ported pumps with flanged connections

1.4

2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.

Inboard Seal Rotary Seal / Stationary Seal Ring	Outboard Seal Rotary Seal / Stationary Seal Ring	Inboard Seal O-Ring	Outboard Seal O-Ring	SRU4 Item No.
Stainless Steel / Carbon	Stainless Steel / Carbon	NBR	NBR	9630033040
		EPDM	EPDM	9630029604
		FPM	FPM	9630032970
		FFPM	FFPM	9630034370
		FFPM	NBR	
Stainless Steel / Inserted Carbon	Stainless Steel / Inserted Carbon	EPDM	EPDM	9630022782
		FPM	NBR	9630039738
		FFPM	EPDM	
		FFPM	FPM	9630044147
		FFPM	FFPM	9630057429
Tungsten Carbide / Tungsten Carbide	Stainless Steel / Carbon	FFPM	NBR	9630037201
		FFPM	EPDM	9630039271
		FFPM	FPM	9630020899
		FFPM	FFPM	9630042973
		FFPM	NBR	
Tungsten Carbide / Tungsten Carbide	Tungsten Carbide / Tungsten Carbide	FFPM	EPDM	9630022459
		FFPM	NBR	9630066039
		FFPM	EPDM	9630061973
		FFPM	FPM	9630050779
		FFPM	FFPM	9630060209
Silicon Carbide / Silicon Carbide	Stainless Steel / Carbon	FFPM	NBR	
		FFPM	EPDM	9630097660
		FFPM	FPM	9630085532
		FFPM	FFPM	
		FFPM	NBR	
Silicon Carbide / Silicon Carbide	Silicon Carbide / Silicon Carbide	FFPM	EPDM	
		FFPM	NBR	
		FFPM	EPDM	
		FFPM	FPM	
		FFPM	FFPM	

Note: Above are listed the most common seal ring / O-Ring combinations - for other combinations see p..

Pos	Qty	Denomination	SRU4 Item No.
75	2	O-Ring (FPM)	9630921686
79	2	Housing, BSPT	9630023635
-	2	Housing, NPT	9630045904
-	4	Elbow, BSPT	9630034032
-	4	Elbow, NPT	9630034033
-	4	Stud	9630025823
-	4	Nut, Stud	

Note: Elbows only required on horizontally ported pumps with flanged connections.

1.4



2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.

Inboard Seal Rotary Seal / Stationary Seal Ring	Outboard Seal Rotary Seal / Stationary Seal Ring	Inboard Seal O-Ring	Outboard Seal O-Ring	SRU5 Item No.
Stainless Steel / Carbon	Stainless Steel / Carbon	NBR EPDM FPM FFPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630039093 9630046016 9630042534 9630056839
Stainless Steel / Inserted Carbon	Stainless Steel / Inserted Carbon	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630039757 9630054831 9630091324
Tungsten Carbide / Tungsten Carbide	Stainless Steel / Carbon	NBR EPDM FPM FFPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630039760 9630040624 9630020927 9630045112
Tungsten Carbide / Tungsten Carbide	Tungsten Carbide / Tungsten Carbide	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630045614 9630061989 9630048424 9630065194
Silicon Carbide / Silicon Carbide	Stainless Steel / Carbon	NBR EPDM FPM PTFE PTFE PTFE PTFE	NBR EPDM FPM PTFE NBR EPDM FPM	9630050392
Silicon Carbide / Silicon Carbide	Silicon Carbide / -RSilicon Carbide	NBR EPDM FPM FFPM FFPM FFPM	NBR EPDM FPM FFPM NBR EPDM FPM	9630096517 9630097136 9630051629

Note: Above are listed the most common seal ring / O-Ring combinations - for other combinations see p..

Pos	Qty	Denomination	SRU5 Item No.
75	2	O-Ring (FPM)	9630921683
79	2	Housing, BSPT	9630040950
-	2	Housing, NPT	9630046650
-	4	Stud	9630028904
-	4	Nut, Stud	

1.4

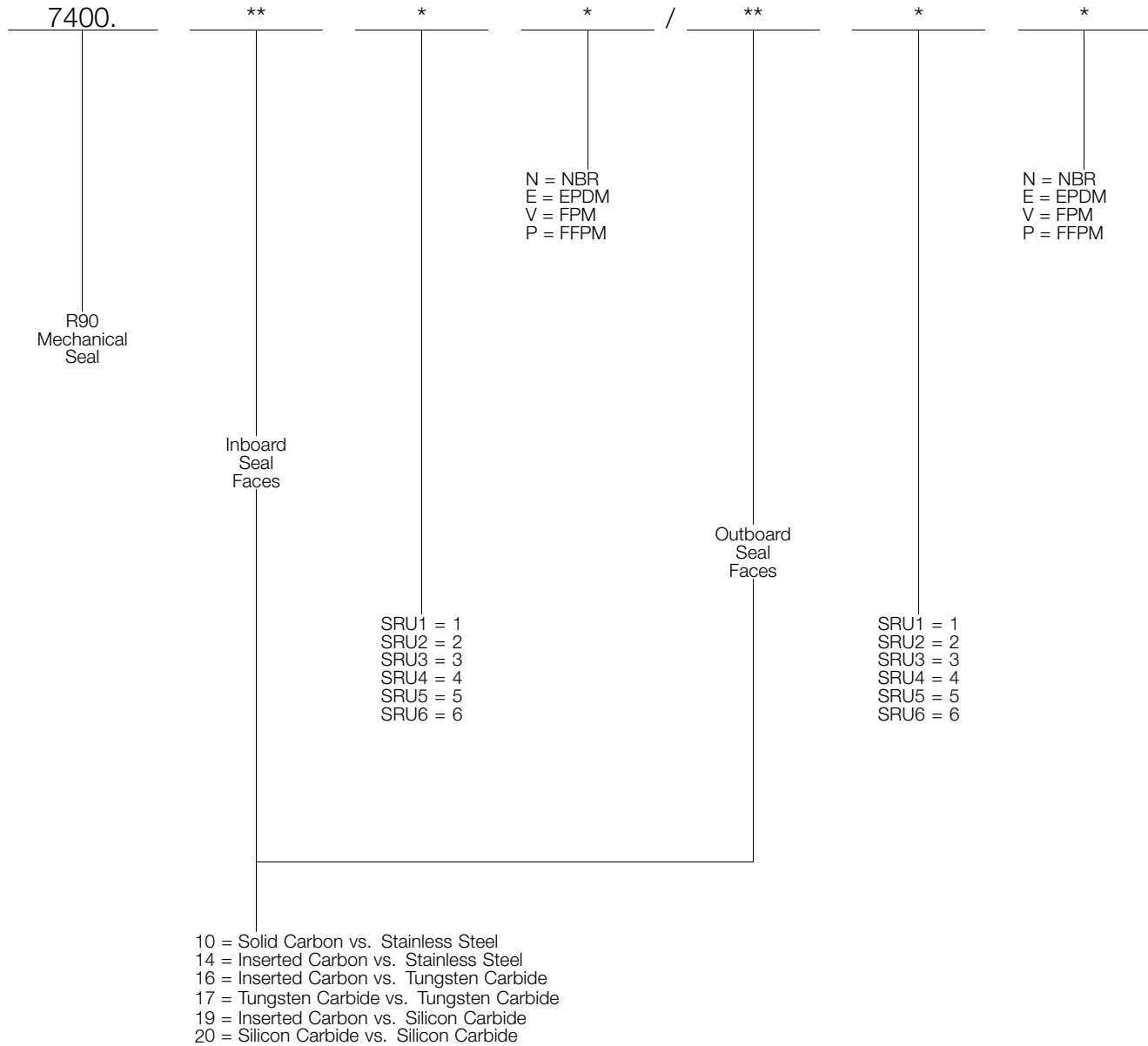


The table below shows how to create the complete seal part number.

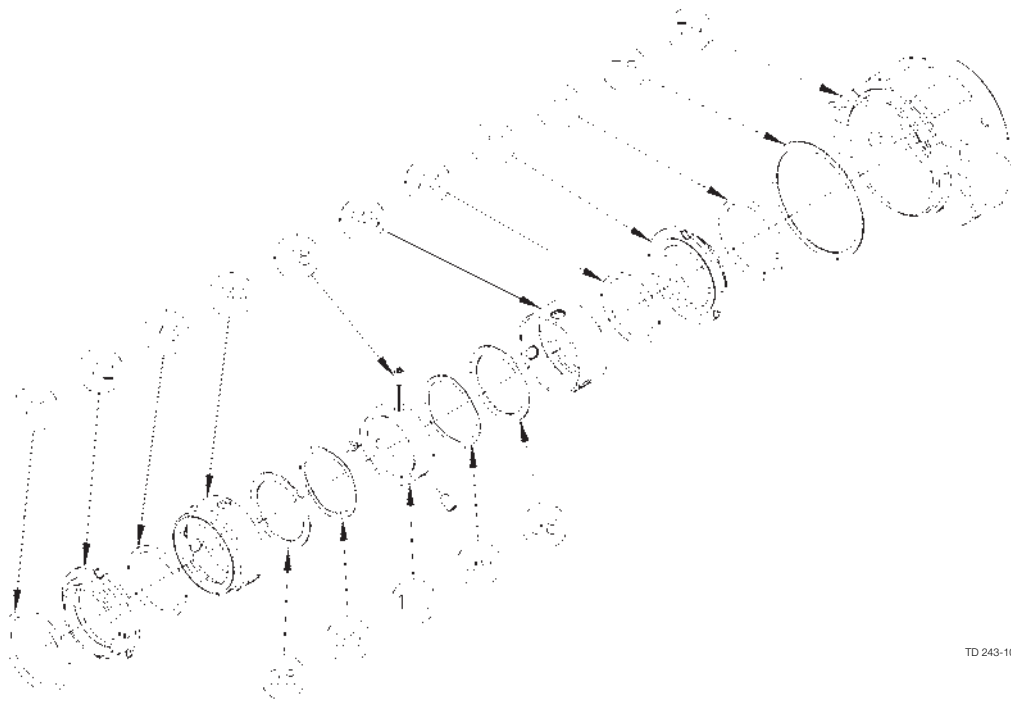
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**Example: 7400.174V/144V**

Double R90 seal with Tungsten Carbide vs. Tungsten Carbide faces inboard with FPM product wetted O-rings and Inserted Carbon vs. Stainless Steel outboard faces with FPM flush wetted O-rings for SRU4 pump model.







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Pos	Qty	Denomination	SRU1 Item No	SRU2 Item No
<b>R90 Double Mechanical Seals (Parts) - SRU1 and SRU2 Pump Models</b>				
71	4	Stationary Seal Ring O-Ring, NBR	9630028449	9630027299
	4	Stationary Seal Ring O-Ring, EPDM	9630027782	9630028377
	4	Stationary Seal Ring O-Ring, FPM		9630028379
72	4	Stationary Seal Ring O-Ring, FFPM	9630019763	9630028374
	4	Stationary Seal Ring (inboard and outboard), Solid Carbon	9630026215	9630026164
	4	Stationary Seal Ring (inboard and outboard), Inserted Carbon	9630025257	9630025258
	4	Stationary Seal Ring (inboard and outboard), Tungsten Carbide	9630029728	9630026168
	4	Stationary Seal Ring (inboard and outboard), Silicon Carbide	9630026003	9630044552
73	4	Rotary Seal Ring O-Ring, NBR	9630028460	9630027301
	4	Rotary Seal Ring O-Ring, EPDM	9630028446	9630028378
	4	Rotary Seal Ring O-Ring, FPM		9630028380
	4	Rotary Seal Ring O-Ring, FFPM	9630028382	9630028375
74a	2	Rotary Seal Assembly (inboard), Stainless Steel	9630030218	9630025252
	2	Rotary Seal Assembly (inboard), Tungsten Carbide	9630026464	9630026209
74b	2	Rotary Seal Assembly (inboard), Silicon Carbide	9630027025	9630044551
	2	Rotary Seal Assembly (outboard), Stainless Steel	9630025251	9630030219
	2	Rotary Seal Assembly (outboard), Tungsten Carbide	9630030106	9630026570
	2	Rotary Seal Assembly (outboard), Silicon Carbide	9630027018	9630027024

Note:

SRU1 pump - Rotary Seal Assembly Inboard (74A) comprises of rotary seal ring, wave spring (99), washer (98), drive ring (100) and grub screw (78).

Rotary Seal Assembly Outboard (74B) comprises of rotary seal ring, wave spring (99) and washer (98).

SRU2 pump - Rotary Seal Assembly Inboard (74A) comprises of rotary seal ring, wave spring (99) and washer (98) . Rotary Seal Assembly Outboard (74B) comprises of rotary seal ring, wave spring (99), washer (98) grub screw (78) and drive ring (100).

78	6	Grub Screw	9630030299	9630030299
98	4	Washer	9630045430	9630045431
99	4	Wave Spring (see note 1)	9630026769	9630026770
100	2	Drive Ring	9630064227	9630064228

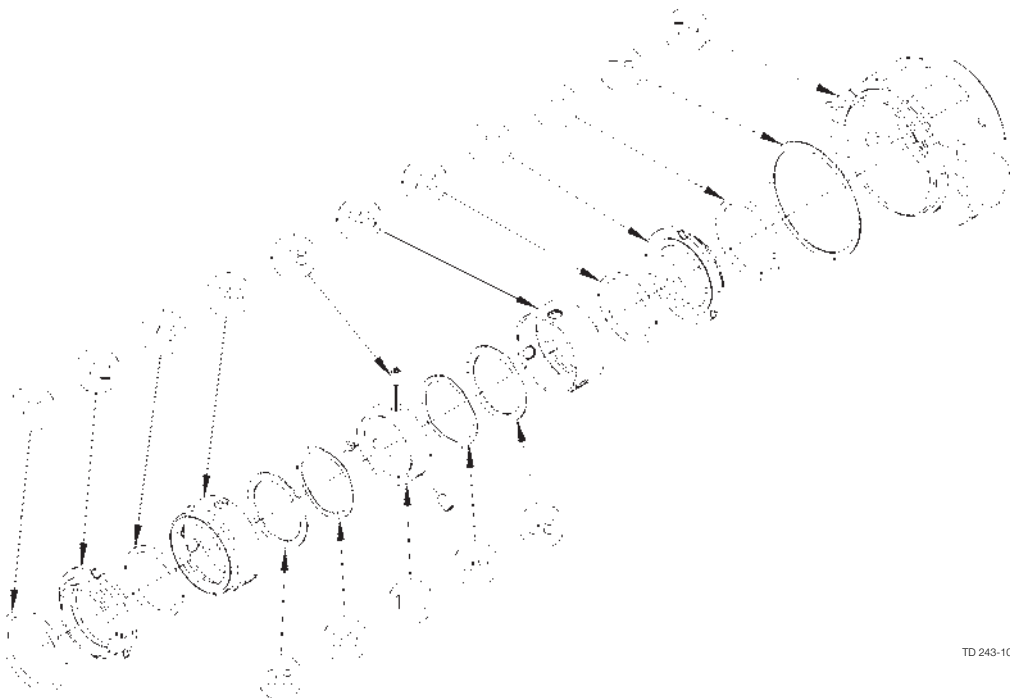
Pos	Qty	Denomination	SRU3 Item No	SRU4 Item No
<b>R90 Double Mechanical Seals (Parts) - SRU3 and SRU4 Pump Models</b>				
71	4	Stationary Seal Ring O-Ring, NBR	9630028368	9630028260
	4	Stationary Seal Ring O-Ring, EPDM	9630028321	9630025642
	4	Stationary Seal Ring O-Ring, FPM		
72	4	Stationary Seal Ring O-Ring, FFPM	9630028266	9630026096
	4	Stationary Seal Ring (inboard or outboard), Solid Carbon	9630026163	9630017815
	4	Stationary Seal Ring (inboard or outboard), Inserted Carbon	9630026162	9630035092
	4	Stationary Seal Ring (inboard or outboard), Tungsten Carbide	9630017810	9630026167
	4	Stationary Seal Ring (inboard or outboard), Silicon Carbide	9630027021	9630027020
73	4	Rotary Seal Ring O-Ring, NBR	9630024280	9630028263
	4	Rotary Seal Ring O-Ring, EPDM	9630024206	9630025646
	4	Rotary Seal Ring O-Ring, FPM		
	4	Rotary Seal Ring O-Ring, FFPM	9630024254	9630026094
74a	2	Rotary Seal Assembly (inboard), Stainless Steel	9630026160	9630025253
	2	Rotary Seal Assembly (inboard), Tungsten Carbide	9630025255	9630026217
74b	2	Rotary Seal Assembly (inboard), Silicon Carbide	9630027017	9630027016
	2	Rotary Seal Assembly (outboard), Stainless Steel	9630026877	9630026882
	2	Rotary Seal Assembly (outboard), Tungsten Carbide	9630026569	9630026585
	2	Rotary Seal Assembly (outboard), Silicon Carbide	9630027023	9630045909

Note:

Rotary Seal Assembly Inboard (74A) comprises of rotary seal ring, wave spring (99) and washer (98) . Rotary Seal Assembly Outboard (74B) comprises of rotary seal ring, wave spring (99), washer (98) grub screw (78) and drive ring (100).

78	6	Grub Screw	9630030299	
98	4	Washer	9630045432	9630045433
99	4	Wave Spring (see note 1)	9630022957	9630026228
100	2	Drive Ring	9630064229	9630064230

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Pos	Qty	Denomination	SRU5 Item No	SRU6 Item No
<b>R90 Double Mechanical Seals (Parts) - SRU5 and SRU6 Pump Models</b>				
71	4	Stationary Seal Ring O-Ring, NBR	9630025417	9630027486
	4	Stationary Seal Ring O-Ring, EPDM	9630025437	9630029893
	4	Stationary Seal Ring O-Ring, FPM		9630029897
72	4	Stationary Seal Ring O-Ring, FFPM	9630025846	9630029885
	4	Stationary Seal Ring (inboard or outboard), Solid Carbon	9630026196	9630029729
	4	Stationary Seal Ring (inboard or outboard), Inserted Carbon	9630026207	9630026165
	4	Stationary Seal Ring (inboard or outboard), Tungsten Carbide	9630026219	9630026193
	4	Stationary Seal Ring (inboard or outboard), Silicon Carbide	9630044328	9630027019
73	4	Rotary Seal Ring O-Ring, NBR	9630026648	9630026625
	4	Rotary Seal Ring O-Ring, EPDM	9630025314	9630029896
	4	Rotary Seal Ring O-Ring, FPM		9630026693
	4	Rotary Seal Ring O-Ring, FFPM	9630026704	9630029889
74a	2	Rotary Seal Assembly (inboard), Stainless Steel	9630026210	9630025254
	2	Rotary Seal Assembly (inboard), Tungsten Carbide	9630025256	9630026166
74b	2	Rotary Seal Assembly (inboard), Silicon Carbide	9630026651	9630026650
	2	Rotary Seal Assembly (outboard), Stainless Steel	9630026172	9630026449
	2	Rotary Seal Assembly (outboard), Tungsten Carbide	9630026584	9630022294
	2	Rotary Seal Assembly (outboard), Silicon Carbide	9630027022	9630046520

Note:

Rotary Seal Assembly Inboard (74A) comprises of rotary seal ring, wave spring (99) and washer (98) . Rotary Seal Assembly Outboard (74B) comprises of rotary seal ring, wave spring (99), washer (98) grub screw (78) and drive ring (100).

78	6	Grub Screw	9630030300	9630026071
98	4	Washer	9630045434	9630045435
99	4	Wave Spring (see note 1)	9630026208	-
	24	Coil Spring	-	9630026227
100	2	Drive Ring	9630064231	9630058823

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Pos	Qty	Denomination	SRU1 Item No.	SRU2 Item No.
<b>2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement</b>				
		Rotary Seal/Stationary Seal Ring - Stainless Steel/Carbon, NBR	9630070142	9630046729
		Rotary Seal/Stationary Seal Ring - Stainless Steel/Carbon, EPDM	9630053608	9630046731
		Rotary Seal/Stationary Seal Ring - Stainless Steel/Carbon, FPM	9630060999	9630046730
		Rotary Seal/Stationary Seal Ring - Silicon Carbide/Carbon, NBR	9630090687	9630046745
		Rotary Seal/Stationary Seal Ring - Silicon Carbide/Carbon, EPDM	9630090686	9630046747
		Rotary Seal/Stationary Seal Ring - Silicon Carbide/Carbon, FPM	9630057357	9630046746
		Rotary Seal/Stationary Seal Ring - Silicon Carbide/Silicon Carbide, NBR	9630090685	9630046758
		Rotary Seal/Stationary Seal Ring - Silicon Carbide/Silicon Carbide, EPDM	9630053609	9630046760
		Rotary Seal/Stationary Seal Ring - Silicon Carbide/Silicon Carbide, FPM	9630065312	9630046759

<b>Additional parts to convert pump fitted with above Hyclean seals to single flushed seals</b>				
-	1	Conversion kit - BSPT	9630091231	9630091233
-	1	Conversion kit - NPT	9630091232	9630091234

<b>Conversion kits comprising of:-</b>				
79	2	Housing, BSPT	9630054246	9630034722
	2	Housing, NPT	9630054248	9630041956
87	2	O-Ring (FPM)	9630027378	9630037158
88	2	Lip Seal (FPM)	9630054231	9630043050
-	4	Screw, Housing		9630024601

Pos	Qty	Denomination	SRU3 Item No.	SRU4 Item No.
		Rotary Seal /Stationary Seal Ring - Stainless Steel / Carbon, NBR	9630046733	9630046737
		Rotary Seal /Stationary Seal Ring - Stainless Steel / Carbon, EPDM	9630046735	9630046741
		Rotary Seal /Stationary Seal Ring - Stainless Steel / Carbon, FPM	9630046734	9630046740
		Rotary Seal /Stationary Seal Ring - Silicon Carbide / Carbon, NBR	9630046749	9630046752
		Rotary Seal /Stationary Seal Ring - Silicon Carbide / Carbon, EDPM	9630046751	9630046754
		Rotary Seal /Stationary Seal Ring - Silicon Carbide / Carbon, FPM	9630046750	9630046753
		Rotary Seal /Stationary Seal Ring - Silicon Carbide /Silicon Carbide, NBR	9630046761	9630046765
		Rotary Seal /Stationary Seal Ring - Silicon Carbide /Silicon Carbide, EPDM	9630046763	9630046767
		Rotary Seal /Stationary Seal Ring - Silicon Carbide /Silicon Carbide, FPM	9630046762	9630046766

<b>Additional parts to convert pump fitted with above Hyclean seals to single flushed seals</b>				
-	1	Conversion kit - BSPT	9630091235	9630091237
-	1	Conversion kit - NPT	9630091236	9630091238
<b>Conversion kits comprising of:-</b>				
79	2	Housing, BSPT	9630042563	9630029496
	2	Housing, NPT	9630042326	9630042327
87	2	O-Ring (FPM)	9630043058	9630043060
88	2	Lip Seal (FPM)	9630024046	9630043052
-	4	Screw, Housing	9630024635	9630024635

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Rotary Lobe Pumps      Hyclean single mechanical seals (complete) - SRU1 to SRU6 pump models

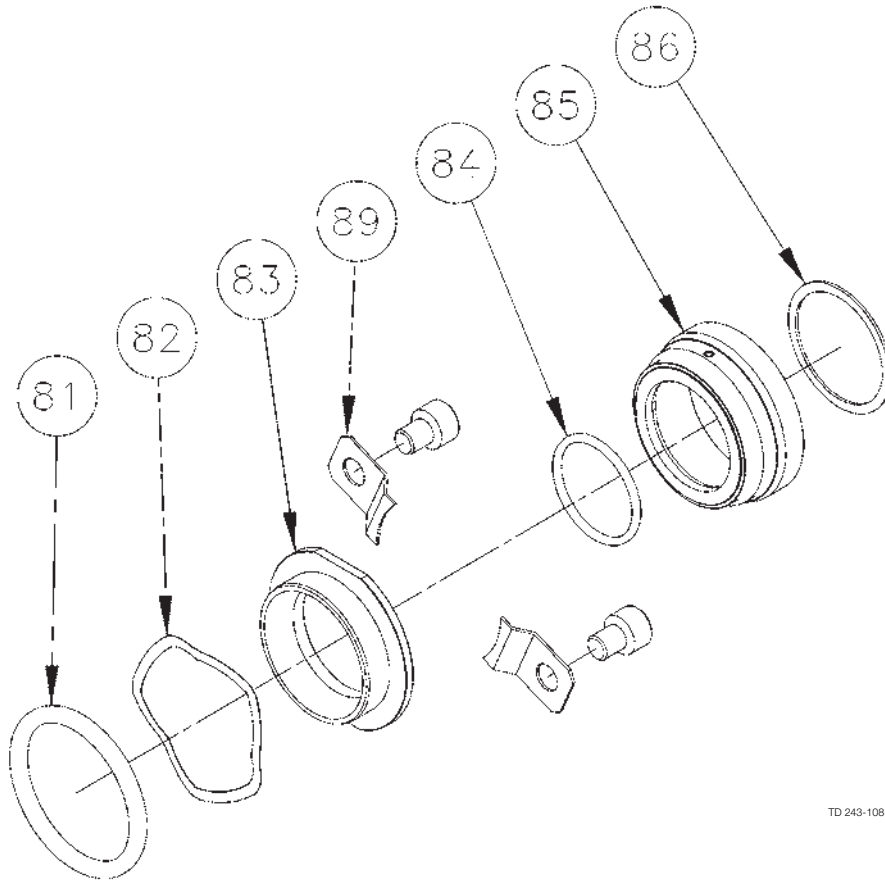
2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

Rotary Seal / Stationary Seal Ring	O-Rings	SRU5 Item No.	SRU6 Item No.
Stainless Steel / Carbon	NBR	9630046738	9630053215
	EPDM	9630046744	9630041719
	FPM	9630046743	9630030780
Silicon Carbide / Carbon	NBR	9630046755	9630090689
	EPDM	9630046757	9630041729
	FPM	9630046756	9630057267
Silicon Carbide / Silicon Carbide	NBR	9630046769	9630060539
	EPDM	9630046771	9630041720
	FPM	9630046770	9630049360

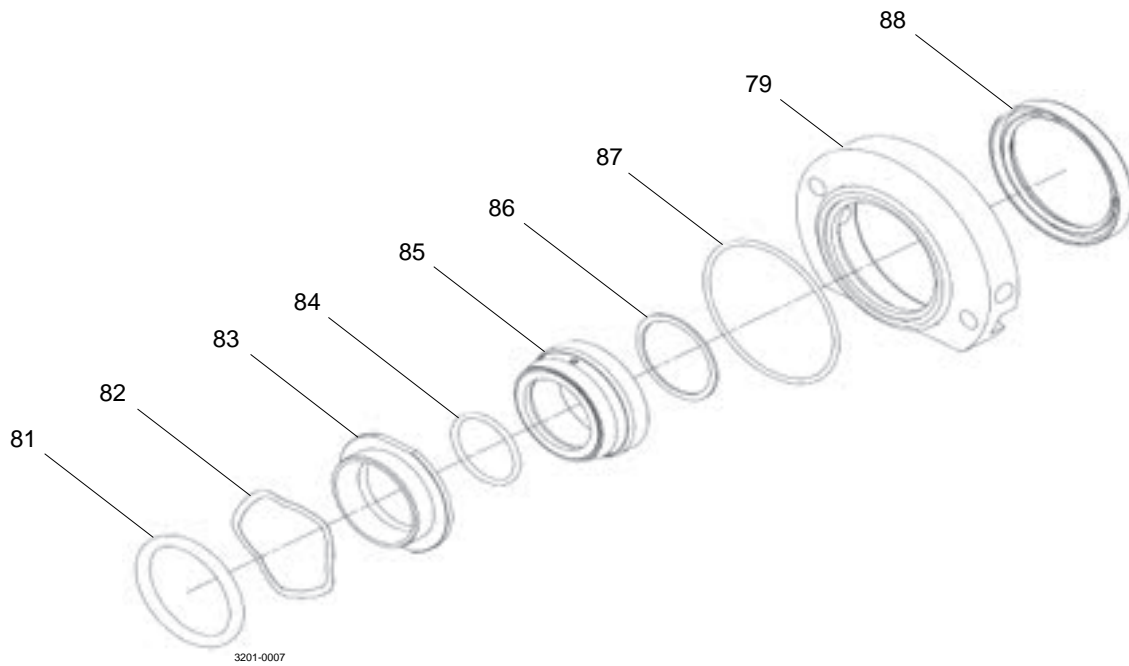
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Additional parts to convert pump fitted with above Hyclean seals to single flushed seals

Description	Drawing Item No.	Qty	SRU5 Item No.	SRU6 Item No.
Conversion kit - BSPT	-	1	9630091239	9630091241
Conversion kit - NPT	-		9630091240	9630091242
<b>Conversion kits comprising of:-</b>				
Housing, BSPT			9630042118	9630050398
Housing, NPT	79	2	9630042121	9630049929
O-Ring (FPM)	87	2	9630043063	9630031929
Lip Seal (FPM)	88	2	9630028335	9630032804
Screw, Housing	-	4	9630024618	-
Stud	-	4	-	-
Nut	-	4	-	-
Washer	-	4	-	9630024233



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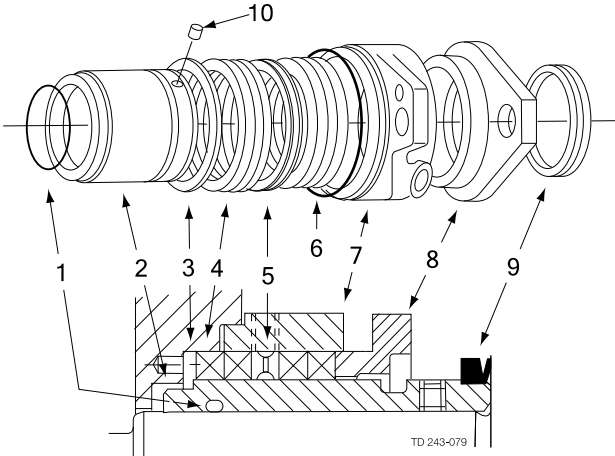
Pos	Qty	Denomination	SRU1 Item No	SRU2 Item No
81	2	Rotorcase O-Ring, NBR	9630050800	9630042759
	2	Rotorcase O-Ring, EPDM	9630050799	9630042761
	2	Rotorcase O-Ring, FPM	9630050801	9630042760
82	2	Wave Spring	9630050798	9630042767
83	2	Stationary Seal Ring, Solid Carbon	9630031237	9630029349
	2	Stationary Seal Ring, Silicon Carbide	9630023183	9630029474
	2	Stationary Seal Ring, Inserted Sil.Car.	-	9630057066
84	2	Shaft O-Ring, NBR	9630023345	9630019400
	2	Shaft O-Ring, EPDM	9630023526	9630025331
	2	Shaft O-Ring, FPM	9630023406	9630019399
85	2	Rotary Seal Ring, Stainless Steel	9630031240	9630042757
	2	Rotary Seal Ring, Silicon Carbide	9630031241	9630042758
86	2	Washer, NBR	9630050796	9630046535
	2	Washer, FPM	9630050797	9630046695
89	4	Retaining Clip	9630050761	9630042394
	4	Screw, retaining clip	9630027365	9630027365

Pos	Qty	Denomination	SRU3 Item No	SRU4 Item No
81	2	Rotorcase O-Ring, NBR	9630042771	9630042786
	2	Rotorcase O-Ring, EPDM	9630042773	9630042788
	2	Rotorcase O-Ring, FPM	9630042772	9630042787
82	2	Wave Spring	9630042780	9630042794
83	2	Stationary Seal Ring, Solid Carbon	9630037760	9630025796
	2	Stationary Seal Ring, Silicon Carbide	9630042768	9630042783
	2	Stationary Seal Ring, Inserted Sil.Car.	9630056418	9630052311
84	2	Shaft O-Ring, NBR	9630046505	9630023353
	2	Shaft O-Ring, EPDM	9630046509	9630023531
	2	Shaft O-Ring, FPM	9630046508	9630023418
85	2	Rotary Seal Ring, Stainless Steel	9630042769	9630042784
	2	Rotary Seal Ring, Silicon Carbide	9630042770	9630042785
86	2	Washer, NBR	9630046536	9630046537
	2	Washer, FPM	9630046696	9630046697
89	4	Retaining Clip	9630042396	9630042396
	4	Screw, retaining clip	9630042399	9630042399

Pos	Qty	Denomination	SRU5 Item No	SRU6 Item No
81	2	Rotorcase O-Ring, NBR	9630042799	9630048174
	2	Rotorcase O-Ring, EPDM	9630042801	9630030198
	2	Rotorcase O-Ring, FPM	9630042800	9630048175
82	2	Wave Spring	9630042807	9630048005
83	2	Stationary Seal Ring, Solid Carbon	9630039819	9630047980
	2	Stationary Seal Ring, Silicon Carbide	9630042795	-
	2	Stationary Seal Ring, Inserted Sil.Car.	9630052312	9630048002
84	2	Shaft O-Ring, NBR	9630046511	9630025417
	2	Shaft O-Ring, EPDM	9630046514	9630025437
	2	Shaft O-Ring, FPM	9630046513	
85	2	Rotary Seal Ring, Stainless Steel	9630042797	9630048004
	2	Rotary Seal Ring, Silicon Carbide	9630042798	9630048003
86	2	Washer, NBR	9630046538	9630048006
	2	Washer, FPM	9630046698	9630048007
89	4	Retaining Clip	9630042396	9630042396
	4	Screw, retaining clip	9630042399	9630042399

Note: Retaining clip and screw not required for flushed seals.

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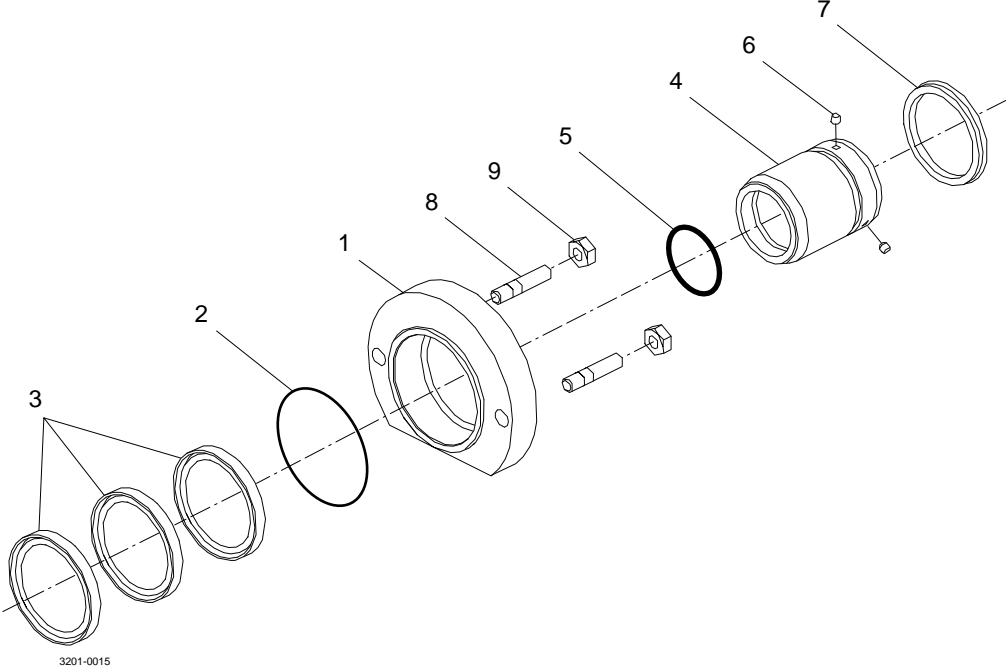
All SRU pumps are fitted with 10 packing rings (i.e.5 per shaft) except SRU1, which has 8 packing rings (i.e. 4 per shaft). If a lantern ring is fitted, this replaces 1 packing ring on each shaft.

Pos	Qty	Denomination	SRU1	SRU2
			Item No	Item No
1	2	Shaft Sleeve O-Ring, NBR	9630034652	9630024180
	2	Shaft Sleeve O-Ring, EPDM	9630043405	9630043406
	2	Shaft Sleeve O-Ring, FPM	9630034859	9630024181
	2	Shaft Sleeve O-Ring, PTFE	9630034860	9630031603
2	2	Shaft Sleeve, St. Stl.	9630030335	9630032656
	2	Shaft Sleeve, Hardened	9630034852	9630031521
3	2	Spacer	9630034857	9630031533
4	10	Gland Packing, Polyamide	9630034863	9630025189
	10	Gland Packing, PTFE	9630034864	9630021041
5	2	Lantern Ring (if fitted)	9630034869	9630031639
6	1	Gasket	9630062179	-
7	2	Housing, Unflushed	9630034843	9630031527
	2	Housing, Flush BSPT	9630101726	9630031529
	2	Housing, Flush NPT	9630101727	9630032351
8	2	Gland Follower	9630033379	9630031525
9	2	Slinger	9630034858	9630031784
10	6	Screw	9630024658	-
	4	Nut	9630058700	9630058699
	4	Stud	9630034862	-

Pos	Qty	Denomination	SRU3	SRU4
			Item No	Item No
1	2	Shaft Sleeve O-Ring, NBR	9630024120	9630024129
	2	Shaft Sleeve O-Ring, EPDM	9630043403	9630043109
	2	Shaft Sleeve O-Ring, PTFE	-	9630031605
2	2	Shaft Sleeve, St. Stl.	9630033149	9630041933
4	10	Gland Packing, Polyamide	9630025390	9630025439
5	2	Lantern Ring (if fitted)	9630031640	9630031641
7	2	Housing, Flush BSPT	9630031465	9630031345
	2	Housing, Flush NPT	9630032353	9630023254
8a	4	Split Gland Follower	-	9630051586
8b	4	Split Gland Follower Plate	-	9630051619
8c	4	Screw, Split Gland Follower	-	9630040714
	4	Nut	9630058699	9630025350
	4	Stud	9630058750	9630042574

Pos	Qty	Denomination	SRU5	SRU6
			Item No	Item No
1	2	Shaft Sleeve O-Ring, EPDM	9630025794	-
	2	Shaft Sleeve O-Ring, FPM	-	9630024289
	2	Shaft Sleeve O-Ring, PTFE	9630024367	9630024337
2	2	Shaft Sleeve	9630031081	9630030928
3	2	Spacer	9630031087	9630030926
4	10	Gland Packing, Polyamide	9630025915	9630021037
	10	Gland Packing, PTFE	9630026564	9630026406
5	2	Lantern Ring (if fitted)	9630031642	9630031643
7	2	Housing, Unflushed	9630031061	9630030918
	2	Housing, Flush BSPT	9630031063	9630030936
	2	Housing, Flush NPT	9630032355	9630032356
8a	4	Split Gland Follower	9630051180	9630052130
8b	4	Split Gland Follower Plate	9630052140	9630052134
8c	4	Screw, Split Gland Follower	9630040714	9630051541
9	2	Slinger	9630031800	9630031801
10	6	Screw	9630030300	9630030300
	4	Stud	9630028904	9630028906

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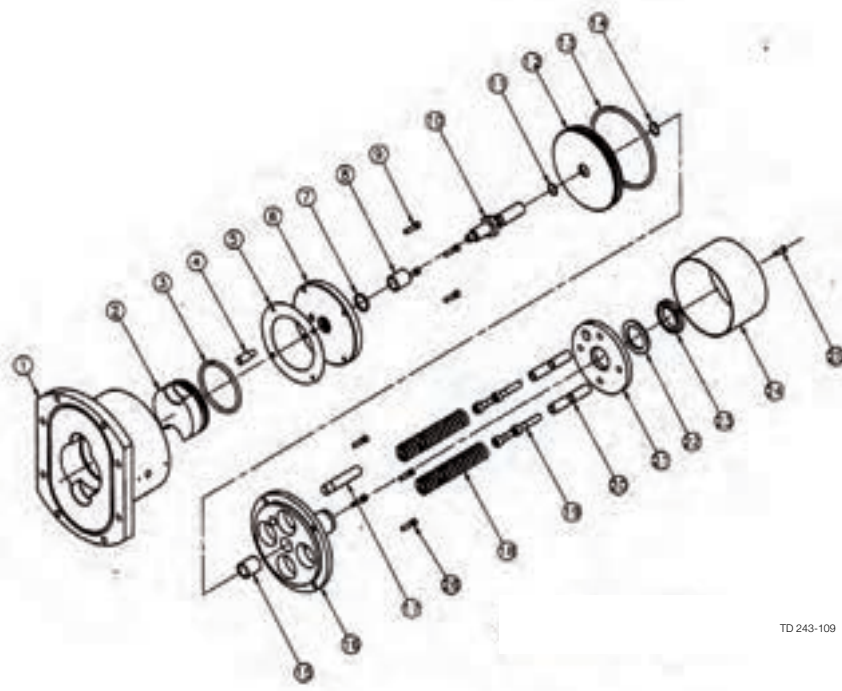


Pos	Qty	Denomination	SRU1 Item No	SRU2 Item No
1	2	Seal Housing		9630931339
2	1	Gasket	9630062179	
	2	O-ring		9630063230
3	6	Lip Seal, NBR	9630937396	9630931338
4	2	Shaft Sleeve, Hardened	9630034852	9630031521
5	2	Shaft Sleeve O-Ring, NBR	9630034652	9630024180
6	6	Shaft Sleeve Screw	9630024658	9630026007
7	2	Slinger	9630034858	9630031784
8	4	Stud	9630062341	9630058570
9	4	Nut	9630024061	9630024057
	4	Washer	9630030121	9630024231
10	2	Circlip		

Pos	Qty	Denomination	SRU3 Item No	SRU4 Item No
1	2	Seal Housing	9630937329	9630937333
2	2	O-ring	9630921685	9630921686
3	6	Lip Seal, NBR	9630937400	9630937397
4	2	Shaft Sleeve, Hardened	9630033145	9630031339
5	2	Shaft Sleeve O-Ring, NBR	9630024120	9630024129
6	6	Shaft Sleeve Screw	9630026007	9630026007
7	2	Slinger	9630031797	9630031798
8	4	Stud	9630058570	9630027485
9	4	Nut	9630024057	9630024051
	4	Washer	9630024231	9630024233
10	2	Circlip		

Pos	Qty	Denomination	SRU5 Item No	SRU6 Item No
1	2	Seal Housing	9630937334	9630937335
2	2	O-ring	9630921683	9630921687
3	6	Lip Seal, NBR	9630937398	9630937399
4	2	Shaft Sleeve, Hardened	9630031081	9630030928
5	2	Shaft Sleeve O-Ring, NBR	9630024193	9630024267
6	6	Shaft Sleeve Screw	9630030300	9630030300
7	2	Slinger	9630031800	9630031801
8	4	Stud	9630034343	9630025823
9	4	Nut	9630024051	9630024051
	4	Washer	9630024233	9630024233

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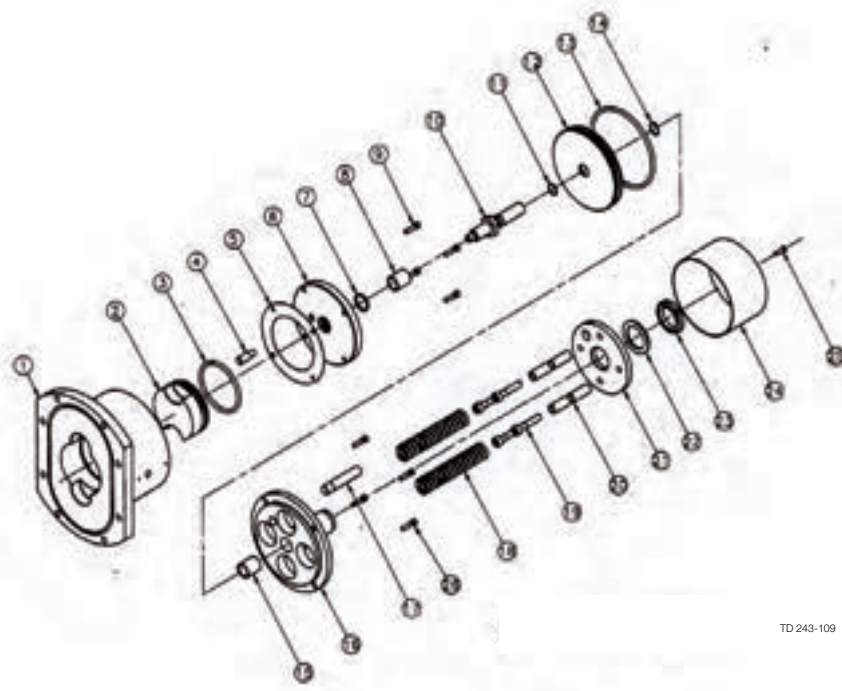
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For elastomers required: N = NBR, E = EPDM, V = FPM and P = PTFE.

Pos	Qty	Denomination	SRU1 Item No.	SRU2 Item No.	SRU3 Item No.
Complete assembly includes rotorcase cover.					
		Valve type Std pressure < 12 bar (SRU1) < 10 bar (2-3)	9630032548	9630032550	9630032551
		Valve type Std pressure < 12 bar (SRU1) < 10 bar (2-3)	9630047160	9630027296	9630043291
		Valve type Std pressure < 12 bar (SRU1) < 10 bar (2-3)	9630032549	9630033115	9630033119
		Valve type Std pressure < 12 bar (SRU1) < 10 bar (2-3)	9630034307	9630034216	9630034567
		Valve type High pressure > 12 bar (SRU1) > 10 bar (2-3)	9630045539	9630024964	9630048177
		Valve type High pressure > 12 bar (SRU1) > 10 bar (2-3)	9630047618	9630024957	9630045905
		Valve type High pressure > 12 bar (SRU1) > 10 bar (2-3)	9630037687	9630045997	9630045609
		Valve type High pressure > 12 bar (SRU1) > 10 bar (2-3)	9630047617	9630024959	9630048178
		Valve type Std pressure < 12 bar (SRU1) < 10 bar (2-3) with lever lift	9630044546	9630045082	9630046971
		Valve type Std pressure < 12 bar (SRU1) < 10 bar (2-3) with lever lift	9630091243	9630046972	9630046973
		Valve type Std pressure < 12 bar (SRU1) < 10 bar (2-3) with lever lift	9630091244	9630059453	9630026838
		Valve type Std pressure < 12 bar (SRU1) < 10 bar (2-3) with lever lift	9630091245	9630091250	9630091255
		Valve type High pressure > 12 bar (SRU1) > 10 bar (2-3) with lever lift	9630091246	9630091251	9630091256
		Valve type High pressure > 12 bar (SRU1) > 10 bar (2-3) with lever lift	9630091247	9630091252	9630091257
		Valve type High pressure > 12 bar (SRU1) > 10 bar (2-3) with lever lift	9630091248	9630091253	9630091258
		Valve type High pressure > 12 bar (SRU1) > 10 bar (2-3) with lever lift	9630091249	9630091254	9630091259

Pos	Qty	Denomination	SRU4 Item No.	SRU5 Item No.
		Valve type Std pressure< 10 bar	9630032552	9630032553
		Valve type Std pressure< 10 bar	9630039307	9630045541
		Valve type Std pressure< 10 bar	9630033120	9630033128
		Valve type Std pressure< 10 bar	9630034189	9630045590
		Valve type High pressure> 10 bar	9630033094	9630047693
		Valve type High pressure> 10 bar	9630031450	9630047692
		Valve type High pressure> 10 bar	9630037120	9630029103
		Valve type High pressure> 10 bar	9630030615	9630045543
		Valve type Std pressure < 10 bar with lever lift	9630091260	9630091265
		Valve type Std pressure < 10 bar with lever lift	9630046974	9630091266
		Valve type Std pressure < 10 bar with lever lift	9630075494	9630047273
		Valve type Std pressure < 10 bar with lever lift	9630042755	9630042284
		Valve type High pressure> 10 bar with lever lift	9630091261	9630091267
		Valve type High pressure> 10 bar with lever lift	9630091262	9630091268
		Valve type High pressure> 10 bar with lever lift	9630091263	9630091269
		Valve type High pressure> 10 bar with lever lift	9630091264	9630091270

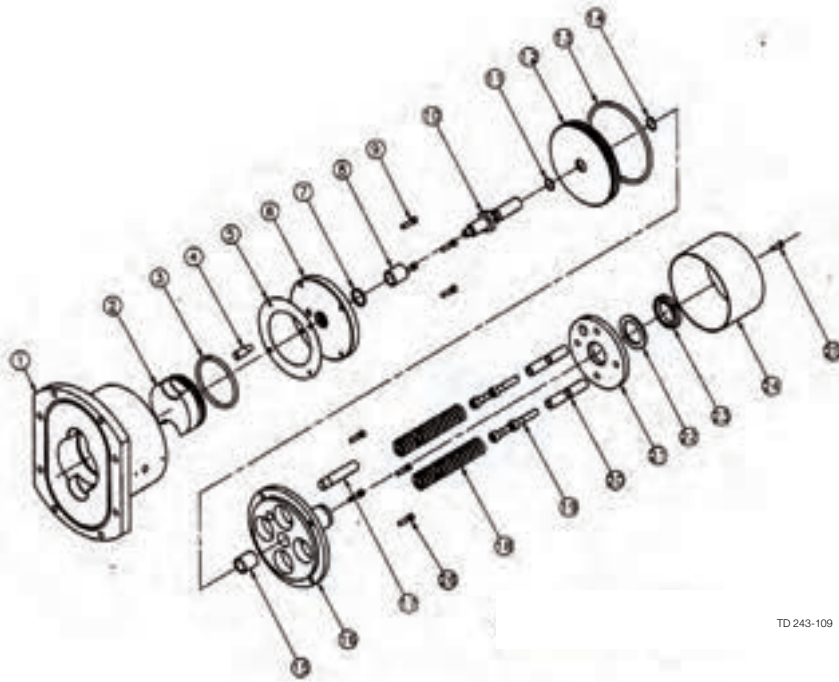
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TD 243-109

Pos	Qty	Denomination	SRU6 STD. Item No.	SRU6 with lever lift Item No.
		Valve type < 7 bar	9630032554	9630091272
		Valve type < 7 bar	9630057151	9630055893
		Valve type < 7 bar	9630033133	9630054329
		Valve type < 7 bar	9630042269	9630042271
		Valve type < 10 bar	9630045542	9630091273
		Valve type < 10 bar	9630025005	9630091274
		Valve type < 10 bar	9630046886	9630091275
		Valve type < 10 bar	9630022269	9630091276
		Valve type < 15 bar	9630038272	9630091277
		Valve type < 15 bar	9630058067	9630091278
		Valve type < 15 bar	9630045807	9630091279
		Valve type < 15 bar	9630048700	9630091280
		Valve type < 18 bar	9630049002	9630091281
		Valve type < 18 bar	9630062101	9630091282
		Valve type < 18 bar	9630036122	9630091283
		Valve type < 18 bar	9630091271	9630091284

1.4



TD 243-109



Pos	Qty	Denomination	SRU1-3 Item No	SRU4-5 Item No
1	1	Rotorcase cover, SRU1	9630929657	
	1	Rotorcase cover, SRU2	9630929658	
	1	Rotorcase cover, SRU3	9630929659	
	1	Rotorcase cover, SRU4		9630929660
	1	Rotorcase cover, SRU5		9630929661
2	1	Hydraulic Piston, SRU1	9630047336	
	1	Hydraulic Piston, SRU2	9630047338	
	1	Hydraulic Piston, SRU3	9630047340	
	1	Hydraulic Piston, SRU4		9630047649
	1	Hydraulic Piston, SRU5		9630047651
3	1	O-Ring, Hydraulic Piston, NBR	9630024129	9630024127
	1	O-Ring, Hydraulic Piston, EPDM	9630043109	9630043110
	1	O-Ring, Hydraulic Piston, FPM		
	1	O-Ring, Hydraulic Piston, PTFE	9630031605	9630032248
4	1	Valve Pin	9630924930	9630924931
5	1	Shim set, St. Stl.	9630101745	9630101746
6	1	Backstop disc	9630924932	9630924933
7	1	O-Ring (NBR), Backstop disc	9630027508	9630031831
8/15	2	Bush	9630047342	9630047647
9	4	Screw, Backstop disc	9630024601	
10	1	Valve shaft, Standard	9630027738	9630031808
	1	Valve shaft, for lever lift	9630042536	9630042279
11	1	O-Ring (NBR), Pneumatic piston	9630027500	9630031829
12	1	Pneumatic Piston	9630026981	9630031814
13	1	O-Ring (NBR), Pneumatic piston	9630027160	9630031830
14	1	Circlip	9630027978	9630031833
16	1	Valve Guide, Standard	9630025565	9630031816
	1	Valve Guide, For lever lift	9630042540	9630042273
17	1	Valve Guide Pin	9630027456	9630031824
18	4	Spring, compression, < 10 bar	9630029781	9630033372
	4	Spring, compression, > 10 bar	9630034501	9630034502
19	4	Screw, spring guide	9630027692	9630024621
20	4	Valve spring guide	9630027785	9630031818
21	1	Valve spring adjuster	9630027770	9630031820
22	1	Washer		9630035232
23	1	Nut	9630027975	9630031834
24	1	Valve housing, Standard	9630027977	9630031822
	1	Valve housing, For lever lift	9630042538	9630042277
25	1	Screw, valve housing, Standard	9630027694	9630027694
	2	Screw, valve housing, For lever lift	9630045083	9630024638
26	4	Screw, spring adjuster	9630027692	9630032120
-	1	Thrust washer, Lever lift only	9630042424	9630042424
	1	Nut	9630025350	9630025350
	1	Thrust washer adaptor	9630042423	9630042423
	1	Lever sub-assembly	9630045081	9630042457

Pos	Qty	Denomination	SRU6 Item No
1	1	Rotorcase cover (including O-Ring)	9630929662
2	1	Hydraulic Piston	9630860088
3	1	O-Ring, Hydraulic Piston, NBR	9630031828
	1	O-Ring, Hydraulic Piston, EPDM	9630043111
	1	O-Ring, Hydraulic Piston, FPM	9630032246
	1	O-Ring, Hydraulic Piston, PTFE	9630032247
4	1	Valve Pin	9630924931
5	1	Shim set, St. Stl.	9630101746
6	1	Backstop disc	9630924933
7	1	O-Ring (NBR), Backstop disc	9630031831
8/15	2	Bush	9630047647
9	4	Screw, Backstop disc	9630024603
10	1	Valve shaft	9630031808
11	1	O-Ring (NBR), Pneumatic piston	9630031829
12	1	Pneumatic Piston	9630034718
13	1	O-Ring (NBR), Pneumatic piston	9630031830
14	1	Circlip	9630031833
16	1	Valve Guide	9630034714
17	1	Valve Guide Pin	9630031824
18	144	Spring, disc, < 7 bar	9630034726
	192	Spring, disc, < 10 bar	9630034726
	216	Spring, disc, < 15 bar	9630034726
	240	Spring, disc, < 18 bar	9630034726
19	4	Nut, spring guide	9630034725
20	4	Valve spring guide	9630034716
21	1	Valve spring adjuster	9630034712
22	12	Washer	9630034727
23	1	Nut	9630053244
24	1	Valve housing	9630031822
25	1	Screw, valve housing	9630027694
25a	1	Washer, valve housing screw	9630030121
26	8	Screw, spring adjuster	9630032120

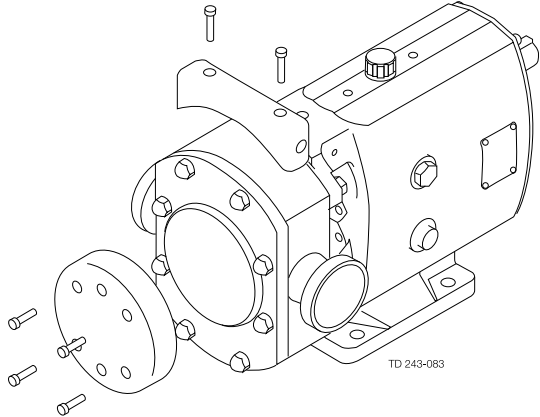
Note: For SRU6 Items 1 and 2 are only available as spare parts as part of complete assembly.

1.4

	SRU6 Relief Valve Spring Arrangements			
	< 7 bar	< 10 bar	< 15 bar	< 18 bar
Springs arranged:	( ) ( ) ( )	(( )) (( )) (( )) (( ))	(( )) (( )) (( )) (( )) (( )) (( ))	(( )) (( )) (( )) (( )) (( )) (( )) (( )) (( ))
1 stack =	( ) 2 springs 18 stacks/set	(( )) 4 springs 12 stacks/set	(( )) 6 springs 9 stacks/set	(( )) 6 springs 10 stacks/set
Qty sets each valve:	4	4	4	4
Total qty springs:	144	192	216	240



1.4



Pos	Qty	Denomination	Item No.
<b>Rotorcase Cover Jackets - SRU Pump Models</b>			
	1	SRU1 Rotorcase cover drilled for jacket	9630027764
	1	SRU1 Jacket	9630919832
	4	SRU1 Screw	
	1	SRU2 Rotorcase cover drilled for jacket	9630027767
	1	SRU2 Jacket	9630881665
	4	SRU2 Screw	
	1	SRU3 Rotorcase cover drilled for jacket	9630027766
	1	SRU3 Jacket	9630919833
	4	SRU3 Screw	
	1	SRU4 Rotorcase cover drilled for jacket	9630030268
	1	SRU4 Jacket	9630919834
	4	SRU4 Screw	9630032120
	1	SRU5 Rotorcase cover drilled for jacket	9630027765
	1	SRU5 Jacket	9630919835
	4	SRU5 Screw	9630032120
	1	SRU6 Rotorcase cover drilled for jacket	9630027763
	1	SRU6 Jacket	9630919836
	4	SRU6 Screw	9630031826

Pos	Qty	Denomination	Item No.
<b>Rotorcase Saddles - SRU Pump Models</b>			
	1	SRU1 Rotorcase drilled for saddle	
See Pages -			
	2	SRU1 Saddle	9630920138
	4	SRU1 Screw	9630018807
	1	SRU2 Rotorcase drilled for saddle	
See Pages -			
	2	SRU2 Saddle	9630881666
	4	SRU2 Screw	9630024603
	1	SRU3 Rotorcase drilled for saddle	
See Pages -			
	2	SRU3 Saddle	9630920139
	4	SRU3 Screw	9630024598
	1	SRU4 Rotorcase drilled for saddle	
See Pages -			
	2	SRU4 Saddle	9630920140
	4	SRU4 Screw	9630031826
	1	SRU5 Rotorcase drilled for saddle	
See Pages -			
	2	SRU5 Saddle	9630920141
	4	SRU5 Screw	9630024599
	1	SRU6 Rotorcase drilled for saddle	
See Pages -			
	2	SRU6 Saddle	9630920142
	4	SRU6 Screw	9630024599

1.4

Pos	Qty	Denomination	Item No.
11	1	O-Ring, cover - plain, SRU1	9630854451
	1	O-Ring, cover - plain, SRU2	9630854461
	1	O-Ring, cover - plain, SRU3	9630854477
	1	O-Ring, cover - plain, SRU4	9630854455
	1	O-Ring, cover - plain, SRU5	9630854469
	1	O-Ring, cover - plain, SRU6	9630854485
18	2	O-Ring, rotor, SRU1	
	2	O-Ring, rotor, SRU2	9630854464
	2	O-Ring, rotor, SRU3	9630854480
	2	O-Ring, rotor, SRU4	9630854458
	2	O-Ring, rotor, SRU5	9630854472
	2	O-Ring, rotor, SRU6	9630854486
20	2	O-Ring, rotor nut, SRU1	9630854491
	2	O-Ring, rotor nut, SRU2	9630854463
	2	O-Ring, rotor nut, SRU3	9630854479
	2	O-Ring, rotor nut, SRU4	9630854457
	2	O-Ring, rotor nut, SRU5	9630854471
	2	O-Ring, rotor nut, SRU6	9630854486
	1	Cover/Spline Sealing Kit , SRU1	9630856959
	1	Cover/Spline Sealing Kit , SRU2	9630855540
	1	Cover/Spline Sealing Kit , SRU3	9630856960
	1	Cover/Spline Sealing Kit , SRU4	9630855577
	1	Cover/Spline Sealing Kit , SRU5	9630856961
	1	Cover/Spline Sealing Kit , SRU6	9630855541
(comprises cover, rotor and rotor nut sealing O-Rings for one pump)			
81	1	Hyclean Rotorcase O-Ring, SRU1	9630854453
	1	Hyclean Rotorcase O-Ring, SRU2	9630854467
	1	Hyclean Rotorcase O-Ring, SRU3	9630854483
	1	Hyclean Rotorcase O-Ring, SRU4	9630854459
	1	Hyclean Rotorcase O-Ring, SRU5	9630854475
	1	Hyclean Rotorcase O-Ring, SRU6	9630854489
84	2	Hyclean Shaft O-Ring, SRU1	9630854454
	2	Hyclean Shaft O-Ring, SRU2	9630854468
	2	Hyclean Shaft O-Ring, SRU3	9630854484
	2	Hyclean Shaft O-Ring, SRU4	9630854460
	2	Hyclean Shaft O-Ring, SRU5	9630854476
	2	Hyclean Shaft O-Ring, SRU6	9630854473
	2	Hyclean Single Mech Seal SC/SC/EPDM USP Class VI, SRU1	9630855444
	2	Hyclean Single Mech Seal SC/SC/EPDM USP Class VI, SRU2	9630855445
	2	Hyclean Single Mech Seal SC/SC/EPDM USP Class VI, SRU3	9630855447
	2	Hyclean Single Mech Seal SC/SC/EPDM USP Class VI, SRU4	9630855452
	2	Hyclean Single Mech Seal SC/SC/EPDM USP Class VI, SRU5	9630855453
	2	Hyclean Single Mech Seal SC/SC/EPDM USP Class VI, SRU6	9630855454
	1	Service Kit (USA only) Hyc SC/SC/EPDM USP Class VI, SRU1	9630856966
	1	Service Kit (USA only) Hyc SC/SC/EPDM USP Class VI, SRU2	9630856967
	1	Service Kit (USA only) Hyc SC/SC/EPDM USP Class VI, SRU3	9630856968
	1	Service Kit (USA only) Hyc SC/SC/EPDM USP Class VI, SRU4	9630856969
	1	Service Kit (USA only) Hyc SC/SC/EPDM USP Class VI, SRU5	9630856970
	1	Service Kit (USA only) Hyc SC/SC/EPDM USP Class VI, SRU6	9630856971
(comprises cover/spline sealing O-Rings and mechanical seals for 1 pump)			

1.4



Pos	Qty	Denomination	Item No.
12	1	Cover, rotorcase - EP 3.1 traceability, SRU1	9630934873
	1	Cover, rotorcase - EP 3.1 traceability, SRU2	9630923907
	1	Cover, rotorcase - EP 3.1 traceability, SRU3	9630855703
	1	Cover, rotorcase - EP 3.1 traceability, SRU4	9630860054
	1	Cover, rotorcase - EP 3.1 traceability, SRU5	9630112722
	1	Cover, rotorcase - EP 3.1 traceability, SRU6	9630112719
17	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 8 bar 70°C, SRU1/005	9630941043
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 8 bar 130°C, SRU1/005	9630862520
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 8 bar 200°C, SRU1/005	9630942731
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 5 bar 70°C, SRU1/008	9630653972
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 5 bar 130°C, SRU1/008	9630934869
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 70°C, SRU2/013/LS-HS	9630931001
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 130°C, SRU2/013/LS-HS	9630929066
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 200°C, SRU2/013/LS-HS	9630924022
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 7 bar 70°C, SRU2/018/LS-HS	9630941885
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 7 bar 130°C, SRU2/018/LS-HS	9630923905
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 7 bar 200°C, SRU2/018/LS-HS	9630126869
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 70°C, SRU2/018/LD-HD	9630997911
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 70°C, SRU3/027/LS-HS	9630863709
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 130°C, SRU3/027/LS-HS	9630863997
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 7 bar 70°C, SRU3/038/LS-HS	9630855705
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 7 bar 130°C, SRU3/038/LS and HS	9630921127
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 7 bar 200°C, SRU3/038/LS-HS	9630126872
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 70°C, SRU4/055/LS-HS	9630879607
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 130°C, SRU4/055/LS-HS	9630861100
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 10 bar 200°C, SRU4/055/LS-HS	9630861602
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 7 bar 70°C, SRU4/079/LS-HS	9630860052
	2	Rotor, Trilobe Stainless Steel - EP 3.1 traceability, 7 bar 130°C, SRU4/079/LS-HS	9630934471

1.4

Pos	Qty	Denomination	Item No.
17	2	Rotor, Trilobe Stainless Steel-EP, 10 bar 70°C, SRU5/116/LS-HS	9630863707
	2	Rotor, Trilobe Stainless Steel-EP, 10 bar 130°C, SRU5/116/LS-HS	9630112721
	2	Rotor, Trilobe Stainless Steel-EP, 10 bar 200°C, SRU5/116/LS-HS	9630920755
	2	Rotor, Trilobe Stainless Steel-EP, 7 bar 70°C, SRU5/168/LS-HS	9630862835
	2	Rotor, Trilobe Stainless Steel-EP, 10 bar 70°C, SRU6/260/LS-HS	9630941031
	2	Rotor, Trilobe Stainless Steel-EP, 10 bar 130°C, SRU6/260/LS-HS	9630941056
	2	Rotor, Trilobe Stainless Steel-EP, 7 bar 70°C, SRU6/353/LS-HS	9630860056
	2	Rotor, Trilobe Stainless Steel-EP, 7 bar 130°C, SRU6/353/LS-HS	9630112720
	22	2	Nut, rotor retention (RH) - EP, SRU1/005
2		Nut, rotor retention (RH) - EP, SRU1/008	9630941291
2		Nut, rotor retention (RH) - EP, SRU2/013	9630924026
2		Nut, rotor retention (RH) - EP, SRU2/018	9630923906
2		Nut, rotor retention (RH) - EP, SRU3/027	9630863711
2		Nut, rotor retention (RH) - EP, SRU3/038	9630855716
2		Nut, rotor retention (RH) - EP, SRU4/055	9630861600
2		Nut, rotor retention (RH) - EP, SRU4/079	9630860055
2		Nut, rotor retention (RH) - EP, SRU5/116	9630124235
2		Nut, rotor retention (RH) - EP, SRU5/168	9630941290
2		Nut, rotor retention (RH) - EP, SRU6/260	9630881421
2		Nut, rotor retention (RH) - EP, SRU6/353	9630113539
2		Nut, rotor retention (LH) - EP, SRU3/027	9630881464
2		Nut, rotor retention (LH) - EP, SRU3/038	9630857839
2		Nut, rotor retention (LH) - EP, SRU4/055	9630881479
2		Nut, rotor retention (LH) - EP, SRU5/116	9630124236
2		Nut, rotor retention (LH) - EP, SRU6/260	9630881420
2		Nut, rotor retention (LH) - EP, SRU6/353	9630113540

1.4

Pos	Qty	Denomination	Item No.
<b>Rotorcase for Hyclean seal and Tri- clamp (BS4825) connections</b>			
9	1	SRU1/008, 1 - 25 mm	9630931774
	1	SRU1/008, 1½ - 40 mm	9630652484
	1	SRU2/013, 1½ - 40 mm	9630924025
	1	SRU2/018, 1½ - 40 mm	9630923904
	1	SRU2/018, 2" - 50 mm	9630923903
	1	SRU3/027, 1½" - 40 mm	9630863800
	1	SRU3/027, 2" - 50 mm	9630863710
	1	SRU3/038, 2" - 50 mm	9630857838
	1	SRU3/038, 2½" - 65 mm	9630855593
	1	SRU4/055, 2" - 50 mm	9630861599
	1	SRU4/055, 2½" - 65 mm	9630879608
	1	SRU4/079, 2½" - 65 mm	9630860053
	1	SRU4/079, 3" - 80 mm	9630929906
	1	SRU5/116, 2½" - 65 mm	9630112725
	1	SRU5/116, 3" - 80 mm	9630125080
	1	SRU5/168, 3" - 80 mm	9630652168
	1	SRU5/168, 4" - 100 mm	9630941611
	1	SRU6/260, 4" - 100 mm	9630938886
	1	SRU6/353, 4" - 100 mm	9630113541
	1	SRU6/353, 6" - 150 mm	9630112718

1.4

Pos	Qty	Denomination	Item No.
46	1	Sight glass, SRU1-4	9630855435
47	1	Filler plug, SRU1-4	9630105171
	1/2	Washer, bonded - for filler plug, NBR	9630039007
50	2	Gland guard (Single Seal only), SRU1	9630112468
	2	Gland guard (Single Seal only), SRU2	9630123783
	2	Gland guard (Single Seal only), SRU3	9630124138
	2	Gland guard (Single Seal only), SRU4	9630855285
	1	Gland guard (Single Seal only), SRU5, Lower vert port	9630855513
	1	Gland guard (Single Seal only), SRU5, Upper vert port	9630855514
	2	Gland guard (Single Seal only), SRU5, Horiz port	9630112074
	1	Gland guard (Single Seal only), SRU6, Lower vert port	9630855500
	1	Gland guard (Single Seal only), SRU6, Upper vert port	9630855501
	2	Gland guard (Single Seal only), SRU6, Horiz port	
	2	Gland guard (Single Flushed Seal only), SRU2	9630935699
	2	Gland guard (Single Flushed Seal only), SRU3	9630935700
	2	Gland guard (Single Flushed Seal only), SRU4	9630935601
	1	Gland guard (Single Flushed Seal only), SRU5 Lower vert port	9630935692
	1	Gland guard (Single Flushed Seal only), SRU5 Upper vert port	9630935696
	2	Gland guard (Single Flushed Seal only), SRU5 Horiz port	9630935101
	1	Gland guard (Single Flushed Seal only), SRU6 Lower vert port	9630935697
	1	Gland guard (Single Flushed Seal only), SRU6 Upper vert port	9630935698
	2	Gland guard (Single Flushed Seal only), SRU6 Horiz port	9630935691
72b	1	Stationary seal ring with thermocouple (R90 Single mechanical seal), SRU1	9630113595
	1	Stationary seal ring with thermocouple (R90 Single mechanical seal), SRU2	9630113596
	1	Stationary seal ring with thermocouple (R90 Single mechanical seal), SRU3	9630113598
	1	Stationary seal ring with thermocouple (R90 Single mechanical seal), SRU4	9630113599
	1	Stationary seal ring with thermocouple (R90 Single mechanical seal), SRU5	9630113600
	1	Stationary seal ring with thermocouple (R90 Single mechanical seal), SRU6	9630113601
Note: Only silicon carbide available and normally 1 off is req'd as other seal ring will be as standard silicon carbide			
72c	1	Stationary seal ring with thermocouple (R90 Double mechanical seal) carbide, SRU1	9630123885
	1	Stationary seal ring with thermocouple (R90 Double mechanical seal) carbide, SRU2	9630123886
	1	Stationary seal ring with thermocouple (R90 Double mechanical seal) carbide, SRU3	9630123887
	1	Stationary seal ring with thermocouple (R90 Double mechanical seal) carbide, SRU4	9630123888
	1	Stationary seal ring with thermocouple (R90 Double mechanical seal) carbide, SRU5	9630123889
	1	Stationary seal ring with thermocouple (R90 Double mechanical seal) carbide, SRU6	9630123890
Note: Only silicon carbide available and normally 1 off is req'd as other seal ring will be as standard silicon			
79	2	Seal housing, single flushed mechanical seal, SRU2	9630937112
	2	Seal housing, single flushed mechanical seal, SRU3	9630937113
	2	Seal housing, single flushed mechanical seal, SRU4	9630937114
	2	Seal housing, single flushed mechanical seal, SRU5	9630937115
	2	Seal housing, single flushed mechanical seal, SRU6	9630937116
Note: Normally 1 off is req'd as other seal housing will be as standard			
101	1	Thermocouple clamp plate, SRU1	9630878900
	1	Thermocouple clamp plate, SRU2	9630864441
	1	Thermocouple clamp plate, SRU3	9630858958
	1	Thermocouple clamp plate, SRU4	9630858959
	1	Thermocouple clamp plate, SRU5	9630610911
	1	Thermocouple clamp plate, SRU6	
102	2	Screw, thermocouple clamp plate, SRU1	9630024595
	2	Screw, thermocouple clamp plate, SRU2-3	9630028936
	2	Screw, thermocouple clamp plate, SRU4-6	9630074138
103	1	Plastic bush (now supplied with 72b and 72c), SRU1-6	9630855571
104	1	Screw, bush locking, SRU1-6	9630855570
	1	Stud, earthing, SRU1	9630105360
	1	Stud, earthing, SRU2-4	9630105362
	1	Stud, earthing, SRU5-6	9630105360
	2	Nut, earthing stud,	
	2	Washer, lock	9630105264
	1	Earth bonding cable	9630105267
	2	Terminal copper tube	9630105435
	1	Earth bonding tag	9630105614

1.4



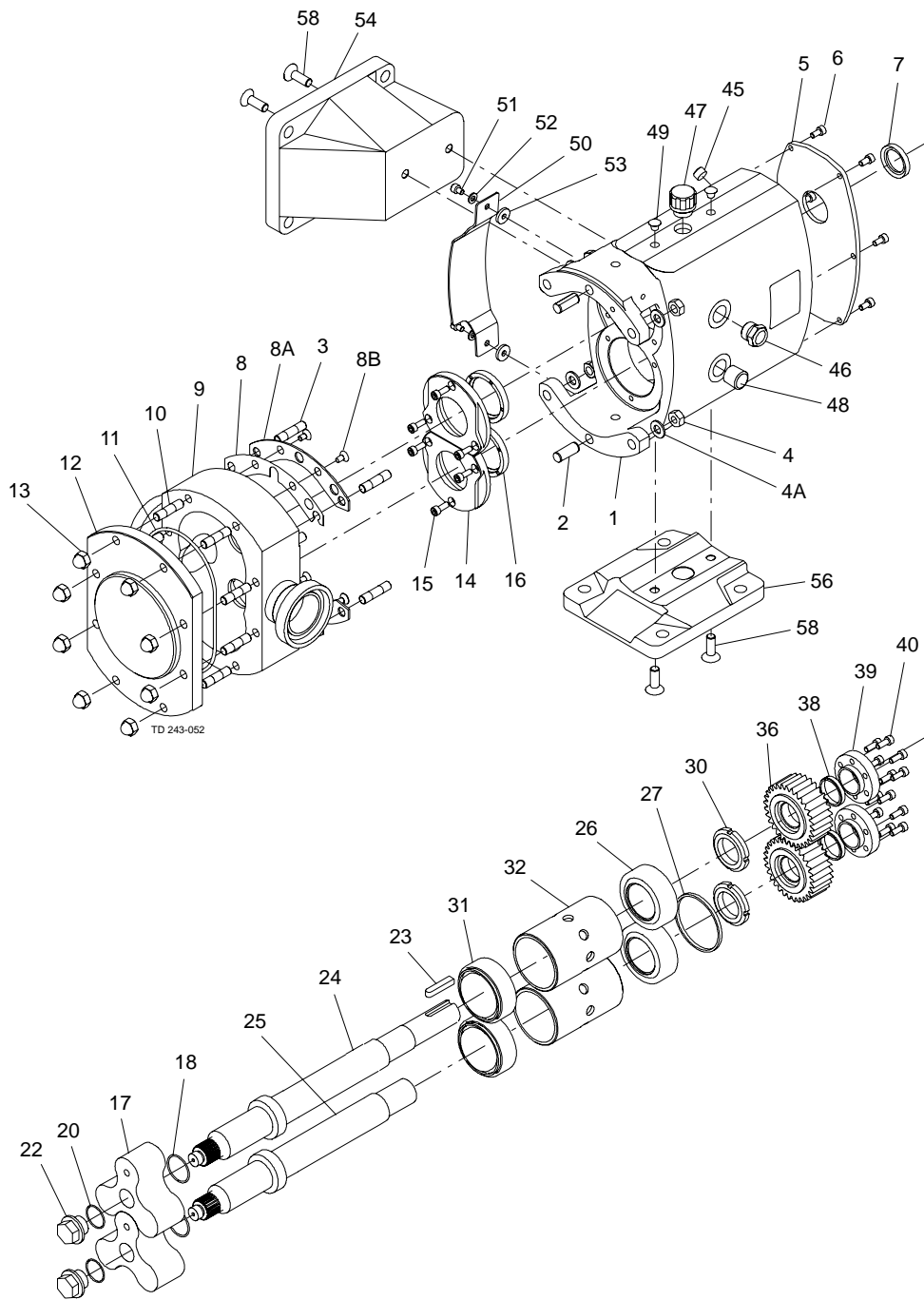
Pos	Qty	Denomination	Item No.
<b>SRU1 to SRU6</b>			
	4	Plug, Seal Housing, 1/8" BSPT .....	
	4	Plug, Seal Housing, 1/8" NPT .....	9630024422
	4	Plug, Seal Housing, 1/4" BSPT .....	
	4	Plug, Seal Housing, 1/4" NPT .....	9630024419

1.4

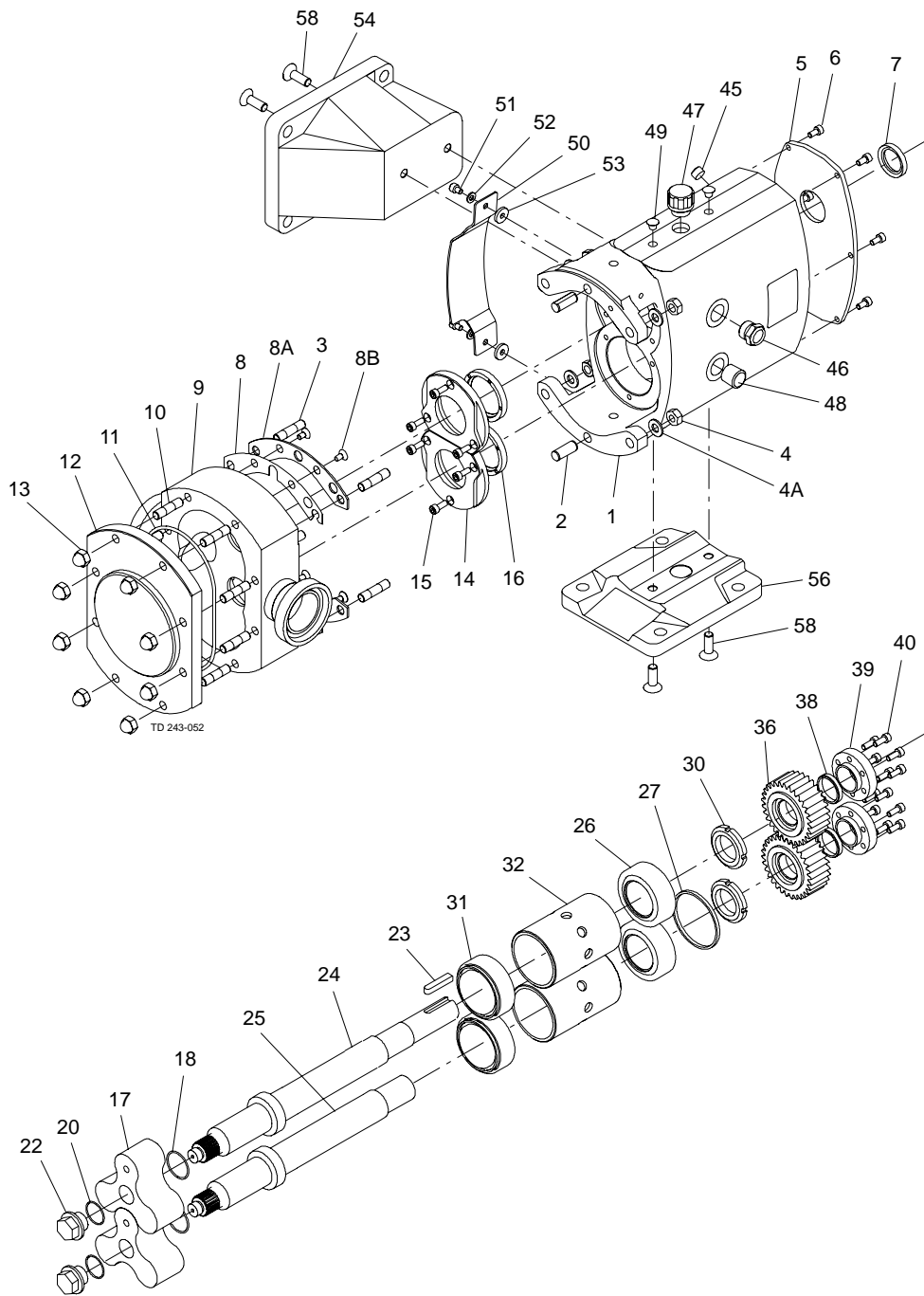
The following housings have 1/8" connections  
 R90 Flush and Double sizes SRU1-3  
 Hyclean Flush sizes SRU1-4  
 Packed Gland sizes SRU1-4

The following housings have 1/4" connections  
 R90 Flush and Double sizes SRU4-6  
 Hyclean Flush sizes SRU5-6  
 Packed Gland sizes SRU5-6

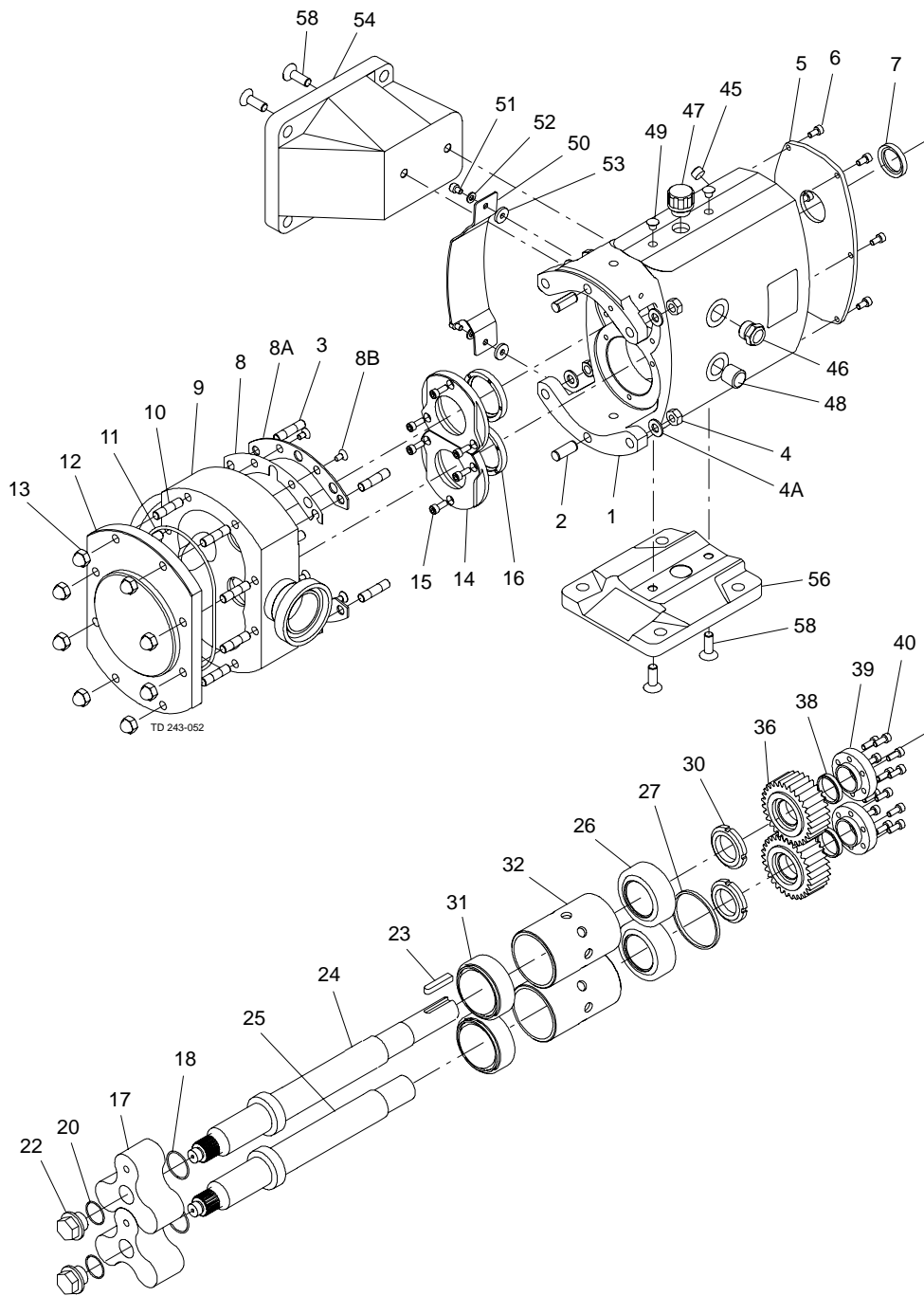
Grease filled gearboxes in gearcases drilled for oil.  
 If Gearcase is drilled for Oil and supplied for Grease then the same fixings are required as for Oil, EXCEPT that Unvented Filler Plug 31495.0052.1 is used instead of 31491.0052.1.



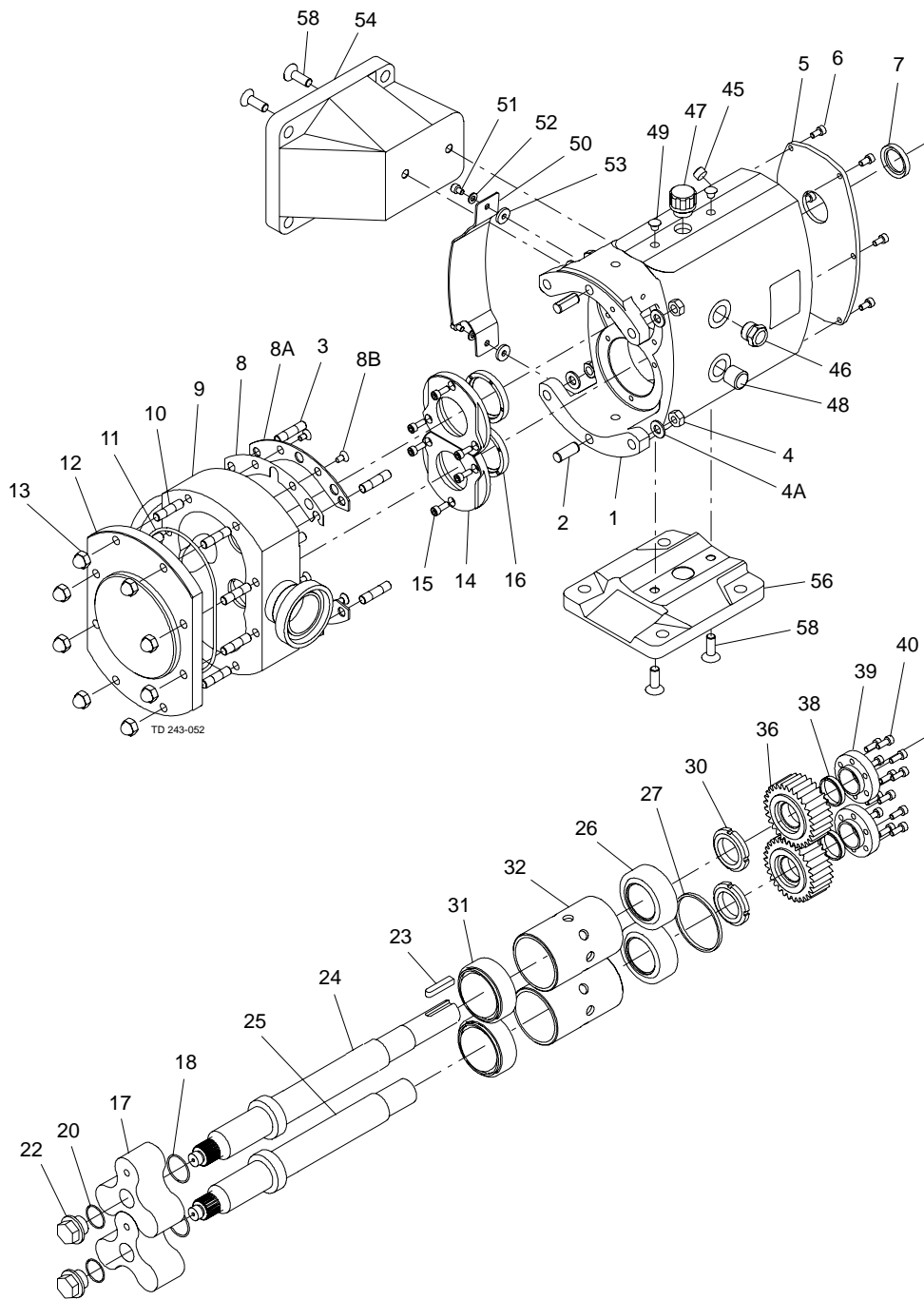
	NBR	EPDM	FPM	FFPM	EPDM USP Class VI
Service kits for Single R90 Mechanical Seal					
Stainless Steel v Carbon Solid (SRU1) . . .	9630933155	9630932618	9630113949	9630851502	9630851503
Stainless Steel v Carbon Solid (SRU2) . . .	9630681005	9630928949	9630113950	9630851646	9630936453
Stainless Steel v Carbon Solid (SRU3) . . .	9630950788	9630932619	9630113951	9630851788	9630856428
Stainless Steel v Carbon Solid (SRU4) . . .	9630997421	9630932620	9630113952	9630851929	9630851930
Stainless Steel v Carbon Solid (SRU5) . . .	9630681006	9630932621	9630113953	9630852071	9630852072
Stainless Steel v Carbon Solid (SRU6) . . .	9630681007	9630932622	9630113954	9630852213	9630852214
Service kits for Single R90 Mechanical Seal					
Stainless Steel v Carbon Inserted (SRU1) .	9630856380	9630856381	9630856382	9630851504	9630851505
Stainless Steel v Carbon Inserted (SRU2) .	9630856404	9630856405	9630856406	9630942050	9630851648
Stainless Steel v Carbon Inserted (SRU3) .	9630856428	9630856429	9630856430	9630851789	9630851790
Stainless Steel v Carbon Inserted (SRU4) .	9630856452	9630856453	9630856454	9630851931	9630851932
Stainless Steel v Carbon Inserted (SRU5) .	9630856476	9630856477	9630856478	9630852073	9630852074
Stainless Steel v Carbon Inserted (SRU6) .	9630856500	9630856501	9630856502	9630852215	9630852216
Service kits for Single R90 Mechanical Seal					
Silicon Carbide v Carbon Inserted (SRU1) .	9630856386	9630856387	9630856388	9630851506	9630851507
Silicon Carbide v Carbon Inserted (SRU2) .	9630856410	9630856411	9630856412	960851649	9630851650
Silicon Carbide v Carbon Inserted (SRU3) .	9630856434	9630856435	9630856436	9630851791	9630851792
Silicon Carbide v Carbon Inserted (SRU4) .	9630856458	9630856459	9630856460	9630851933	9630851934
Silicon Carbide v Carbon Inserted (SRU5) .	9630856482	9630856483	9630856484	9630852075	9630852076
Silicon Carbide v Carbon Inserted (SRU6) .	9630856506	9630856507	9630856508	9630852217	9630852218
Service kits for Single R90 Mechanical Seal					
Silicon Carbide v Silicon Carbide (SRU1) . .	9630856392	9630856393	9630856394	9630851508	9630942676
Silicon Carbide v Silicon Carbide (SRU2) . .	9630856416	9630856417	9630856418	9630851651	9630851652
Silicon Carbide v Silicon Carbide (SRU3) . .	9630856440	9630856441	9630856442	9630677256	9630851793
Silicon Carbide v Silicon Carbide (SRU4) . .	9630856464	9630856465	9630856466	9630672169	9630951235
Silicon Carbide v Silicon Carbide (SRU5) . .	9630856488	9630856489	9630856490	9630852077	9630852078
Silicon Carbide v Silicon Carbide (SRU6) . .	9630856512	9630856513	9630856514	9630852219	9630852220



	NBR	EPDM	FPM	FFPM	EPDM USP Class VI
<b>Service kits for Single R90 Mechanical Seal Flushed BSPT</b>					
Stainless Steel v Carbon Solid (SRU1) . . .	9630933155	9630932618	9630113949	9630851502	9630851503
Stainless Steel v Carbon Solid (SRU2) . . .	9630681005	9630928949	9630113950	9630851646	9630936453
Stainless Steel v Carbon Solid (SRU3) . . .	9630950788	9630932619	9630113951	9630942051	9630851788
Stainless Steel v Carbon Solid (SRU4) . . .	9630997421	9630932620	9630113952	9630851929	9630851930
Stainless Steel v Carbon Solid (SRU5) . . .	9630681006	9630932621	9630113953	9630852071	9630852072
Stainless Steel v Carbon Solid (SRU6) . . .	9630681007	9630932622	9630113954	9630852213	9630852214
<b>Service kits for Single R90 Mechanical Seal Flushed BSPT</b>					
Stainless Steel v Carbon Inserted (SRU1) .	9630856380	9630856381	9630856382	9630851504	9630851505
Stainless Steel v Carbon Inserted (SRU2) .	9630856404	9630856405	9630856406	9630942050	9630851648
Stainless Steel v Carbon Inserted (SRU3) .	9630856428	9630856429	9630856430	9630851789	9630851790
Stainless Steel v Carbon Inserted (SRU4) .	9630856452	9630856453	9630856454	9630851931	9630851932
Stainless Steel v Carbon Inserted (SRU5) .	9630856476	9630856477	9630856478	9630852073	9630852074
Stainless Steel v Carbon Inserted (SRU6) .	9630856500	9630856501	9630856502	9630852215	9630852216
<b>Service kits for Single R90 Mechanical Seal Flushed BSPT</b>					
Silicon Carbide v Carbon Inserted (SRU1) .	9630856386	9630856387	9630856388	9630851506	9630851507
Silicon Carbide v Carbon Inserted (SRU2) .	9630856410	9630856411	9630856412	9630851649	9630851650
Silicon Carbide v Carbon Inserted (SRU3) .	9630856434	9630856435	9630856436	9630851791	9630851792
Silicon Carbide v Carbon Inserted (SRU4) .	9630856458	9630856459	9630856460	9630851933	9630851934
Silicon Carbide v Carbon Inserted (SRU5) .	9630856482	9630856483	9630856484	9630852075	9630852076
Silicon Carbide v Carbon Inserted (SRU6) .	9630856506	9630856507	9630856508	9630852217	9630852218
<b>Service kits for Single R90 Mechanical Seal Flushed BSPT</b>					
Silicon Carbide v Silicon Carbide (SRU1) . .	9630856392	9630856393	9630856394	9630851508	9630942676
Silicon Carbide v Silicon Carbide (SRU2) . .	9630856416	9630856417	9630856418	9630851651	9630851652
Silicon Carbide v Silicon Carbide (SRU3) . .	9630856440	9630856441	9630856442	9630677256	9630851793
Silicon Carbide v Silicon Carbide (SRU4) . .	9630856464	9630856465	9630856466	9630672169	9630951235
Silicon Carbide v Silicon Carbide (SRU5) . .	9630856488	9630856489	9630856490	9630852077	9630852078
Silicon Carbide v Silicon Carbide (SRU6) . .	9630856512	9630856513	9630856514	9630852219	9630852220



	NBR	EPDM	FPM	FFPM	EPDM USP Class VI
<b>Service kits for Single R90 Mechanical Seal Flushed NPT</b>					
Stainless Steel v Carbon Solid (SRU1) . . .	9630933155	9630932618	9630113949	9630851502	9630851503
Stainless Steel v Carbon Solid (SRU2) . . .	9630681005	9630928949	9630113950	9630851646	9630936453
Stainless Steel v Carbon Solid (SRU3) . . .	9630950788	9630932619	9630113951	9630942051	9630851788
Stainless Steel v Carbon Solid (SRU4) . . .	9630997421	9630932620	9630113952	9630851929	9630851930
Stainless Steel v Carbon Solid (SRU5) . . .	9630681006	9630932621	9630113953	9630852071	9630852072
Stainless Steel v Carbon Solid (SRU6) . . .	9630681007	9630932622	9630113954	9630852213	9630852214
<b>Service kits for Single R90 Mechanical Seal Flushed NPT</b>					
Stainless Steel v Carbon Inserted (SRU1) .	9630856380	9630856381	9630856382	9630851504	9630851505
Stainless Steel v Carbon Inserted (SRU2) .	9630856404	9630856405	9630856406	9630942050	9630851648
Stainless Steel v Carbon Inserted (SRU3) .	9630856428	9630856429	9630856430	9630851789	9630851790
Stainless Steel v Carbon Inserted (SRU4) .	9630856452	9630856453	9630856454	9630851931	9630851932
Stainless Steel v Carbon Inserted (SRU5) .	9630856476	9630856477	9630856478	9630852073	9630852074
Stainless Steel v Carbon Inserted (SRU6) .	9630856500	9630856501	9630856502	9630852215	9630852216
<b>Service kits for Single R90 Mechanical Seal Flushed NPT</b>					
Silicon Carbide v Carbon Inserted (SRU1) .	9630856386	9630856387	9630856388	9630851506	9630851507
Silicon Carbide v Carbon Inserted (SRU2) .	9630856410	9630856411	9630856412	9630851649	9630851650
Silicon Carbide v Carbon Inserted (SRU3) .	9630856434	9630856435	9630856436	9630851791	9630851792
Silicon Carbide v Carbon Inserted (SRU4) .	9630856458	9630856459	9630856460	9630851933	9630851934
Silicon Carbide v Carbon Inserted (SRU5) .	9630856482	9630856483	9630856484	9630852075	9630852076
Silicon Carbide v Carbon Inserted (SRU6) .	9630856506	9630856507	9630856508	9630852217	9630852218
<b>Service kits for Single R90 Mechanical Seal Flushed NPT</b>					
Silicon Carbide v Silicon Carbide (SRU1) . .	9630856392	9630856393	9630856394	9630851508	9630942676
Silicon Carbide v Silicon Carbide (SRU2) . .	9630856416	9630856417	9630856418	9630851651	9630851652
Silicon Carbide v Silicon Carbide (SRU3) . .	9630856440	9630856441	9630856442	9630677256	9630851793
Silicon Carbide v Silicon Carbide (SRU4) . .	9630856464	9630856465	9630856466	9630672169	9630951235
Silicon Carbide v Silicon Carbide (SRU5) . .	9630856488	9630856489	9630856490	9630852077	9630852078
Silicon Carbide v Silicon Carbide (SRU6) . .	9630856512	9630856513	9630856514	9630852219	9630852220

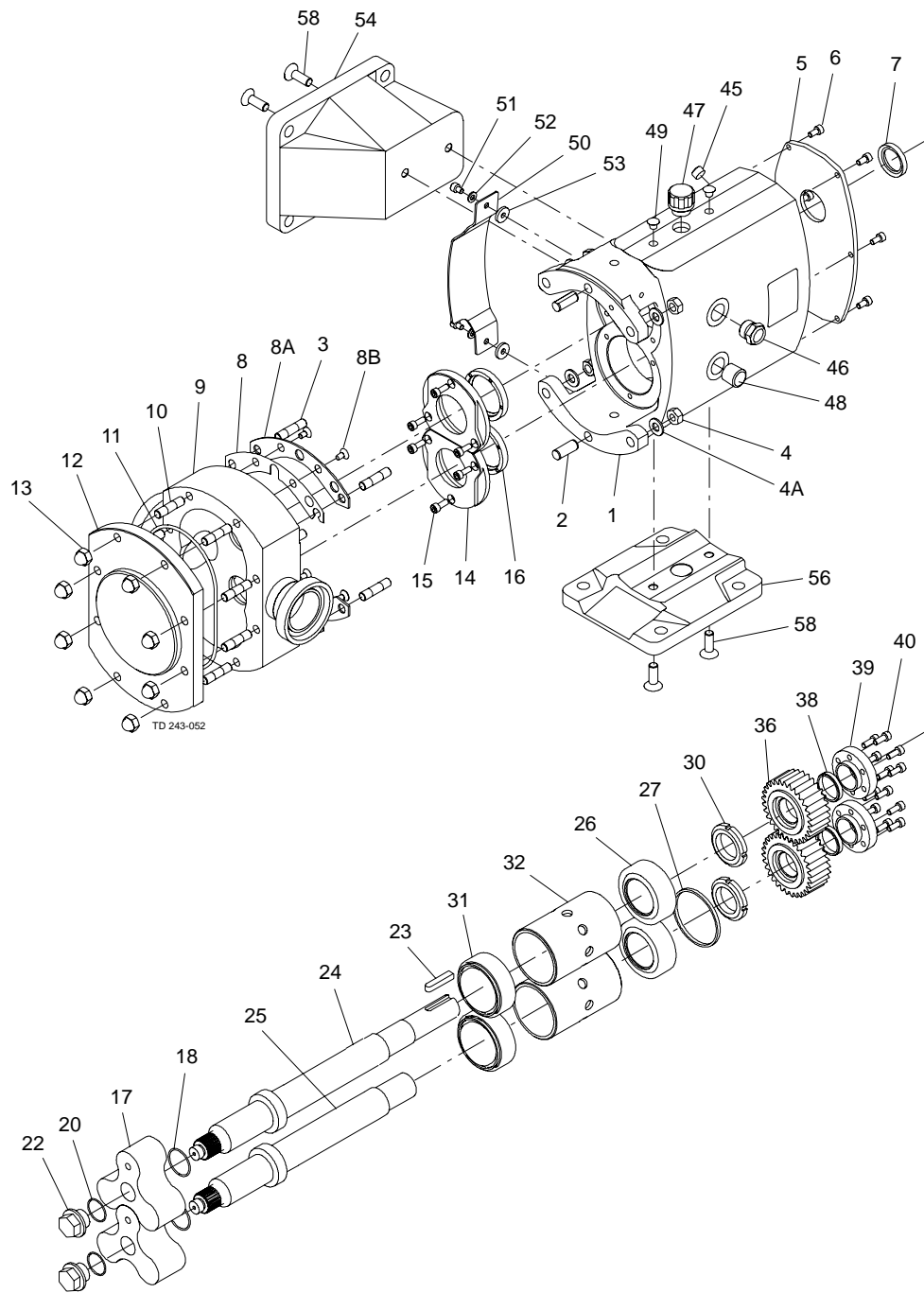




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EPDM Inboard and Outboard	FFPM Inboard and Outboard	FPM Inboard and Outboard	NBR Inboard and Outboard
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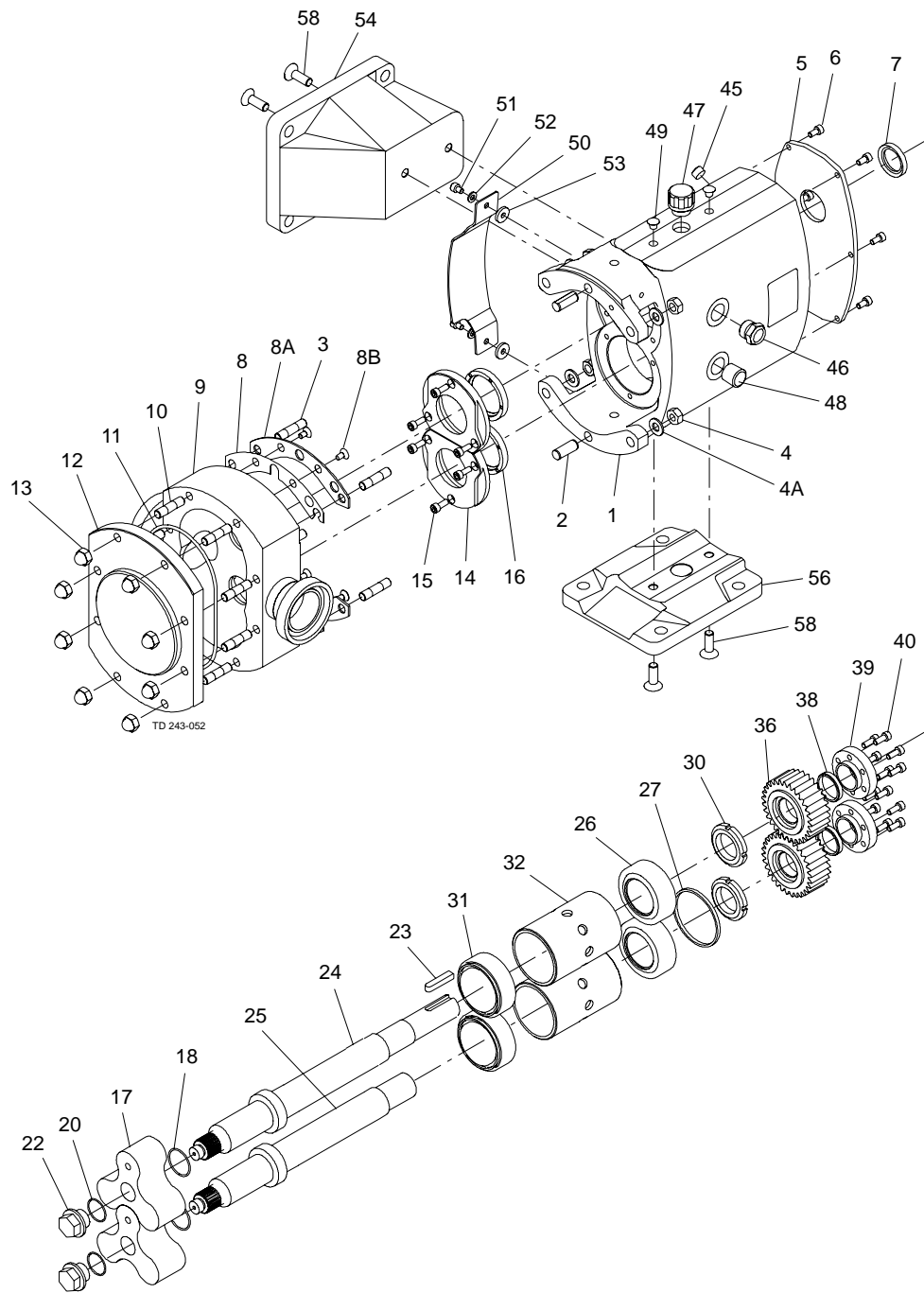
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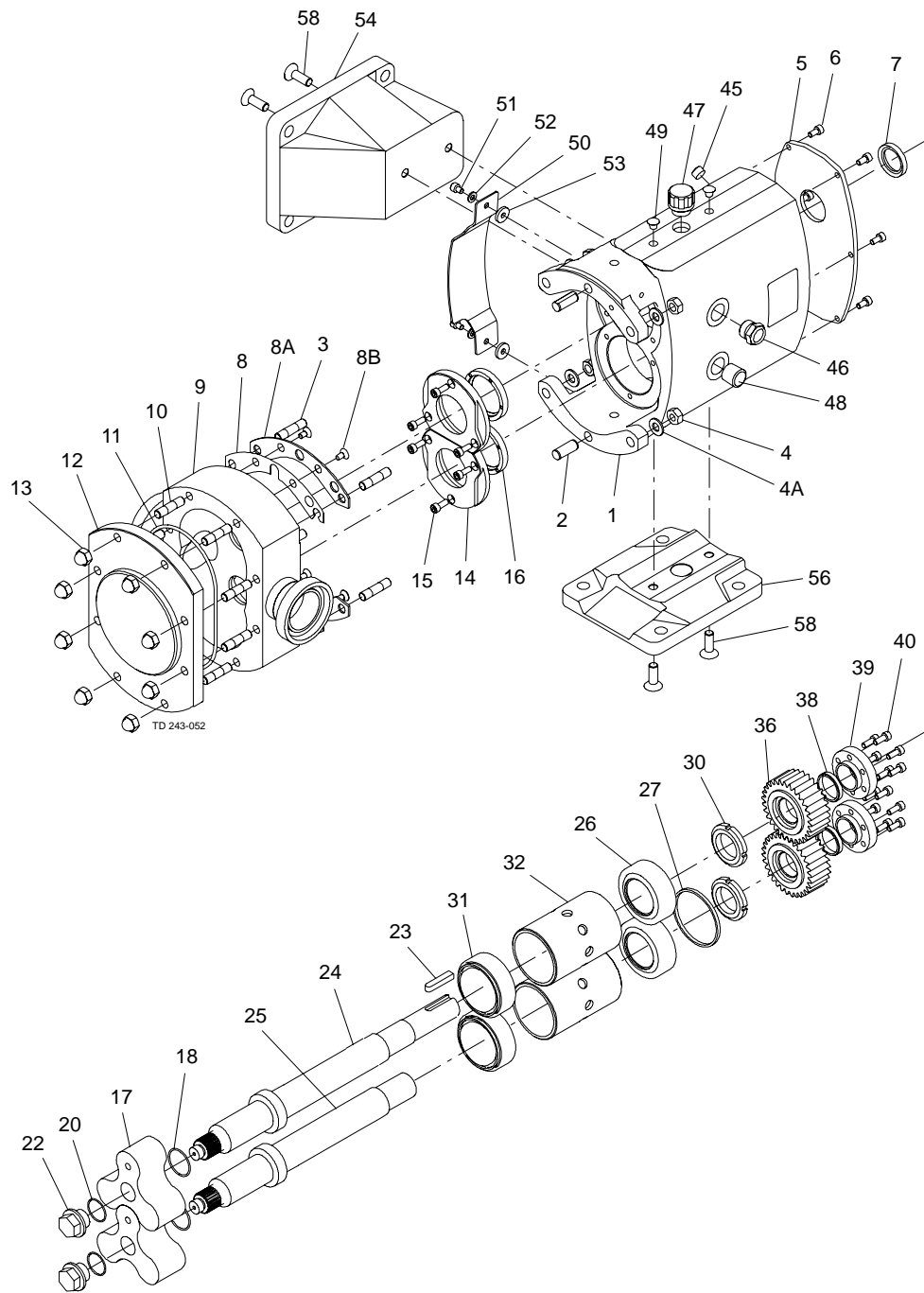
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EPDM Inboard and Outboard	FFPM Inboard and Outboard	FPM Inboard and Outboard	NBR Inboard and Outboard
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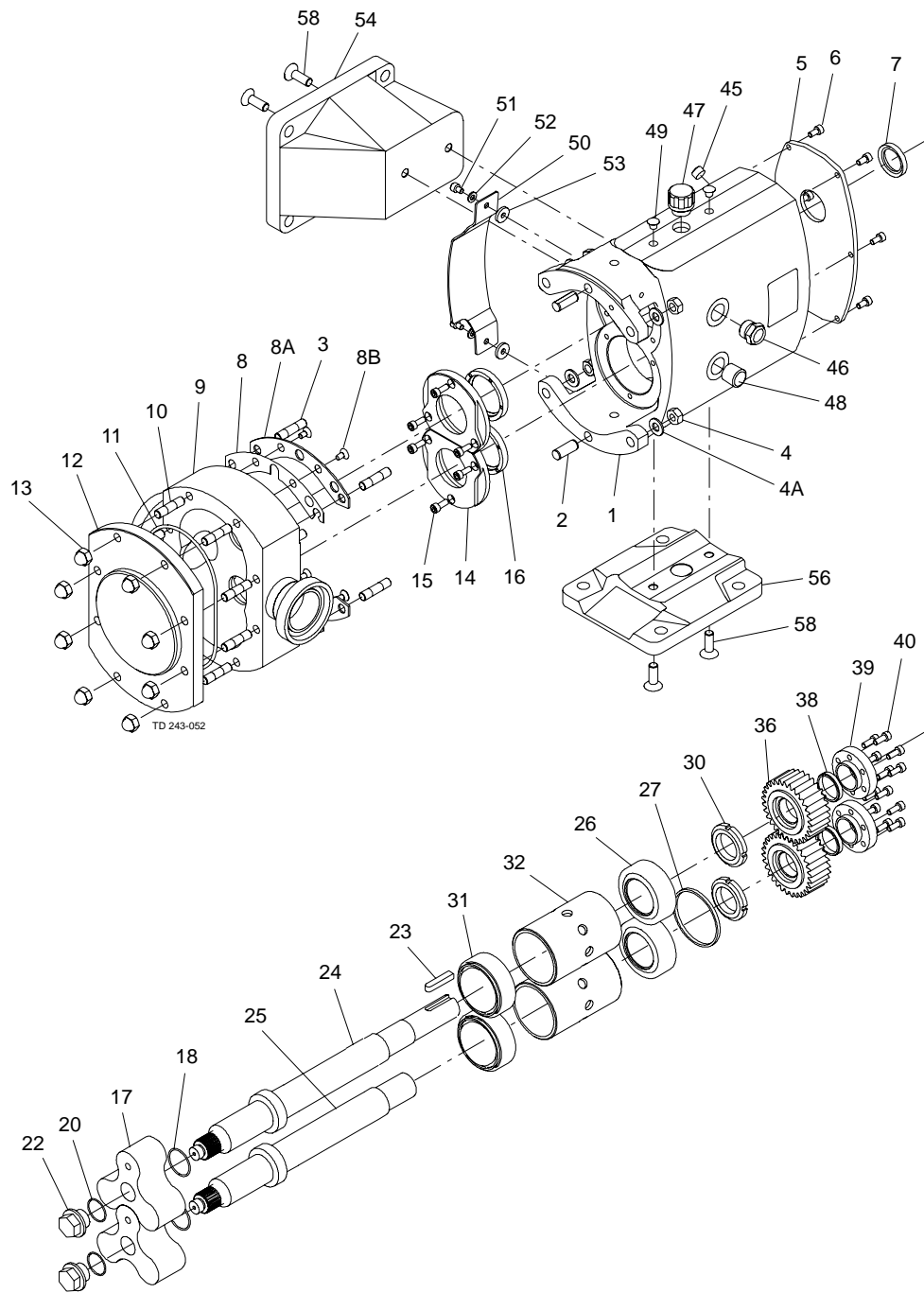
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	EPDM	EPDM USP Class VI	FPM	NBR
<b>Service kits for Single Hyclean Mechanical Seal</b>				
Silicon Carbide v Carbon (SRU1) . . . . .	9630856399	9630861281	9630856400	9630856398
Silicon Carbide v Carbon (SRU2) . . . . .	9630856423	9630861282	9630856424	9630856422
Silicon Carbide v Carbon (SRU3) . . . . .	9630856447	9630861283	9630856448	9630856446
Silicon Carbide v Carbon (SRU4) . . . . .	9630856471	9630861090	9630856472	9630856470
Silicon Carbide v Carbon (SRU5) . . . . .	9630856495	9630861285	9630856496	9630856494
Silicon Carbide v Carbon (SRU6) . . . . .	9630856519	9630861286	9630856520	9630856518
<b>Service kits for Single Hyclean Mechanical Seal</b>				
Silicon Carbide v Silicon Carbide (SRU1) . . . . .	9630856402	9630856966	9630856403	9630856401
Silicon Carbide v Silicon Carbide (SRU2) . . . . .	9630856426	9630856967	9630856427	9630856425
Silicon Carbide v Silicon Carbide (SRU3) . . . . .	9630856450	9630856968	9630856451	9630856449
Silicon Carbide v Silicon Carbide (SRU4) . . . . .	9630856474	9630856969	9630856475	9630856473
Silicon Carbide v Silicon Carbide (SRU5) . . . . .	9630856498	9630856970	9630856499	9630856497
Silicon Carbide v Silicon Carbide (SRU6) . . . . .	9630856522	9630856971	9630856523	9630856521
<b>Service kits for Single Hyclean Mechanical Seal</b>				
Silicon Carbide v Silicon Carbide Inserted (SRU1) . . . . .	9630851640	9630851641	9630851642	9630851643
Silicon Carbide v Silicon Carbide Inserted (SRU2) . . . . .	9630856530	9630851786	9630856531	9630856529
Silicon Carbide v Silicon Carbide Inserted (SRU3) . . . . .	9630856538	9630851927	9630856539	9630856537
Silicon Carbide v Silicon Carbide Inserted (SRU4) . . . . .	9630856546	9630852068	9630856547	9630856545
Silicon Carbide v Silicon Carbide Inserted (SRU5) . . . . .	9630856554	9630852210	9630856555	9630856553
Silicon Carbide v Silicon Carbide Inserted (SRU6) . . . . .	9630852353	9630852354	9630852355	9630852356
<b>Service kits for Single Hyclean Mechanical Seal</b>				
Stainless Steel v Carbon (SRU1) . . . . .	9630856396	9630851644	9630856397	9630856395
Stainless Steel v Carbon (SRU2) . . . . .	9630856420	9630851787	9630856421	9630856419
Stainless Steel v Carbon (SRU3) . . . . .	9630856444	9630851928	9630856445	9630856443
Stainless Steel v Carbon (SRU4) . . . . .	9630856468	9630852069	9630856469	9630856467
Stainless Steel v Carbon (SRU5) . . . . .	9630856492	9630852211	9630856493	9630856491
Stainless Steel v Carbon (SRU6) . . . . .	9630856516	9630852357	9630856517	9630856515

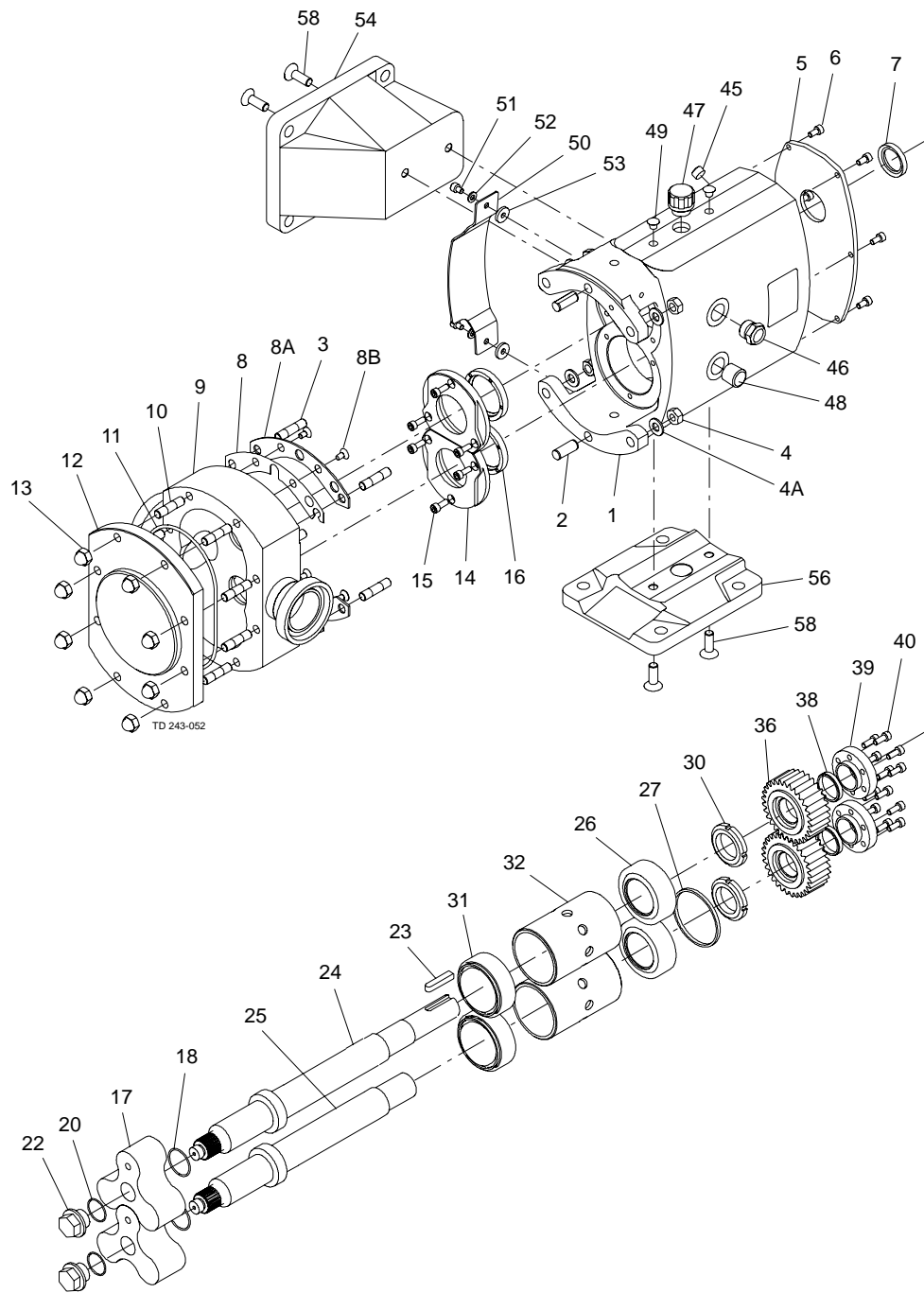


	EPDM	EPDM USP Class VI	FPM	NBR
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Carbon (SRU1) . . . . .	9630856399	9630861281	9630856400	9630856398
Silicon Carbide v Carbon (SRU2) . . . . .	9630856423	9630861282	9630856424	9630856422
Silicon Carbide v Carbon (SRU3) . . . . .	9630856447	9630861283	9630856448	9630856446
Silicon Carbide v Carbon (SRU4) . . . . .	9630856471	9630861090	9630856472	9630856470
Silicon Carbide v Carbon (SRU5) . . . . .	9630856495	9630861285	9630856496	9630856494
Silicon Carbide v Carbon (SRU6) . . . . .	9630856519	9630861286	9630856520	9630856518
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Carbon (SRU1) . . . . .	9630856402	9630856966	9630856403	9630856401
Silicon Carbide v Carbon (SRU2) . . . . .	9630856426	9630856967	9630856427	9630856425
Silicon Carbide v Carbon (SRU3) . . . . .	9630856450	9630856968	9630856451	9630856449
Silicon Carbide v Carbon (SRU4) . . . . .	9630856474	9630856969	9630856475	9630856473
Silicon Carbide v Carbon (SRU5) . . . . .	9630856498	9630856970	9630856499	9630856497
Silicon Carbide v Carbon (SRU6) . . . . .	9630856522	9630856971	9630856523	9630856521
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Silicon Carbide Inserted (SRU1) . . . . .	9630851640	9630851641	9630851642	9630851643
Silicon Carbide v Silicon Carbide Inserted (SRU2) . . . . .	9630856530	9630851786	9630856531	9630856529
Silicon Carbide v Silicon Carbide Inserted (SRU3) . . . . .	9630856538	9630851927	9630856539	9630856537
Silicon Carbide v Silicon Carbide Inserted (SRU4) . . . . .	9630856546	9630852068	9630856547	9630856545
Silicon Carbide v Silicon Carbide Inserted (SRU5) . . . . .	9630856554	9630852210	9630856555	9630856553
Silicon Carbide v Silicon Carbide Inserted (SRU6) . . . . .	9630852353	9630852354	9630852355	9630852356
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Stainless Steel v Carbon (SRU1) . . . . .	9630856396	9630851644	9630856397	9630856395
Stainless Steel v Carbon (SRU2) . . . . .	9630856420	9630851787	9630856421	9630856419
Stainless Steel v Carbon (SRU3) . . . . .	9630856444	9630851928	9630856445	9630856443
Stainless Steel v Carbon (SRU4) . . . . .	9630856468	9630852069	9630856469	9630856467
Stainless Steel v Carbon (SRU5) . . . . .	9630856492	9630852211	9630856493	9630856491
Stainless Steel v Carbon (SRU6) . . . . .	9630856516	9630852357	9630856517	9630856515

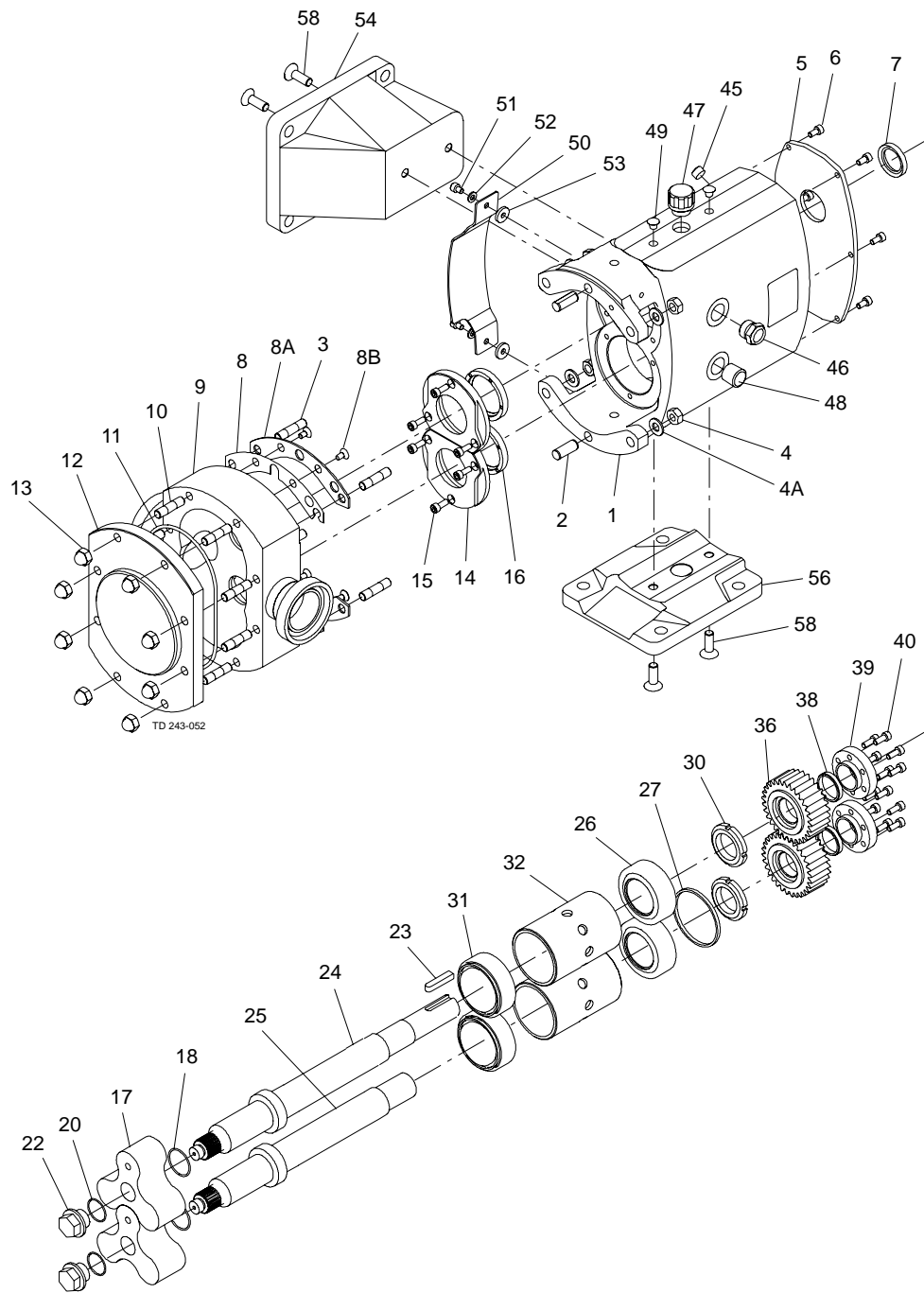




	EPDM	EPDM USP Class VI	FPM	NBR
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Carbon (SRU1) . . . . .	9630856399	9630861281	9630856400	9630856398
Silicon Carbide v Carbon (SRU2) . . . . .	9630856423	9630861282	9630856424	9630856422
Silicon Carbide v Carbon (SRU3) . . . . .	9630856447	9630861283	9630856448	9630856446
Silicon Carbide v Carbon (SRU4) . . . . .	9630856471	9630861090	9630856472	9630856470
Silicon Carbide v Carbon (SRU5) . . . . .	9630856495	9630861285	9630856496	9630856494
Silicon Carbide v Carbon (SRU6) . . . . .	9630856519	9630861286	9630856520	9630856518
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Carbon (SRU1) . . . . .	9630856402	9630856966	9630856403	9630856401
Silicon Carbide v Carbon (SRU2) . . . . .	9630856426	9630856967	9630856427	9630856425
Silicon Carbide v Carbon (SRU3) . . . . .	9630856450	9630856968	9630856451	9630856449
Silicon Carbide v Carbon (SRU4) . . . . .	9630856474	9630856969	9630856475	9630856473
Silicon Carbide v Carbon (SRU5) . . . . .	9630856498	9630856970	9630856499	9630856497
Silicon Carbide v Carbon (SRU6) . . . . .	9630856522	9630856971	9630856523	9630856521
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Silicon Carbide Inserted (SRU1) . . . . .	9630851640	9630851641	9630851642	9630851643
Silicon Carbide v Silicon Carbide Inserted (SRU2) . . . . .	9630856530	9630851786	9630856531	9630856529
Silicon Carbide v Silicon Carbide Inserted (SRU3) . . . . .	9630856538	9630851927	9630856539	9630856537
Silicon Carbide v Silicon Carbide Inserted (SRU4) . . . . .	9630856546	9630852068	9630856547	9630856545
Silicon Carbide v Silicon Carbide Inserted (SRU5) . . . . .	9630856554	9630852210	9630856555	9630856553
Silicon Carbide v Silicon Carbide Inserted (SRU6) . . . . .	9630852353	9630852354	9630852355	9630852356
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Stainless Steel v Carbon (SRU1) . . . . .	9630856396	9630851644	9630856397	9630856395
Stainless Steel v Carbon (SRU2) . . . . .	9630856420	9630851787	9630856421	9630856419
Stainless Steel v Carbon (SRU3) . . . . .	9630856444	9630851928	9630856445	9630856443
Stainless Steel v Carbon (SRU4) . . . . .	9630856468	9630852069	9630856469	9630856467
Stainless Steel v Carbon (SRU5) . . . . .	9630856492	9630852211	9630856493	9630856491
Stainless Steel v Carbon (SRU6) . . . . .	9630856516	9630852357	9630856517	9630856515



	NBR	EPDM	FPM	FFPM	EPDM USP Class VI
<b>Service kits for Single R90 Mechanical Seal</b>					
Stainless Steel v Carbon Solid (SRU1) . . .	9630852358	9630852359	9630852360	9630852361	9630852362
Stainless Steel v Carbon Solid (SRU2) . . .	9630852525	9630852526	9630852527	9630852528	9630852529
Stainless Steel v Carbon Solid (SRU3) . . .	9630852687	9630852688	9630852689	9630852690	9630852691
Stainless Steel v Carbon Solid (SRU4) . . .	9630852853	9630852854	9630852855	9630852856	9630852857
Stainless Steel v Carbon Solid (SRU5) . . .	9630853017	9630853018	9630853019	9630853020	9630853021
Stainless Steel v Carbon Solid (SRU6) . . .	9630853184	9630853185	9630853186	9630853187	9630853188
<b>Service kits for Single R90 Mechanical Seal</b>					
Stainless Steel v Carbon Inserted (SRU1) .	9630852363	9630852364	9630852365	9630852366	9630852367
Stainless Steel v Carbon Inserted (SRU2) .	9630852530	9630852531	9630852532	9630852533	9630852534
Stainless Steel v Carbon Inserted (SRU3) .	9630852692	9630852693	9630852694	9630852695	9630852696
Stainless Steel v Carbon Inserted (SRU4) .	9630852858	9630852859	9630852860	9630852861	9630852862
Stainless Steel v Carbon Inserted (SRU5) .	9630853022	9630853023	9630853024	9630853025	9630853026
Stainless Steel v Carbon Inserted (SRU6) .	9630853189	9630853190	9630853191	9630853192	9630853193
<b>Service kits for Single R90 Mechanical Seal</b>					
Silicon Carbide v Carbon Inserted (SRU1) .	9630852368	9630852369	9630852370	9630852371	9630852372
Silicon Carbide v Carbon Inserted (SRU2) .	9630852535	9630852536	9630852537	9630852538	9630852539
Silicon Carbide v Carbon Inserted (SRU3) .	9630852697	9630852698	9630852699	9630852700	9630852701
Silicon Carbide v Carbon Inserted (SRU4) .	9630852863	9630852864	9630852865	9630852866	9630852867
Silicon Carbide v Carbon Inserted (SRU5) .	9630853027	9630853028	9630853029	9630853030	9630853031
Silicon Carbide v Carbon Inserted (SRU6) .	9630853194	9630853195	9630853196	9630853197	9630853198
<b>Service kits for Single R90 Mechanical Seal</b>					
Silicon Carbide v Silicon Carbide (SRU1) . .	9630852373	9630669500	9630852374	9630852375	9630852376
Silicon Carbide v Silicon Carbide (SRU2) . .	9630852540	9630954874	9630941207	9630852541	9630852542
Silicon Carbide v Silicon Carbide (SRU3) . .	9630852702	9630669501	9630940006	9630852703	9630852704
Silicon Carbide v Silicon Carbide (SRU4) . .	9630852868	9630669502	9630940005	9630852869	9630852870
Silicon Carbide v Silicon Carbide (SRU5) . .	9630853032	9630669503	9630853033	9630853034	9630853035
Silicon Carbide v Silicon Carbide (SRU6) . .	9630853199	9630669504	9630853200	9630853201	9630853202



	NBR	EPDM	FPM	FFPM	EPDM USP Class VI
<b>Service kits for Single R90 Mechanical Seal Flushed BSPT</b>					
Stainless Steel v Carbon Solid (SRU1) . . .	9630852358	9630852359	9630852360	9630852361	9630852362
Stainless Steel v Carbon Solid (SRU2) . . .	9630852525	9630852526	9630852527	9630852528	9630852529
Stainless Steel v Carbon Solid (SRU3) . . .	9630852687	9630852688	9630852689	9630852690	9630852691
Stainless Steel v Carbon Solid (SRU4) . . .	9630852853	9630852854	9630852855	9630852856	9630852857
Stainless Steel v Carbon Solid (SRU5) . . .	9630853017	9630853018	9630853019	9630853020	9630853021
Stainless Steel v Carbon Solid (SRU6) . . .	9630853184	9630853184	9630853184	9630853184	9630853184
<b>Service kits for Single R90 Mechanical Seal Flushed BSPT</b>					
Stainless Steel v Carbon Inserted (SRU1) .	9630852363	9630852364	9630852365	9630852366	9630852367
Stainless Steel v Carbon Inserted (SRU2) .	9630852530	9630852531	9630852532	9630852533	9630852534
Stainless Steel v Carbon Inserted (SRU3) .	9630852692	9630852693	9630852694	9630852695	9630852696
Stainless Steel v Carbon Inserted (SRU4) .	9630852858	9630852859	9630852860	9630852861	9630852862
Stainless Steel v Carbon Inserted (SRU5) .	9630853022	9630853023	9630853024	9630853025	9630853026
Stainless Steel v Carbon Inserted (SRU6) .	9630853189	9630853190	9630853191	9630853192	9630853193
<b>Service kits for Single R90 Mechanical Seal Flushed BSPT</b>					
Silicon Carbide v Carbon Inserted (SRU1) .	9630852368	9630852369	9630852370	9630852371	9630852372
Silicon Carbide v Carbon Inserted (SRU2) .	9630852535	9630852536	9630852537	9630852538	9630852539
Silicon Carbide v Carbon Inserted (SRU3) .	9630852697	9630852698	9630852699	9630852700	9630852701
Silicon Carbide v Carbon Inserted (SRU4) .	9630852863	9630852864	9630852865	9630852866	9630852867
Silicon Carbide v Carbon Inserted (SRU5) .	9630853027	9630853028	9630853029	9630853030	9630853031
Silicon Carbide v Carbon Inserted (SRU6) .	9630853194	9630853195	9630853196	9630853197	9630853198
<b>Service kits for Single R90 Mechanical Seal Flushed BSPT</b>					
Silicon Carbide v Silicon Carbide (SRU1) . .	9630852373	9630669500	9630852374	9630852375	9630852376
Silicon Carbide v Silicon Carbide (SRU2) . .	9630852540	9630954874	9630941207	9630852541	9630852542
Silicon Carbide v Silicon Carbide (SRU3) . .	9630852702	9630669501	9630940006	9630852703	9630852704
Silicon Carbide v Silicon Carbide (SRU4) . .	9630852868	9630669502	9630940005	9630852869	9630852870
Silicon Carbide v Silicon Carbide (SRU5) . .	9630853032	9630669503	9630853033	9630853034	9630853035
Silicon Carbide v Silicon Carbide (SRU6) . .	9630853199	9630669504	9630853200	9630853201	9630853202

## Service kits for Single R90 Mechanical Seal Flushed BSPT

Stainless Steel v Carbon Solid (SRU1) . . .	9630852358	9630852359	9630852360	9630852361	9630852362
Stainless Steel v Carbon Solid (SRU2) . . .	9630852525	9630852526	9630852527	9630852528	9630852529
Stainless Steel v Carbon Solid (SRU3) . . .	9630852687	9630852688	9630852689	9630852690	9630852691
Stainless Steel v Carbon Solid (SRU4) . . .	9630852853	9630852854	9630852855	9630852856	9630852857
Stainless Steel v Carbon Solid (SRU5) . . .	9630853017	9630853018	9630853019	9630853020	9630853021
Stainless Steel v Carbon Solid (SRU6) . . .	9630853184	9630853185	9630853186	9630853187	9630853188

## Service kits for Single R90 Mechanical Seal Flushed BSPT

Stainless Steel v Carbon Solid (SRU1) . . .	9630852363	9630852364	9630852365	9630852366	9630852367
Stainless Steel v Carbon Solid (SRU2) . . .	9630852530	9630852531	9630852532	9630852533	9630852534
Stainless Steel v Carbon Solid (SRU3) . . .	9630852692	9630852693	9630852694	9630852695	9630852696
Stainless Steel v Carbon Solid (SRU4) . . .	9630852858	9630852859	9630852860	9630852861	9630852862
Stainless Steel v Carbon Solid (SRU5) . . .	9630853022	9630853023	9630853024	9630853025	9630853026
Stainless Steel v Carbon Solid (SRU6) . . .	9630853189	9630853190	9630853191	9630853192	9630853193

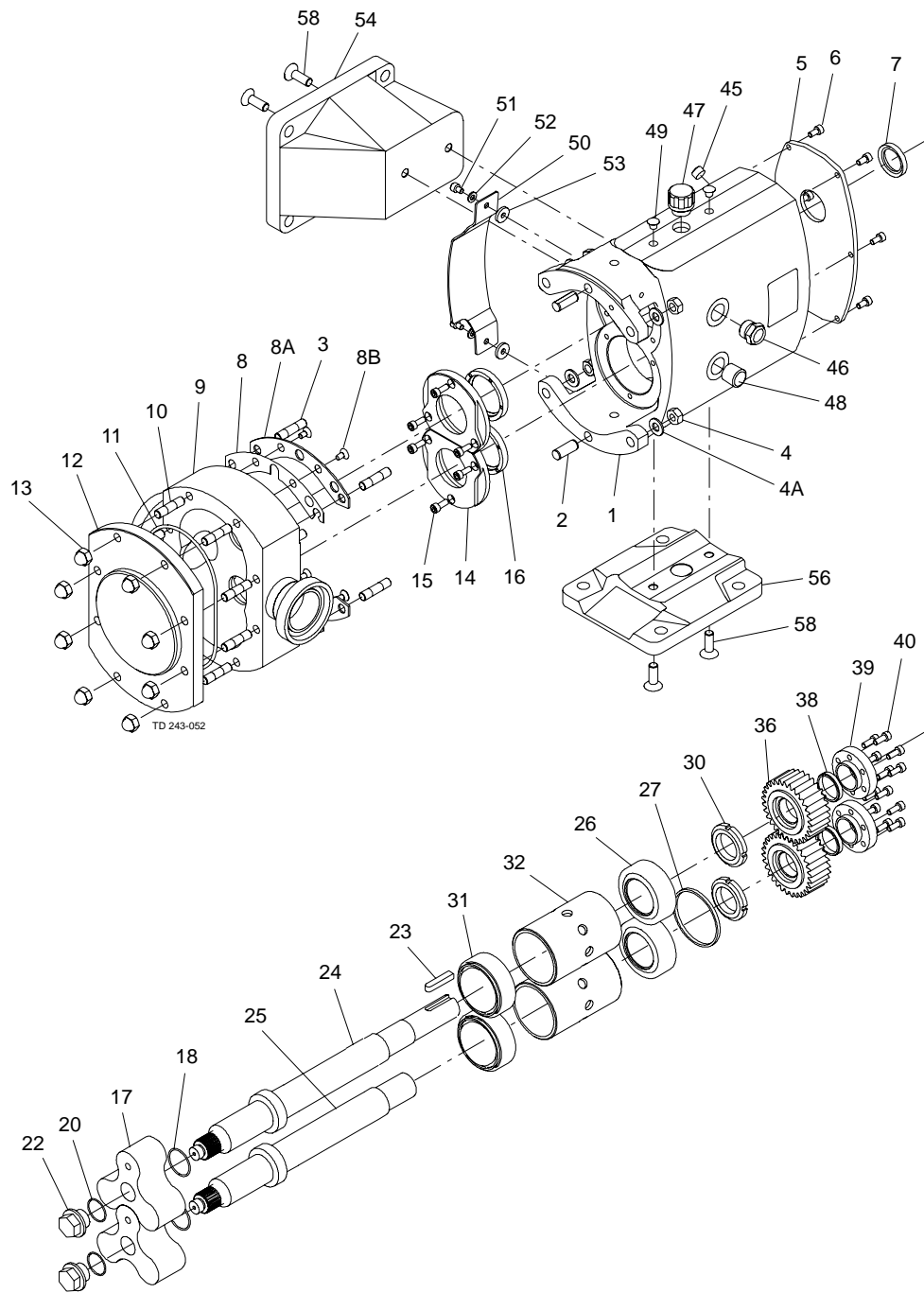
## Service kits for Single R90 Mechanical Seal Flushed BSPT

Silicon Carbide v Carbon Inserted (SRU1) .	9630852368	9630852369	9630852370	9630852371	9630852372
Silicon Carbide v Carbon Inserted (SRU2) .	9630852535	9630852536	9630852537	9630852538	9630852539
Silicon Carbide v Carbon Inserted (SRU3) .	9630852697	9630852698	9630852699	9630852700	9630852701
Silicon Carbide v Carbon Inserted (SRU4) .	9630852863	9630852864	9630852865	9630852866	9630852867
Silicon Carbide v Carbon Inserted (SRU5) .	9630853027	9630853028	9630853029	9630853030	9630853031
Silicon Carbide v Carbon Inserted (SRU6) .	9630853194	9630853195	9630853196	9630853197	9630853198

## Service kits for Single R90 Mechanical Seal Flushed BSPT

Silicon Carbide v Silicon Carbide (SRU1) . .	9630852373	9630669500	9630852374	9630852375	9630852376
Silicon Carbide v Silicon Carbide (SRU2) . .	9630852540	9630954874	9630941207	9630852541	9630852542
Silicon Carbide v Silicon Carbide (SRU3) . .	9630852702	9630669501	9630940006	9630852703	9630852704
Silicon Carbide v Silicon Carbide (SRU4) . .	9630852868	9630669502	9630940005	9630852869	9630852870
Silicon Carbide v Silicon Carbide (SRU5) . .	9630853032	9630669503	9630853033	9630853034	9630853035
Silicon Carbide v Silicon Carbide (SRU6) . .	9630853199	9630669504	9630853200	9630853201	9630853202



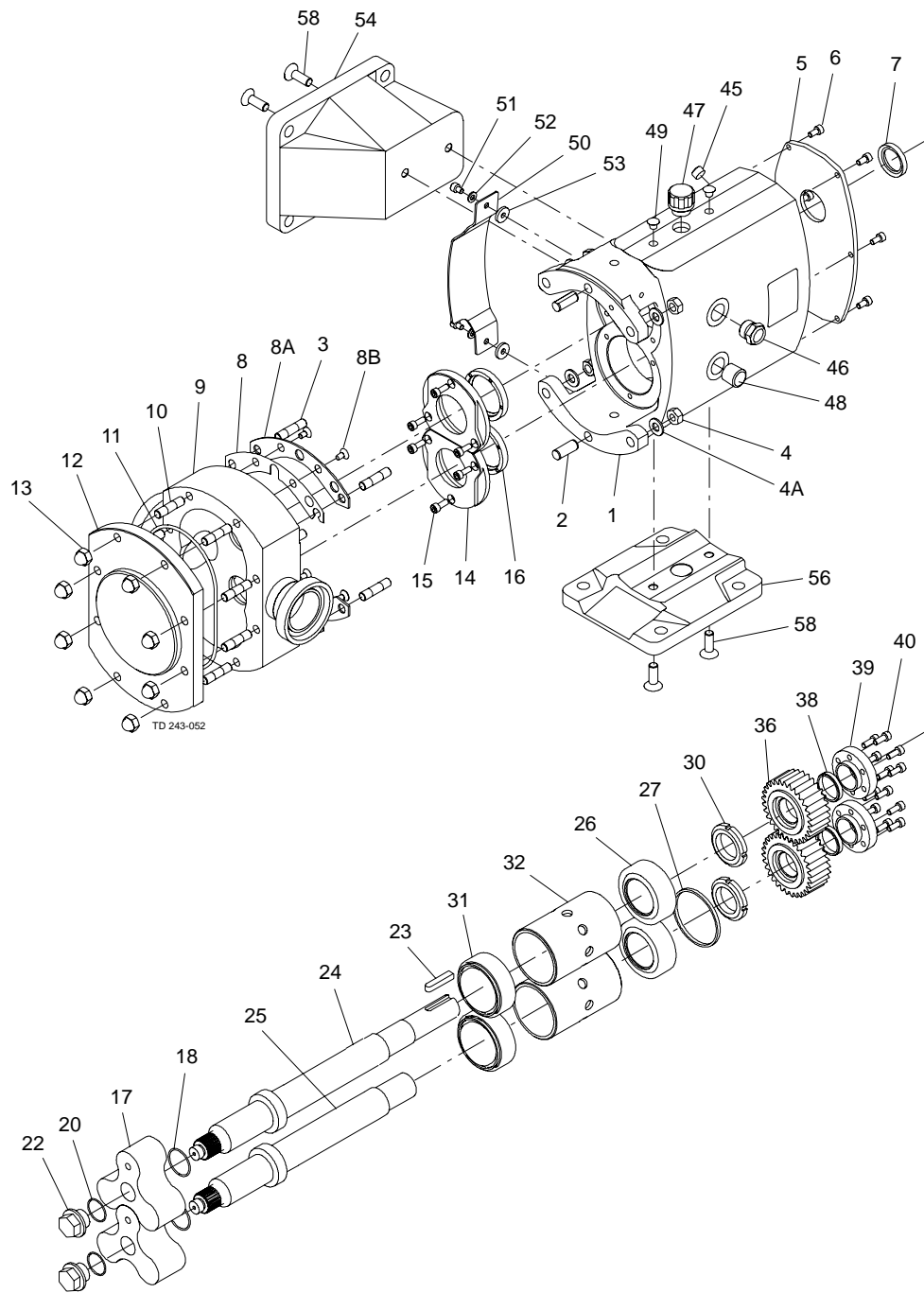




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EPDM Inboard and Outboard	FFPM Inboard and Outboard	FPM Inboard and Outboard	NBR Inboard and Outboard
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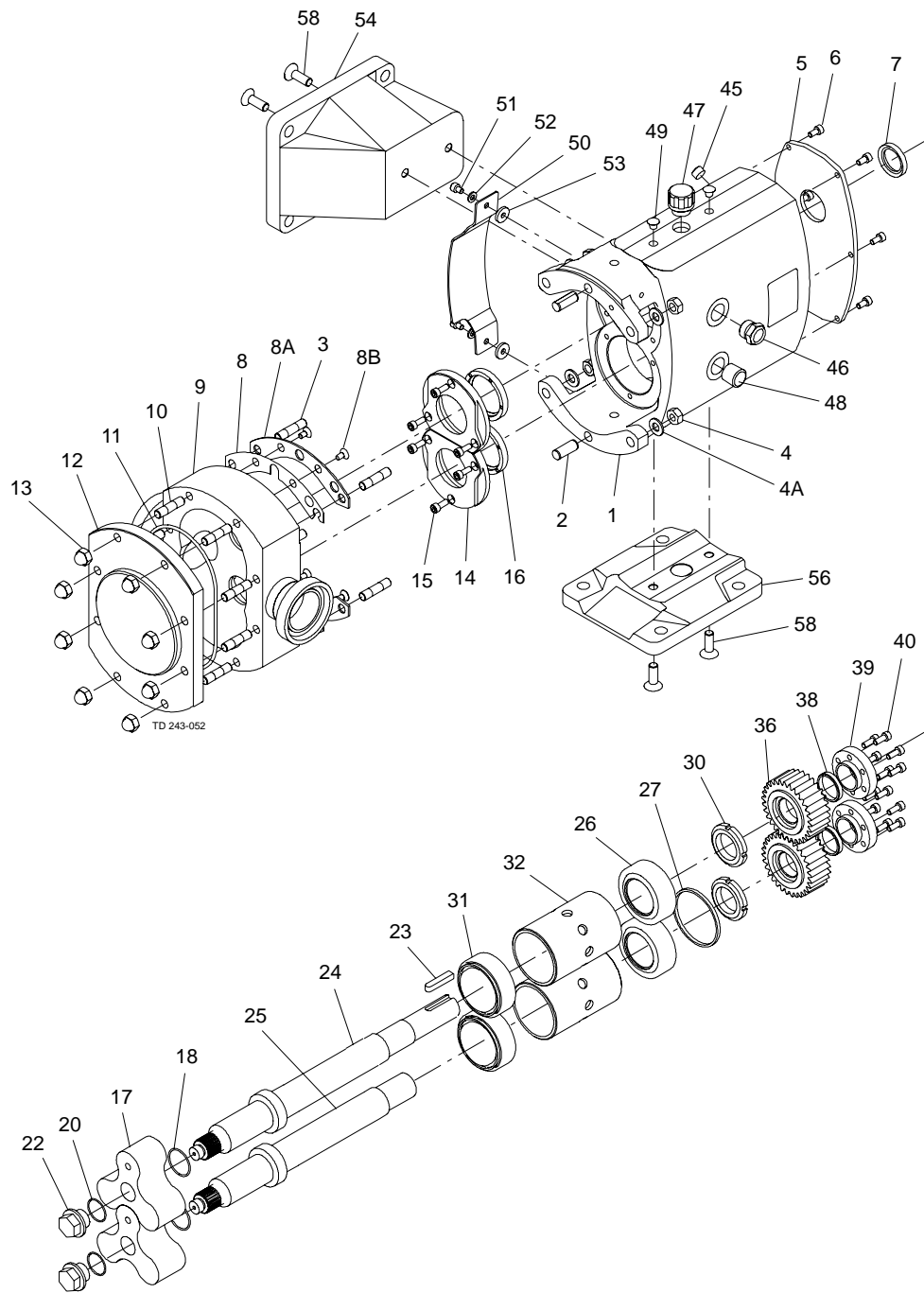
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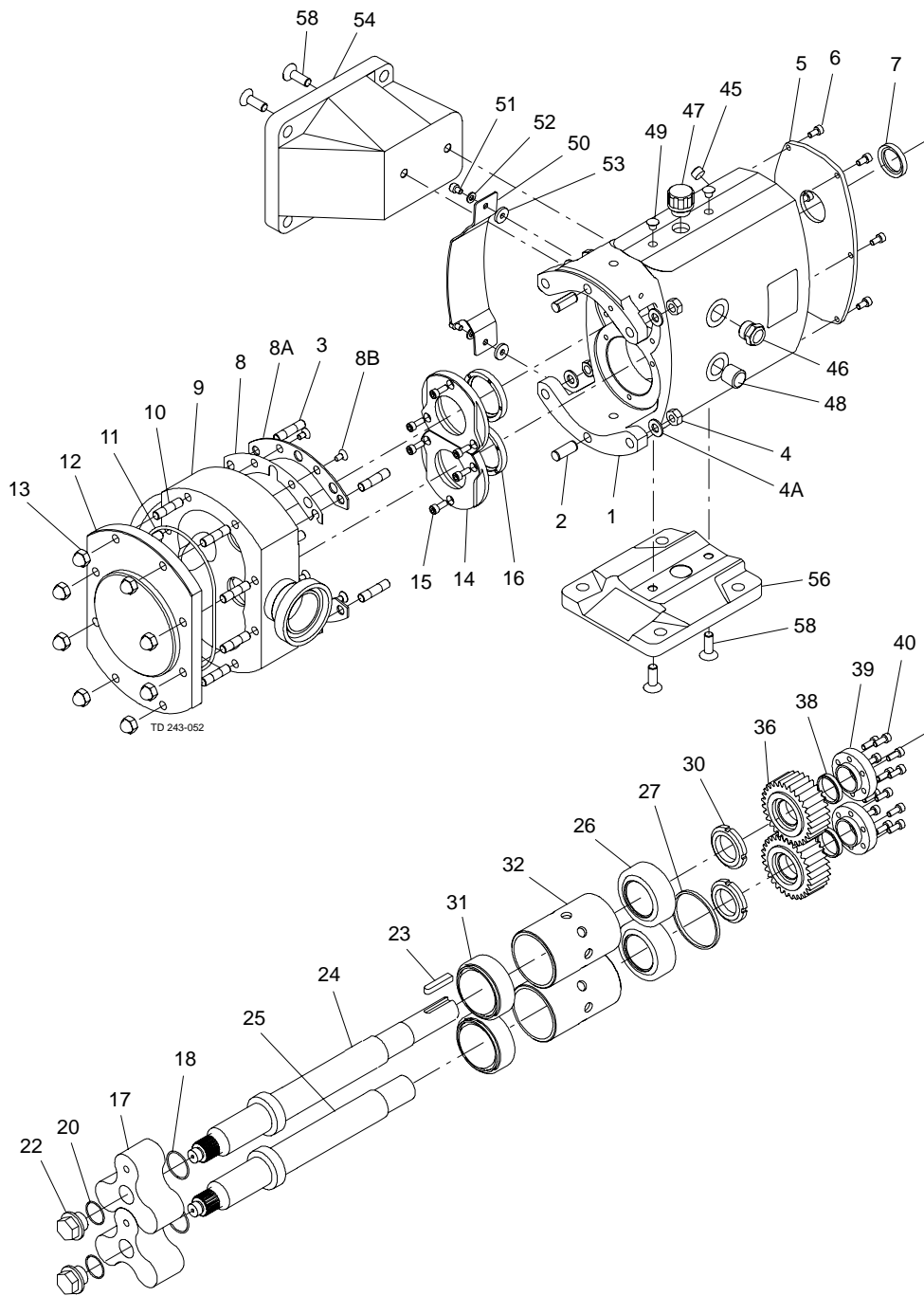
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EPDM Inboard and Outboard	FFPM Inboard and Outboard	FPM Inboard and Outboard	NBR Inboard and Outboard
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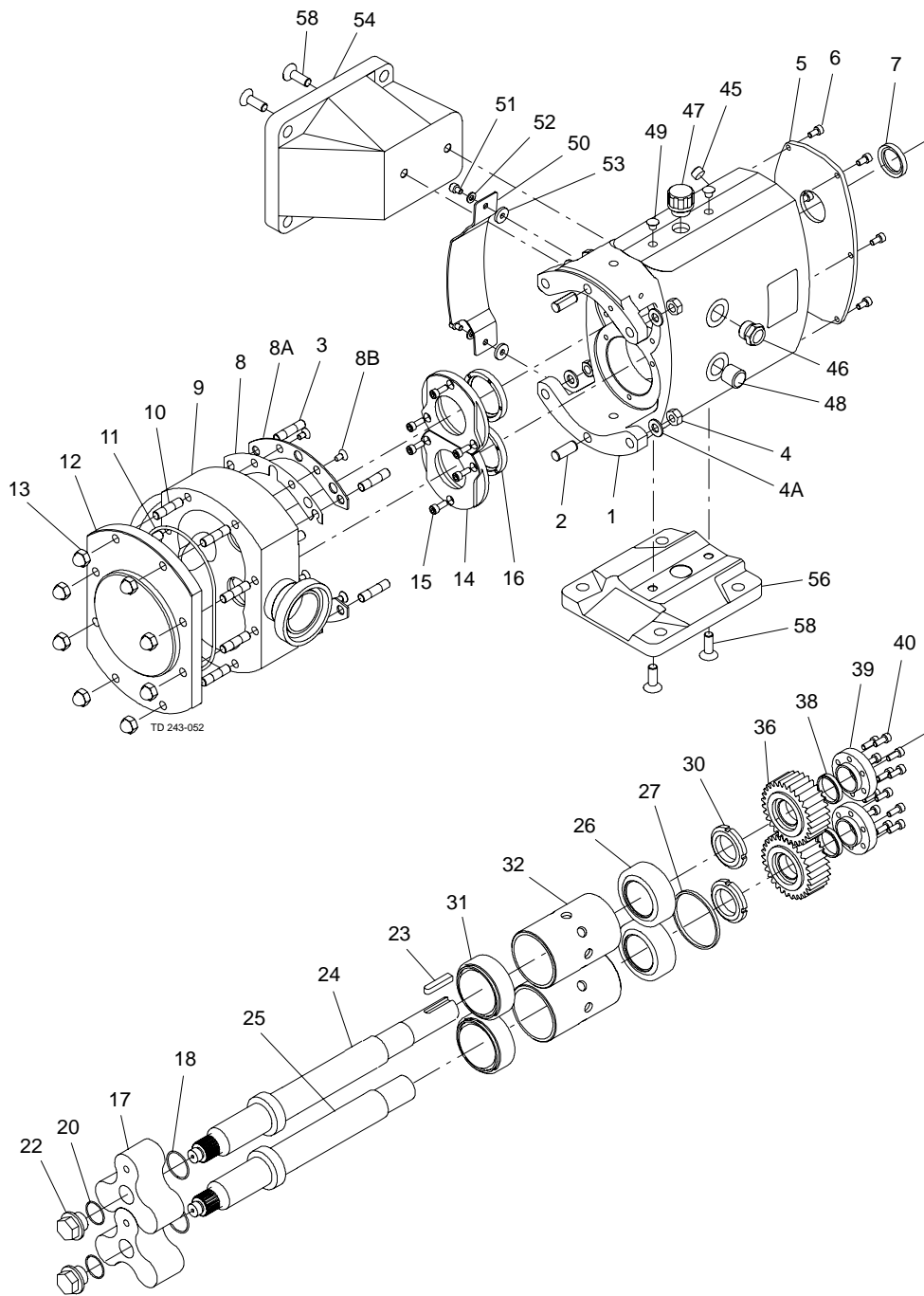
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	EPDM	EPDM USP Class VI	FPM	NBR
<b>Service kits for Single Hyclean Mechanical Seal</b>				
Silicon Carbide v Carbon (SRU1)	9630852509	9630852510	9630852511	9630852512
Silicon Carbide v Carbon (SRU2)	9630924093	9630852673	9630669009	9630852674
Silicon Carbide v Carbon (SRU3)	9630852837	9630852838	9630852839	9630852840
Silicon Carbide v Carbon (SRU4)	9630853003	9630853004	9630853005	9630853006
Silicon Carbide v Carbon (SRU5)	9630853168	9630853169	9630853170	9630853171
Silicon Carbide v Carbon (SRU6)	9630853335	9630853336	9630853337	9630853338
<b>Service kits for Single Hyclean Mechanical Seal</b>				
Silicon Carbide v Silicon Carbide (SRU1)	9630852513	9630852514	9630852515	9630852516
Silicon Carbide v Silicon Carbide (SRU2)	9630852675	9630852676	9630852677	9630852678
Silicon Carbide v Silicon Carbide (SRU3)	9630852841	9630852842	9630852843	9630852844
Silicon Carbide v Silicon Carbide (SRU4)	9630929227	9630853007	9630997261	9630853008
Silicon Carbide v Silicon Carbide (SRU5)	9630853172	9630853173	9630853174	9630853175
Silicon Carbide v Silicon Carbide (SRU6)	9630853339	9630853340	9630853341	9630853342
<b>Service kits for Single Hyclean Mechanical Seal</b>				
Silicon Carbide v Silicon Carbide Inserted (SRU1)	9630852517	9630852518	9630852519	9630852520
Silicon Carbide v Silicon Carbide Inserted (SRU2)	9630852679	9630852680	9630852681	9630852682
Silicon Carbide v Silicon Carbide Inserted (SRU3)	9630852845	9630852846	9630852847	9630852848
Silicon Carbide v Silicon Carbide Inserted (SRU4)	9630853009	9630853010	9630853011	9630853012
Silicon Carbide v Silicon Carbide Inserted (SRU5)	9630853176	9630853177	9630853178	9630853179
Silicon Carbide v Silicon Carbide Inserted (SRU6)	9630853343	9630853344	9630853345	9630853346
<b>Service kits for Single Hyclean Mechanical Seal</b>				
Stainless Steel v Carbon (SRU1)	9630852521	9630852522	9630852523	9630852524
Stainless Steel v Carbon (SRU2)	9630852683	9630852684	9630852685	9630852686
Stainless Steel v Carbon (SRU3)	9630852849	9630852850	9630852851	9630852852
Stainless Steel v Carbon (SRU4)	9630853013	9630853014	9630853015	9630853016
Stainless Steel v Carbon (SRU5)	9630853180	9630853181	9630853182	9630853183
Stainless Steel v Carbon (SRU6)	9630853347	9630853348	9630853349	9630853350

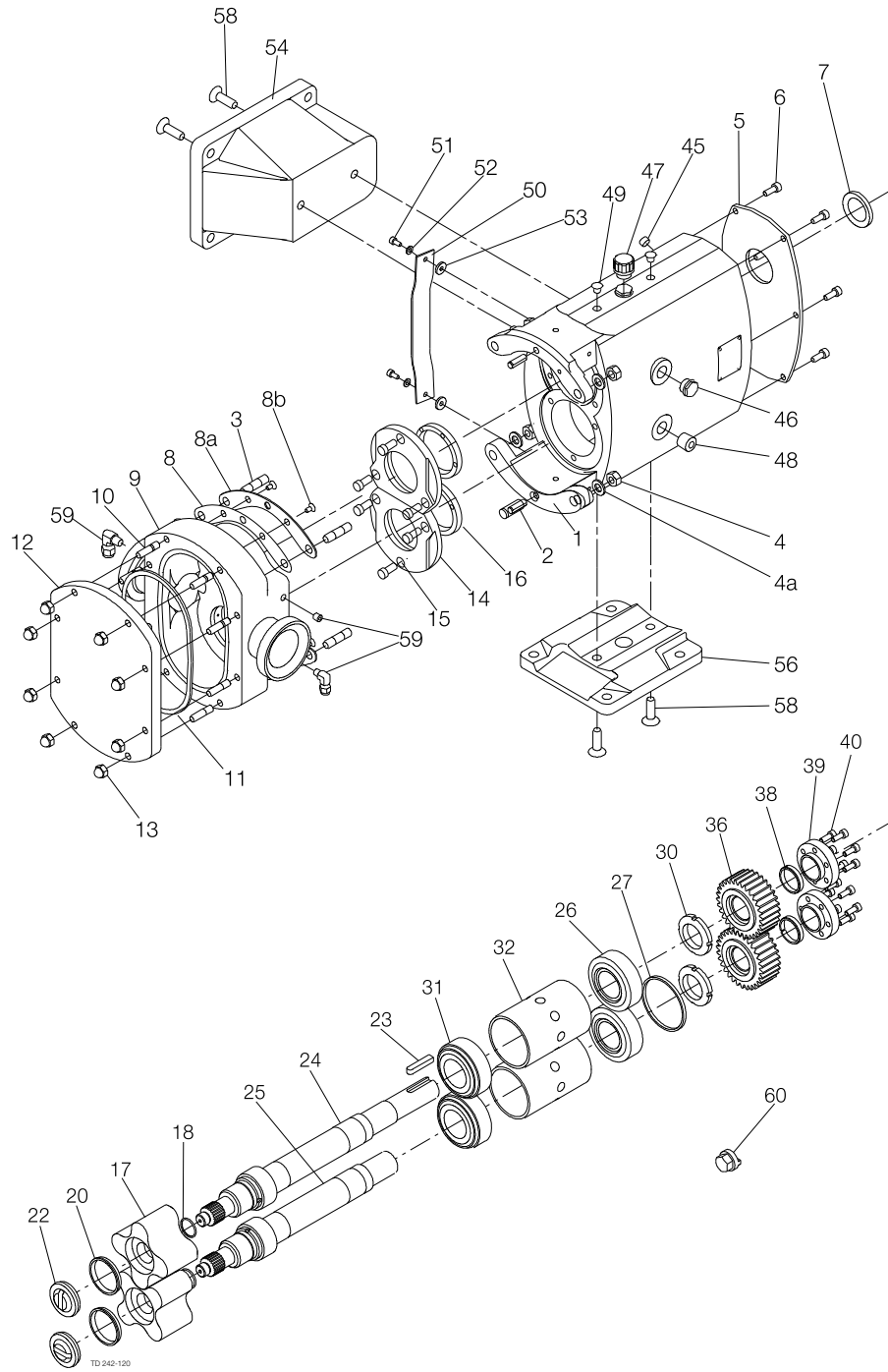


	EPDM	EPDM USP Class VI	FPM	NBR
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Carbon (SRU1) . . . . .	9630852509	9630852510	9630852511	9630852512
Silicon Carbide v Carbon (SRU2) . . . . .	9630924093	9630852673	9630669009	9630852674
Silicon Carbide v Carbon (SRU3) . . . . .	9630852837	9630852838	9630852839	9630852840
Silicon Carbide v Carbon (SRU4) . . . . .	9630853003	9630853004	9630853005	9630853006
Silicon Carbide v Carbon (SRU5) . . . . .	9630853168	9630853169	9630853170	9630853171
Silicon Carbide v Carbon (SRU6) . . . . .	9630853335	9630853336	9630853337	9630853338
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Silicon Carbide (SRU1) . . . . .	9630852513	9630852514	9630852515	9630852516
Silicon Carbide v Silicon Carbide (SRU2) . . . . .	9630852675	9630852676	9630852677	9630852678
Silicon Carbide v Silicon Carbide (SRU3) . . . . .	9630852841	9630852842	9630852843	9630852844
Silicon Carbide v Silicon Carbide (SRU4) . . . . .	9630929227	9630853007	9630997261	9630853008
Silicon Carbide v Silicon Carbide (SRU5) . . . . .	9630853172	9630853173	9630853174	9630853175
Silicon Carbide v Silicon Carbide (SRU6) . . . . .	9630853339	9630853340	9630853341	9630853342
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Silicon Carbide v Silicon Carbide Inserted (SRU1) . . . . .	9630852517	9630852518	9630852519	9630852520
Silicon Carbide v Silicon Carbide Inserted (SRU2) . . . . .	9630852679	9630852680	9630852681	9630852682
Silicon Carbide v Silicon Carbide Inserted (SRU3) . . . . .	9630852845	9630852846	9630852847	9630852848
Silicon Carbide v Silicon Carbide Inserted (SRU4) . . . . .	9630853009	9630853010	9630853011	9630853012
Silicon Carbide v Silicon Carbide Inserted (SRU5) . . . . .	9630853176	9630853177	9630853178	9630853179
Silicon Carbide v Silicon Carbide Inserted (SRU6) . . . . .	9630853343	9630853344	9630853345	9630853346
<b>Service kits for Single Hyclean Mech Seal Flushed BSPT</b>				
Stainless Steel v Carbon (SRU1) . . . . .	9630852521	9630852522	9630852523	9630852524
Stainless Steel v Carbon (SRU2) . . . . .	9630852683	9630852684	9630852685	9630852686
Stainless Steel v Carbon (SRU3) . . . . .	9630852849	9630852850	9630852851	9630852852
Stainless Steel v Carbon (SRU4) . . . . .	9630853013	9630853014	9630853015	9630853016
Stainless Steel v Carbon (SRU5) . . . . .	9630853180	9630853181	9630853182	9630853183
Stainless Steel v Carbon (SRU6) . . . . .	9630853347	9630853348	9630853349	9630853350

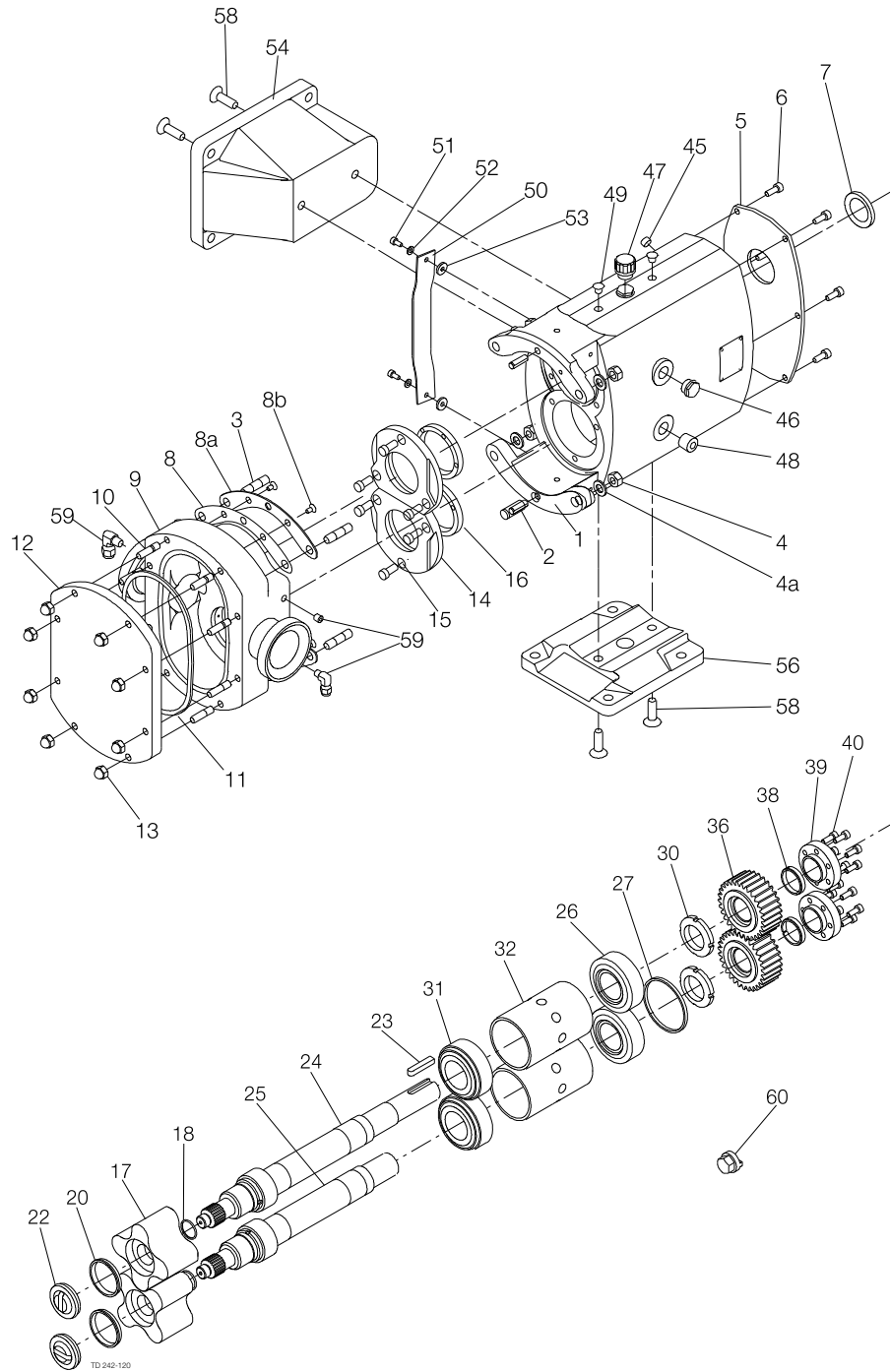




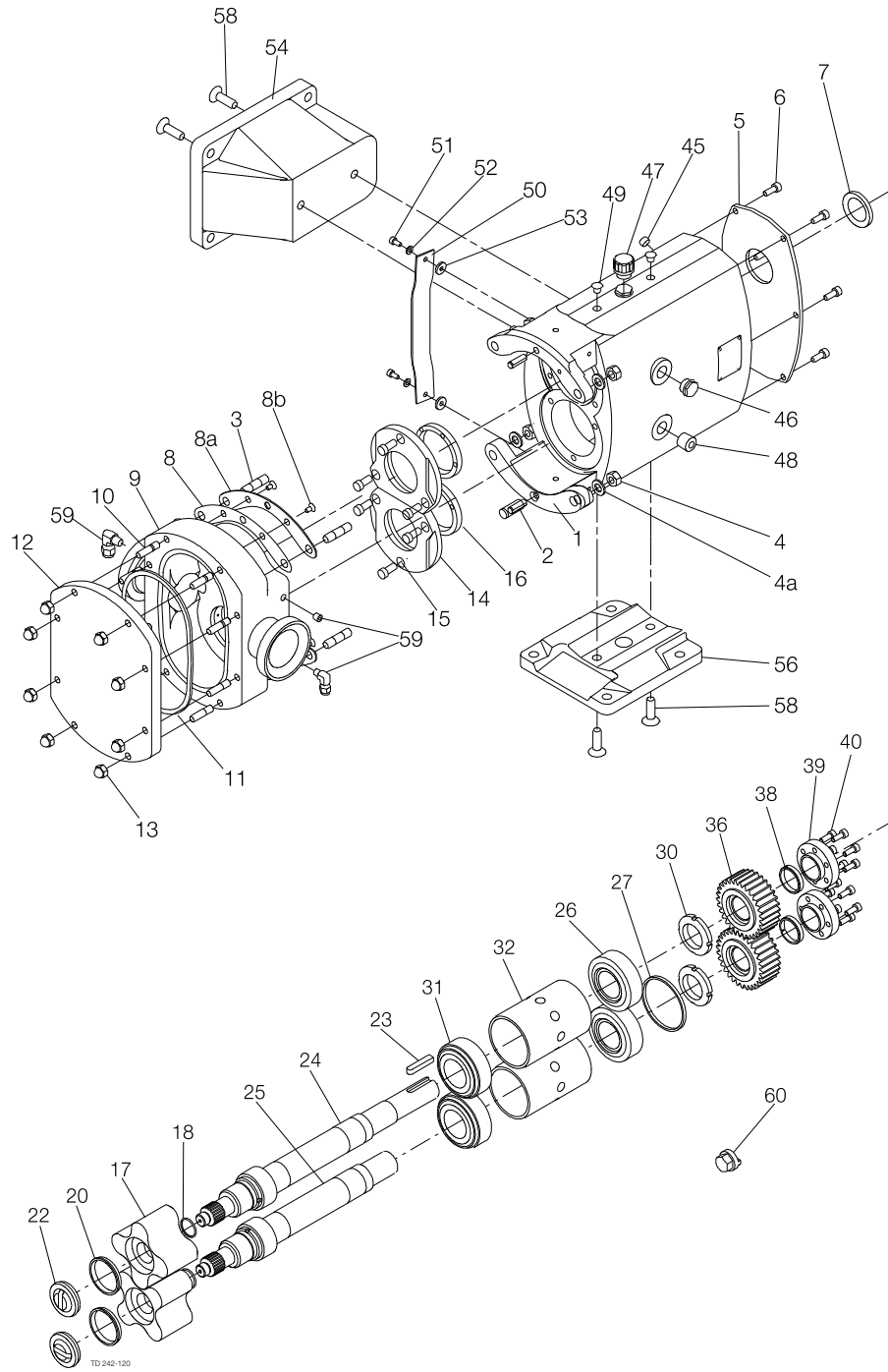
	EPDM	EPDM USP Class VI	FPM	NBR
<b>Service kits for Single Hyclean Mech Seal Flushed NPT</b>				
Silicon Carbide v Carbon (SRU1) . . . . .	9630852509	9630852510	9630852511	9630852512
Silicon Carbide v Carbon (SRU2) . . . . .	9630924093	9630852673	9630669009	9630852674
Silicon Carbide v Carbon (SRU3) . . . . .	9630852837	9630852838	9630852839	9630852840
Silicon Carbide v Carbon (SRU4) . . . . .	9630853003	9630853004	9630853005	9630853006
Silicon Carbide v Carbon (SRU5) . . . . .	9630853168	9630853169	9630853170	9630853171
Silicon Carbide v Carbon (SRU6) . . . . .	9630853335	9630853336	9630853337	9630853338
<b>Service kits for Single Hyclean Mech Seal Flushed NPT</b>				
Silicon Carbide v Silicon Carbide (SRU1) . . . . .	9630852513	9630852514	9630852515	9630852516
Silicon Carbide v Silicon Carbide (SRU2) . . . . .	9630852675	9630852676	9630852677	9630852678
Silicon Carbide v Silicon Carbide (SRU3) . . . . .	9630852841	9630852842	9630852843	9630852844
Silicon Carbide v Silicon Carbide (SRU4) . . . . .	9630929227	9630853007	9630997261	9630853008
Silicon Carbide v Silicon Carbide (SRU5) . . . . .	9630853172	9630853173	9630853174	9630853175
Silicon Carbide v Silicon Carbide (SRU6) . . . . .	9630853339	9630853340	9630853341	9630853342
<b>Service kits for Single Hyclean Mech Seal Flushed NPT</b>				
Silicon Carbide v Silicon Carbide Inserted (SRU1) . . . . .	9630852517	9630852517	9630852517	9630852517
Silicon Carbide v Silicon Carbide Inserted (SRU2) . . . . .	9630852679	9630852680	9630852681	9630852682
Silicon Carbide v Silicon Carbide Inserted (SRU3) . . . . .	9630852845	9630852846	9630852847	9630852848
Silicon Carbide v Silicon Carbide Inserted (SRU4) . . . . .	9630853009	9630853010	9630853011	9630853012
Silicon Carbide v Silicon Carbide Inserted (SRU5) . . . . .	9630853176	9630853177	9630853178	9630853179
Silicon Carbide v Silicon Carbide Inserted (SRU6) . . . . .	9630853343	9630853344	9630853345	9630853346
<b>Service kits for Single Hyclean Mech Seal Flushed NPT</b>				
Stainless Steel v Carbon (SRU1) . . . . .	9630852521	9630852522	9630852523	9630852524
Stainless Steel v Carbon (SRU2) . . . . .	9630852683	9630852684	9630852685	9630852686
Stainless Steel v Carbon (SRU3) . . . . .	9630852849	9630852850	9630852851	9630852852
Stainless Steel v Carbon (SRU4) . . . . .	9630853013	9630853014	9630853015	9630853016
Stainless Steel v Carbon (SRU5) . . . . .	9630853180	9630853181	9630853182	9630853183
Stainless Steel v Carbon (SRU6) . . . . .	9630853347	9630853348	9630853349	9630853350



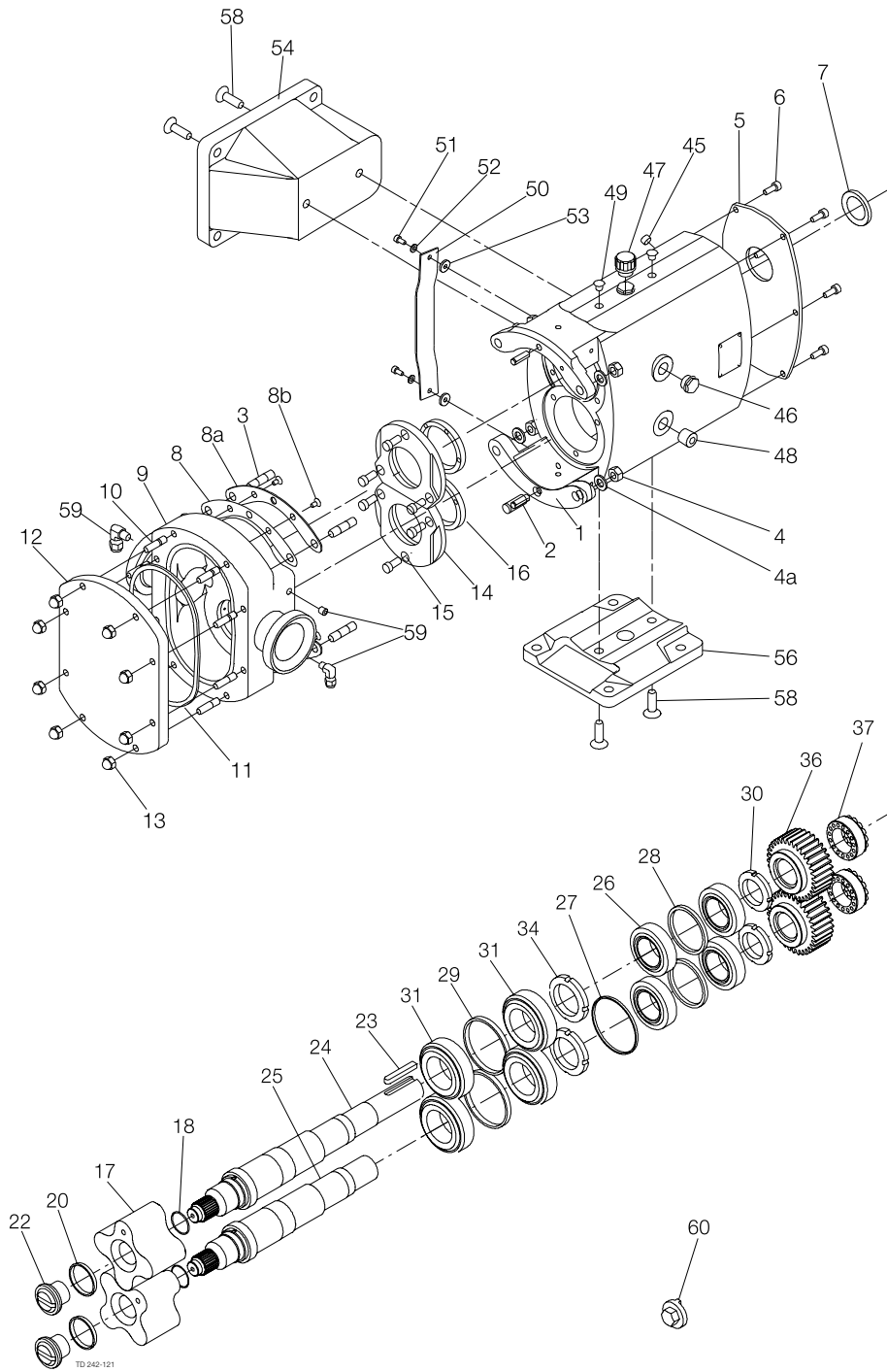
Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630070599
2	2	Dowel	9630030093
3	4	Stud, rotorcase retention & cover retention, SX1/005	9630074135
	4	Stud, rotorcase retention, SX1/007	9630052259
4	4	Nut, rotorcase retention	9630024057
4a	4	Washer, rotorcase retention	9630024231
5	1	Cover gearcase	9630070842
6	6	Screw gearcase cover	9630030332
7	1	Lip seal, rear	9630032806
8	1	Shim - standard, (for ATEX pump see 'ATEX Parts') Polymex	9630034305
set			
8a	2	Shim retainer	9630050684
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 1" (25mm) connections DIN11851, SX1/005	9630102095
	1	Rotorcase, 1" (25mm) connections ISS/IDF, SX1/005	9630102094
	1	Rotorcase, 1" (25mm) connections RJT, SX1/005	9630102096
	1	Rotorcase, 1" (25mm) connections SMS, SX1/005	9630102093
	1	Rotorcase, 1" (25mm) connections Tri-clamp	9630102092
	1	Rotorcase, 1.1/2" (40mm) connections DIN11851, SX1/007	9630102116
	1	Rotorcase, 1.1/2" (40mm) connections ISS/IDF, SX1/007	9630102115
	1	Rotorcase, 1.1/2" (40mm) RJT, SX1/007	9630102113
	1	Rotorcase, 1.1/2" (40mm) connections SMS, SX1/007	9630102114
	1	Rotorcase, 1.1/2" (40mm) connections Tri-clamp SX1/007	9630102112
10	4	Stud, rotorcase/cover retention, SX1/007	9630052259
11	1	Compression joint, FPM	9630070718
	1	Compression joint, Silicone	9630070719
	1	Compression joint, EPDM	9630070720
12	1	Cover, rotorcase	9630070814
13	4	Dome nut, rotorcase cover	9630024095
14	2	Retainer, seal	9630070802
15	6	Screw, seal retainer	9630030332
16	2	Lip seal, gland end	9630072343
17	2	Rotor, Stainless Steel, 6 bar 150°C, SX1/005	9630111925
	2	Rotor, Stainless Steel, 12 bar 150°C, SX1/007	9630112717
	2	Rotor, Stainless Steel, 7 bar 150°C, SX1/007	9630126009
20	2	Cup seal, rotor retainer, FPM	9630070696
	2	Cup seal, rotor retainer, Silicone	9630070698
	2	Cup seal, rotor retainer, EPDM	9630070697
22	2	Rotor retainer	9630070730
23	1	Key	9630031498
24	1	Shaft, drive, SX1/005	9630070799
	1	Shaft, drive, SX1/007	9630070800
25	1	Shaft, auxiliary, SX1/005	9630070798
	1	Shaft, auxiliary, SX1/007	9630070801
26	2	Bearing, rear	9630029026
27	1	Spacer, shaft abutment	9630032664
30	2	Nut, bearing	9630029135
31	2	Bearing, front	9630029026
32	2	Spacer, bearing	9630033403
36	2	Timing gear	9630069308
38	2	Torque locking element	9630025151
39	2	Clamp plate	9630031371
40	6	Screw, clamp plate	9630030096
45	2	Drain plug	9630023546
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630018599
48	2	Plug	9630023548
49	4	Blanking plug	9630089950
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630074944
51	4	Screw, gland guard	9630050533
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070562
56	1	Foot, horizontal port	9630070561
58	2	Screw, foot	9630074795
60	1	Tool, rotor retainer	9630070709



Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630070054
2	2	Dowel	9630030093
3	4	Stud, rotorcase retention	9630052261
4	4	Nut, rotorcase retention	9630024051
4a	4	Washer, rotorcase retention	9630024233
5	1	Cover gearcase	9630070008
6	6	Screw, gearcase cover	9630021069
7	1	Lip seal, rear	9630032807
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630034199
set			
8a	2	Shim retainer	9630089541
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 1.1/2" (40mm) DIN11851, SX2/013	9630102158
	1	Rotorcase, 1.1/2" (40mm) connections ISS/IDF, SX2/013	9630102159
	1	Rotorcase, 1.1/2" (40mm) connections RJT, SX2/013	9630102160
	1	Rotorcase, 1.1/2" (40mm) connections SMS, SX2/013	9630102161
	1	Rotorcase, 1.1/2" (40mm) connections Tri-clamp, SX2/013	9630102119
	1	Rotorcase, 2" (50mm) connections DIN11851, SX2/018	9630102162
	1	Rotorcase, 2" (50mm) connections ISS/IDF, SX2/018	9630102163
	1	Rotorcase, 2" (50mm) connections RJT, SX2/018	9630102164
	1	Rotorcase, 2" (50mm) connections SMS, SX2/018	9630102165
	1	Rotorcase, 2" (50mm) connections Tri-clamp, SX2/018	9630102166
10	4	Stud, rotorcase/cover retention	9630024086
11	1	Compression joint, FPM	9630070193
	1	Compression joint, Silicone	9630070194
	1	Compression joint, EPDM	9630070195
12	1	Cover, rotorcase	9630069665
13	4	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630069355
15	6	Screw, seal retainer	9630021069
16	2	Lip seal, front	9630043050
17	2	Rotor, Stainless Steel, 5 bar 150°C, SX2/013	9630103470
	2	Rotor, Stainless Steel, 15 bar 150°C, SX2/013	9630105398
	2	Rotor, Stainless Steel, 7 bar 150°C, SX2/018	9630110785
20	2	Cup seal, rotor retainer, FPM	9630069429
	2	Cup seal, rotor retainer, Silicone	9630069427
	2	Cup seal, rotor retainer, EPDM	9630069424
22	2	Rotor retainer, SX2/013	9630069548
	2	Rotor retainer, SX2/018	9630070034
23	1	Key	9630023916
24	1	Shaft, drive	9630069668
25	1	Shaft, auxiliary	9630069666
26	2	Bearing, rear	9630069297
27	1	Spacer, shaft abutment	9630069959
30	2	Nut, bearing	9630029136
31	2	Bearing, front	9630069297
32	2	Spacer, bearing	9630069353
36	2	Timing gear	9630069305
38	2	Torque locking element	9630030115
39	2	Clamp plate	9630031407
40	12	Screw, clamp plate	9630024595
45	2	Drain plug	9630023546
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630018599
48	2	Plug	9630023548
49	4	Blanking plug	9630087278
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630074946
51	4	Screw, gland guard	9630050533
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630069904
56	1	Foot, horizontal port	9630069903
58	2	Screw, foot	9630074794
60	1	Tool, rotor retainer	9630070709

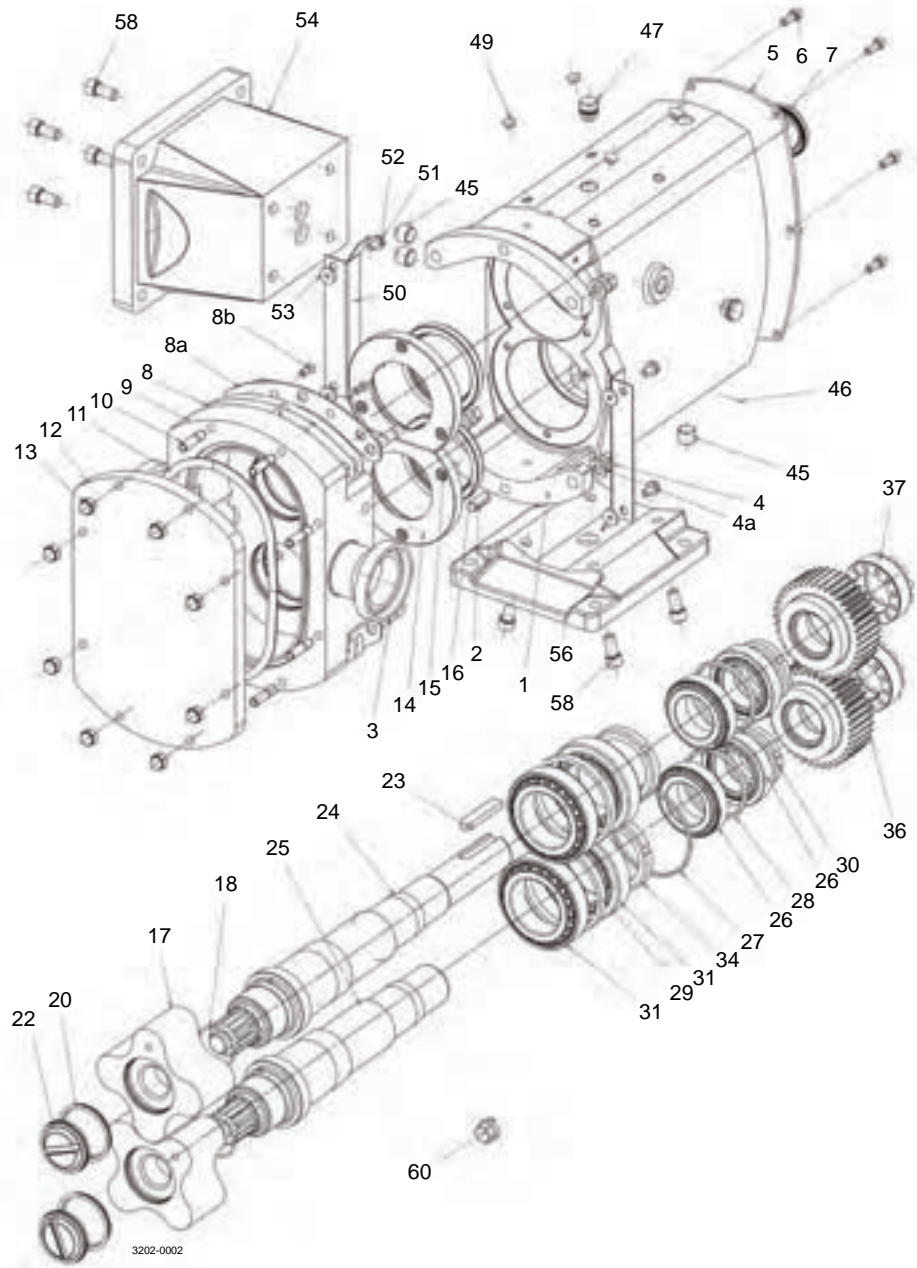


Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630087580
2	2	Dowel	9630023461
3	4	Stud, rotorcase retention	9630052263
4	4	Nut, rotorcase retention	9630024051
4A	4	Washer, rotorcase retention	9630024233
5	1	Cover, gearcase	9630070039
6	6	Screw, gearcase cover	9630021069
7	1	Lip seal, rear	9630032808
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630034130
set			
8A	2	Shim retainer	9630089542
8B	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 2" (50mm) connections DIN11851, SX3/027	9630102167
	1	Rotorcase, 2" (50mm) connections ISS/IDF, SX3/027	9630102168
	1	Rotorcase, 2" (50mm) connections RJT, SX3/027	9630102169
	1	Rotorcase, 2" (50mm) connections SMS, SX3/027	9630102170
	1	Rotorcase, 2" (50mm) connections Tri-clamp, SX3/027	9630102171
	1	Rotorcase, 2.1/2" (65mm) connections DIN11851, SX3/035	9630102172
	1	Rotorcase, 2.1/2" (65mm) connections ISS/IDF, SX3/035	9630102173
	1	Rotorcase, 2.1/2" (65mm) connections RJT, SX3/035	9630102174
	1	Rotorcase, 2.1/2" (65mm) connections SMS, SX3/035	9630102175
	1	Rotorcase, 2.1/2" (65mm) connections Tri-clamp, SX3/035	9630102176
10	8	Stud, rotorcase/cover retention	9630027490
11	1	Compression joint, FPM	9630070679
	1	Compression joint, Silicone	9630069223
	1	Compression joint, EPDM	9630069395
12	1	Cover, rotorcase	9630069707
13	8	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630025431
15	6	Screw, seal retainer	9630021069
16	2	Lip seal, front	9630032798
17	2	Rotor, Stainless Steel 5 bar 150°C, SX3/027	9630124273
	2	Rotor, Stainless Steel 15 bar 150°C, SX3/027	9630102905
	2	Rotor, Stainless Steel 7 bar 150°C, SX3/035	9630113513
20	2	Cup seal, rotor retainer, FPM	9630069430
	2	Cup seal, rotor retainer, Silicone	9630069428
	2	Cup seal, rotor retainer, EPDM	9630069425
22	2	Rotor retainer, SX3/027	9630069705
	2	Rotor retainer, SX3/035	9630070261
23	1	Key	9630031499
24	1	Shaft, drive	9630069745
25	1	Shaft, auxiliary	9630069743
26	2	Bearing, rear	9630029030
27	1	Spacer, shaft abutment	9630032683
30	2	Nut, bearing	9630029137
31	2	Bearing, front	9630029030
32	2	Spacer, bearing	9630029695
36	2	Timing gear	9630027688
38	4	Torque locking element	9630030273
39	2	Clamp plate	9630029175
40	12	Screw, clamp plate	9630024591
45	2	Drain plug	9630023546
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630018599
48	2	Plug	9630023548
49	4	Blanking plug	9630087278
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630074947
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630125239
56	1	Foot, horizontal port	9630070492
58	2	Screw, foot	9630074776
60	1	Tool, rotor retainer	9630070709

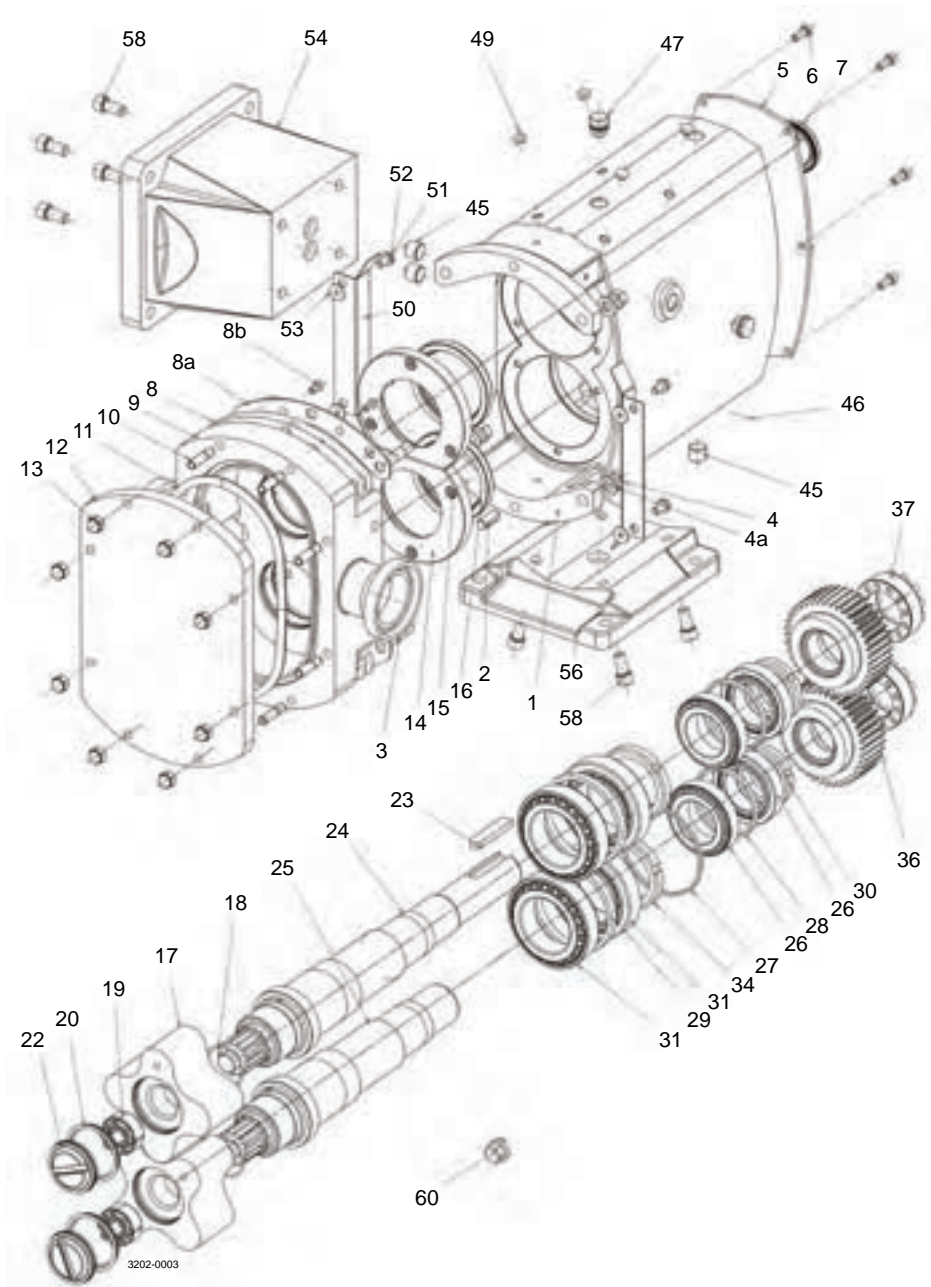




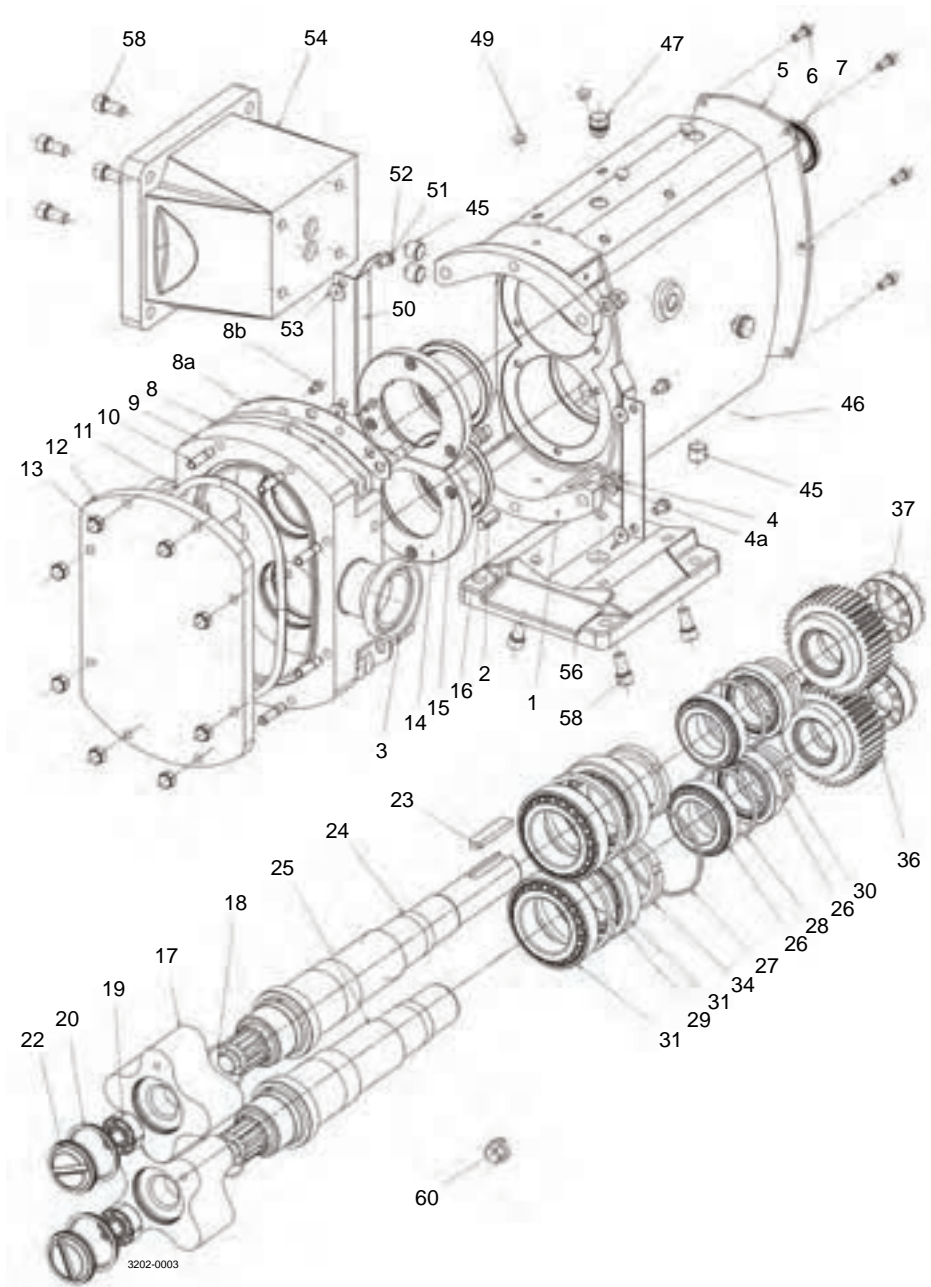
Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630070362
2	2	Dowel	9630070385
3	4	Stud, rotorcase retention	9630052265
4	4	Nut, rotorcase retention	9630024053
4a	4	Washer, rotorcase retention	9630024236
5	1	Cover, gearcase	9630070364
6	6	Screw, gearcase cover	9630024635
7	1	Lip seal, rear	9630032809
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630033702
set			
8a	2	Shim retainer	9630089543
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 2" (50mm) connections DIN11851, SX4/046	9630102177
	1	Rotorcase, 2" (50mm) connections ISS/IDF, SX4/046	9630102178
	1	Rotorcase, 2" (50mm) connections RJT, SX4/046	9630102179
	1	Rotorcase, 2" (50mm) connections SMS, SX4/046	9630102181
	1	Rotorcase, 2" (50mm) connections Tri-clamp, SX4/046	9630102182
	1	Rotorcase, 2.1/2" (65mm) connections DIN11851, SX4/063	9630102183
	1	Rotorcase, 2.1/2" (65mm) connections ISS/IDF, SX4/063	9630102184
	1	Rotorcase, 2.1/2" (65mm) connections RJT, SX4/063	9630102185
	1	Rotorcase, 2.1/2" (65mm) connections SMS, SX4/063	9630102186
	1	Rotorcase, 2.1/2" (65mm) connections Tri-clamp, SX4/063	9630102187
10	8	Stud, rotorcase/cover retention	9630019863
11	1	Compression joint, FPM	9630070399
	1	Compression joint, Silicone	9630070400
	1	Compression joint, EPDM	9630070401
12	1	Cover, rotorcase	9630070403
13	8	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630070335
15	6	Screw, seal retainer	9630024635
16	2	Lip seal, front	9630032800
17	2	Rotor, Stainless Steel 5 bar 150°C, SX4/046	9630111763
	2	Rotor, Stainless Steel 15 bar 150°C, SX4/046	9630124836
	2	Rotor, Stainless Steel 5 bar 150°C, SX4/063	9630125362
	2	Rotor, Stainless Steel 10 bar 150°C, SX4/063	9630110663
20	2	Cup seal, rotor retainer, FPM	9630069423
	2	Cup seal, rotor retainer, Silicone	9630069422
	2	Cup seal, rotor retainer, EPDM	9630069421
22	2	Rotor retainer, SX4/046	9630070338
	2	Rotor retainer, SX4/063	9630070339
23	1	Key	9630023932
24	1	Shaft, drive	9630070376
25	1	Shaft, auxiliary	9630070374
26	4	Bearing, rear	9630029032
27	1	Spacer, shaft abutment	9630070443
28	2	Spacer, bearing rear	9630070381
29	2	Spacer, bearing front	9630027142
30	2	Nut, bearing rear	9630029138
31	4	Bearing, front	9630069300
34	2	Nut, bearing front	9630024100
36	2	Timing gear	9630069307
37	2	Torque locking assembly	9630024451
45	2	Drain plug	9630023546
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630018599
48	2	Plug	9630023548
49	4	Blanking plug	9630089949
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630074948
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070366
56	1	Foot, horizontal port	9630070368
58	2	Screw, foot	9630074775
60	1	Tool, rotor retainer	9630070769



Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630070601
2	2	Dowel	9630023461
3	4	Stud, rotorcase retention	9630052265
4	4	Nut, rotorcase retention	9630024053
4a	4	Washer, rotorcase retention	9630024236
5	1	Cover, gearcase	9630666640
6	5	Screw, gearcase cover	9630024635
7	1	Lip seal, rear	9630032810
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630033860
set			
8a	2	Shim retainer	9630089544
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 2.1/2" (65mm) connections DIN11851, SX5/082	9630102188
	1	Rotorcase, 2.1/2" (65mm) connections ISS/IDF, SX5/082	9630102189
	1	Rotorcase, 2.1/2" (65mm) connections RJT, SX5/082	9630102190
	1	Rotorcase, 2.1/2" (65mm) connections SMS, SX5/082	9630102191
	1	Rotorcase, 2.1/2" (65mm) connections Tri-clamp, SX5/082	9630102192
	1	Rotorcase, 3" (80mm) connections DIN11851, SX5/115	9630102193
	1	Rotorcase, 3" (80mm) connections ISS/IDF, SX5/115	9630102194
	1	Rotorcase, 3" (80mm) connections RJT, SX5/115	9630102195
	1	Rotorcase, 3" (80mm) connections SMS, SX5/115	9630102196
	1	Rotorcase, 3" (80mm) connections Tri-clamp, SX5/115	9630102124
10	8	Stud, rotorcase/cover retention	9630019863
11	1	Compression joint, FPM	9630071979
	1	Compression joint, Silicone	9630071980
	1	Compression joint, EPDM	9630071981
12	1	Cover, rotorcase	9630072005
13	8	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630026099
15	6	Screw, seal retainer	9630024635
16	2	Lip seal, front	9630032802
17	2	Rotor, Stainless Steel 15 bar 150°C, SX5/082	9630112549
	2	Rotor, Stainless Steel 10 bar 150°C, SX5/115	9630099553
20	2	Cup seal, rotor retainer, FPM	9630069432
	2	Cup seal, rotor retainer, Silicone	9630069431
	2	Cup seal, rotor retainer, EPDM	9630069426
22	2	Rotor retainer, SX5/082	9630073103
	2	Rotor retainer, SX5/115	9630073104
23	1	Key	9630023940
24	1	Shaft, drive	9630073081
25	1	Shaft, auxiliary	9630073080
26	4	Bearing, rear	9630029034
27	1	Spacer, shaft abutment	9630035209
28	2	Spacer, bearing drive end	9630031175
29	2	Spacer, bearing gland end	9630031133
30	2	Nut, bearing rear	9630024100
31	4	Bearing, front	9630029036
34	2	Nut, bearing front	9630029139
36	2	Timing gear	9630031162
37	2	Torque locking assembly	9630024455
45	7	Drain plug	9630023548
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630018599
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630666810
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070568
56	1	Foot, horizontal port	9630070567
58	4	Bolt, foot	9630038966
60	1	Tool, rotor retainer	9630070769



Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630070602
2	2	Dowel	9630023467
3	4	Stud, rotorcase retention	9630052267
4	4	Nut, rotorcase retention	9630024055
4A	4	Washer, rotorcase retention	9630024238
5	1	Cover, gearcase	9630666641
6	5	Screw, gearcase cover	9630024635
7	1	Lip seal, rear	9630032798
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630033391
set			
8a	2	Shim retainer	9630051782
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 3" (80mm) connections DIN11851, SX6/140	9630102197
	1	Rotorcase, 3" (80mm) connections ISS/IDF, SX6/140	9630102198
	1	Rotorcase, 3" (80mm) connections RJT, SX6/140	9630102199
	1	Rotorcase, 3" (80mm) connections SMS, SX6/140	9630102200
	1	Rotorcase, 3" (80mm) connections Tri-clamp (3.1), SX6/140	9630102201
	1	Rotorcase, 4" (100mm) connections DIN11851, SX6/190	9630102202
	1	Rotorcase, 4" (100mm) connections ISS/IDF, SX6/190	9630102203
	1	Rotorcase, 4" (100mm) connections RJT, SX6/190	9630102204
	1	Rotorcase, 4" (100mm) connections SMS, SX6/190	9630102205
	1	Rotorcase, 4" (100mm) connections Tri-clamp (3.1), SX6/190	9630102149
10	8	Stud, rotorcase/cover retention	9630030574
11	1	Compression joint, FPM	9630071982
	1	Compression joint, Silicone	9630071983
	1	Compression joint, EPDM	9630071984
12	1	Cover, rotorcase	9630072006
13	8	Dome nut, rotorcase cover	9630024088
14	2	Retainer, seal	9630026103
15	6	Screw, seal retainer	9630024635
16	2	Lip seal, front	9630032803
17	2	Rotor, Stainless Steel 15 bar 150°C, SX6/140	9630102913
	2	Rotor, Stainless Steel 10 bar 150°C, SX6/190	9630856717
19	2	Torque locking assembly	9630938853
20	2	Cup seal, rotor retainer, FPM	9630069861
	2	Cup seal, rotor retainer, Silicone	9630069862
	2	Cup seal, rotor retainer, EPDM	9630069858
22	2	Rotor retainer	9630073101
23	1	Key	9630023940
24	1	Shaft, drive, SX6/140	9630073057
	1	Shaft, drive, SX6/190	9630073058
25	1	Shaft, auxiliary, SX6/140	9630073056
	1	Shaft, auxiliary, SX6/190	9630073059
26	4	Bearing, rear	9630029036
27	1	Spacer, shaft abutment	9630034661
28	2	Spacer, bearing rear	9630031133
29	2	Spacer, bearing front	9630031135
30	2	Nut, bearing rear	9630029139
31	4	Bearing, front	9630029038
34	2	Nut, bearing front	9630029140
36	2	Timing gear	9630030718
37	2	Torque locking assembly	9630024455
45	1	Drain plug	9630023548
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630018599
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630666811
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070572
56	1	Foot, horizontal port	9630070571
58	4	Bolt, foot	9630038966
60	1	Tool, rotor retainer	9630070769
	1	Tool, rotor TLA clamp (not shown) complete:	9630087290
	1	Comprising of: Clamp ring	9630855562
	1	Comprising of: Clamp nut	9630855565



Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630070603
2	2	Dowel	9630023467
3	4	Stud, rotorcase retention	9630024029
4	4	Nut, rotorcase retention	9630024055
4a	4	Washer, rotorcase retention	9630024238
5	1	Cover, gearcase	9630668405
6	6	Screw, gearcase cover	9630024635
7	1	Lip seal, rear	9630054369
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630072392
set			
8a	2	Shim retainer	9630072385
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 4" (100mm) connections DIN11851, SX7/250	9630102206
	1	Rotorcase, 4" (100mm) connections ISS/IDF, SX7/250	9630102207
	1	Rotorcase, 4" (100mm) connections RJT, SX7/250	9630102208
	1	Rotorcase, 4" (100mm) connections SMS, SX7/250	9630102209
	1	Rotorcase, 4" (100mm) connections Tri-clamp, SX7/250	9630102150
	1	Rotorcase, 6" (150mm) connections DIN11851, SX 7/380	9630085942
	1	Rotorcase, 6" (150mm) connections Tri-clamp, SX 7/380	9630086312
10	8	Stud, rotorcase/cover retention	9630030574
11	1	Compression joint, FPM	9630071985
	1	Compression joint, Silicone	9630071986
	1	Compression joint, EPDM	9630071987
12	1	Cover, rotorcase	9630072007
13	8	Dome nut, rotorcase cover	9630024088
14	2	Retainer, seal	9630073028
15	6	Screw, seal retainer	9630060520
16	2	Lip seal, front	9630074130
17	2	Rotor, Stainless Steel 15 bar 150°C, SX7/250	9630126267
	2	Rotor, Stainless Steel 10 bar 150°C, SX5/380	9630102924
19	2	Torque locking assembly	9630938853
20	2	Cup seal, rotor retainer, FPM	9630069861
	2	Cup seal, rotor retainer, Silicone	9630069862
	2	Cup seal, rotor retainer, EPDM	9630069858
22	2	Rotor retainer	9630073101
23	1	Key	9630074134
24	1	Shaft, drive, SX7/250	9630073020
	1	Shaft, drive, SX7/380	9630073026
25	1	Shaft, auxiliary, SX7/250	9630073021
	1	Shaft, auxiliary, SX7/380	9630073027
26	4	Bearing, rear	9630029038
27	1	Spacer, shaft abutment	9630072526
28	2	Spacer, bearing rear	9630031135
29	2	Spacer, bearing front	9630072283
30	2	Nut, bearing rear	9630029140
31	4	Bearing, front	9630070846
34	2	Nut, bearing front	9630025231
36	2	Timing gear	9630071347
37	2	Torque locking assembly	9630025239
45	1	Drain plug	9630023548
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630018599
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630667511
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070576
56	1	Foot, horizontal port	9630070575
60	1	Tool, rotor retainer	9630070769
	1	Tool, rotor TLA clamp (not shown) complete:	9630087290
	1	Comprising of: Clamp ring	9630855562
	1	Comprising of: Clamp nut	9630855565

1.4



Each kit comprises of Compression Joint and Rotor Retainer Cup Seals for one pump.

Pos	Qty	Denomination	SX1 Item No.	SX2 Item No.
		Cover / Rotor Seal Kit, EPDM . . . . .	9630110858	9630110862
		Cover / Rotor Seal Kit, FPM . . . . .	9630110860	9630110865
		Cover / Rotor Seal Kit, Silicone . . . . .	9630110861	9630110866

Pos	Qty	Denomination	SX3 Item No.	SX4 Item No.
		Cover / Rotor Seal Kit, EPDM . . . . .	9630110867	9630110870
		Cover / Rotor Seal Kit, FPM . . . . .	9630110868	9630110871
		Cover / Rotor Seal Kit, Silicone . . . . .	9630110869	9630110872

Pos	Qty	Denomination	SX5 Item No.	SX6 Item No.
		Cover / Rotor Seal Kit, EPDM . . . . .	9630110873	9630110876
		Cover / Rotor Seal Kit, FPM . . . . .	9630110874	9630110877
		Cover / Rotor Seal Kit, Silicone . . . . .	9630110875	9630110878

Pos	Qty	Denomination	SX7 Item No.
		Cover / Rotor Seal Kit, EPDM . . . . .	9630110880
		Cover / Rotor Seal Kit, FPM . . . . .	9630110881
		Cover / Rotor Seal Kit, Silicone . . . . .	9630110882

Each kit comprises of 1 off Cover/Rotor Sealing Kit and 2 off complete Mechanical Seals for one pump.

1.4

Pos	Qty	Denomination	SX1 Item No.	SX2 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . . .	9630950859	9630881846
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . . .	9630950860	9630881740
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . . .	9630950861	9630950885
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630950862	9630924087
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . . .	9630950863	9630950886
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . . .	9630950864	9630950887
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630857178	9630857179
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630880606	9630879061
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630950766	9630925619

Pos	Qty	Denomination	SX3 Item No.	SX4 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel/EPDM . . . .	9630950934	
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel/FPM . . . . .	9630950908	9630950935
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel/Silicone . . . .	9630950909	9630950936
		Rotary Seal /Static Seal Ring, Carbon/Silicon Carbide/EPDM . . . .	9630950910	9630950937
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide/FPM . . . . .	9630950911	9630950938
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide/Silicone . . . .	9630950912	9630950939
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide/EPDM . . . . .	9630857180	9630857181
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide/FPM	9630879729	9630866094
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide/Silicone . . . . .	9630939242	9630919921

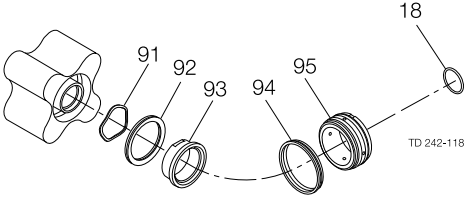
Pos	Qty	Denomination	SX5 Item No.	SX6 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . . .	9630950960	9630950981
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . . .	9630950961	9630950982
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . . .	9630950962	9630950983
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630950963	9630950984
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . . .	9630950964	9630950985
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . . .	9630944094	9630950986
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630857182	9630857183
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630881870	9630866095
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630923899	9630950767

Pos	Qty	Denomination	SX7 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . . .	9630918289
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . . .	9630951004
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . . .	9630951005
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630942323
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . . .	9630951006
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . . .	9630951007
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630857184
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630879211
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630941206

Note: Q-Doc certification is standard with SX Service Kits



1.4



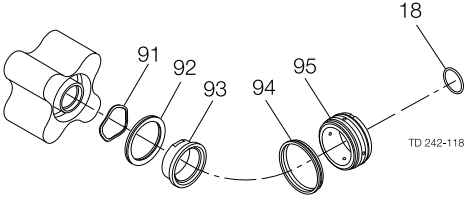
2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

Pos	Qty	Denomination	SX1 Item No.	SX2 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . .	9630088478	9630085768
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . .	9630088480	9630088486
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . .	9630092185	9630857713
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630088482	9630088232
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . .	9630088481	9630088487
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . .	9630856690	9630856691
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630088483	9630088489
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630088485	9630088488
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630857712	9630857714

Pos	Qty	Denomination	SX3 Item No.	SX4 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . .	9630088490	9630088493
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . .	9630088491	9630088494
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . .	9630858769	9630099149
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630088400	9630088496
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . .	9630088492	9630088495
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . .	9630856692	9630856694
		Rotary Seal Stationary Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630088209	9630088497
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630088125	9630076413
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630858778	9630856568

Pos	Qty	Denomination	SX5 Item No.	SX6 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . .	9630086706	9630088501
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . .	9630086933	9630088502
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . .	9630858783	9630858785
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630088498	9630088503
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . .	9630088499	9630088504
		Rotary Seal/Static Seal Ring, Carbon Silicon Carbide, Silicone . . .	9630856695	9630856696
		Rotary Seal/Static Seal Ring, Silicon Carbide /Silicon Carbide, EPDM . . . . .	9630087237	9630088506
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630088500	9630088505
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630858784	9630858786

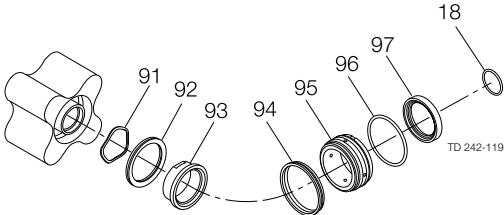
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Pos	Qty	Denomination	SX7 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . .	9630088507
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . .	9630088508
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . .	
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630088509
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . .	9630088510
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . .	9630856697
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630088512
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630088511
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630101627

Note: Q-Doc certification needs to be requested by order for mechanical seals

1.4

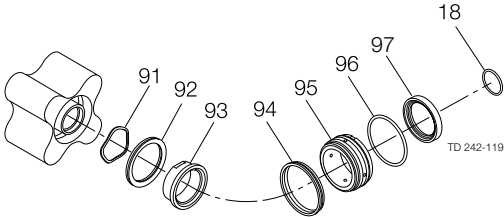




2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

Pos	Qty	Denomination	SX1 Item No.	SX2 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . .	9630881788	9630094760
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . .	9630941616	9630092887
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . .	9630941617	9630864177
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630941621	9630094176
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . .	9630941623	9630089032
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . .	9630941622	9630941624
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630125198	9630111133
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630112575	9630102419
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630941613	9630941614
Pos	Qty	Denomination	SX3 Item No.	SX4 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . .	9630881530	9630101974
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . .	9630941619	9630938195
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . .	9630941618	9630941620
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630090140	9630941626
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . .	9630856569	9630856570
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . .	9630941625	9630941627
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630088892	9630113647
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630127023	9630113652
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	9630924902	9630941615
Pos	Qty	Denomination	SX5 Item No.	SX6 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . .		9630125302
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . .		
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . .		
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .		
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . .	9630099041	9630105248
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . .		
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630099410	9630859074
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630099042	9630859075
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .		

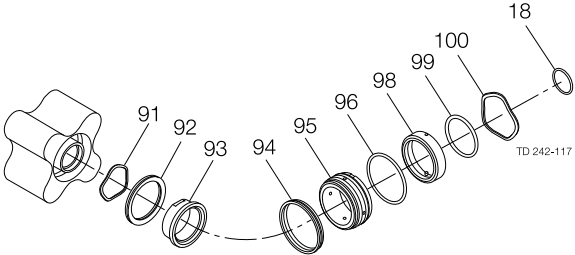
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Pos	Qty	Denomination	SX7 Item No.
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, EPDM . . .	9630125304
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, FPM . . . .	
		Rotary Seal/Static Seal Ring, Carbon/Stainless Steel, Silicone . . .	
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, EPDM . . . .	9630126181
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, FPM . . . .	9630095965
		Rotary Seal/Static Seal Ring, Carbon/Silicon Carbide, Silicone . . .	
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM . . . . .	9630881905
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM . . . . .	9630096367
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone . . . . .	

Note 1: Q-Doc certification needs to be requested by order for mechanical seals  
 Note 2: SX5-7 Flushed Seals discontinued for new pump sales 2011

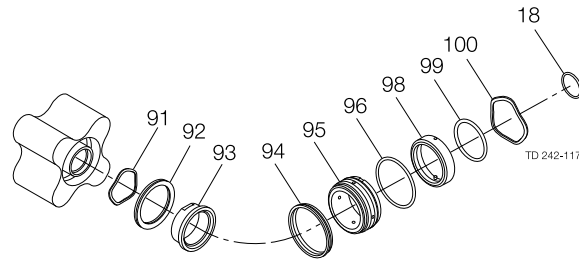
1.4



2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.  
 The squad ring is replaced by a conventional O-ring if the pressure between the seal flush media and pump head discharge pressure is likely to exceed 5 bar.

Pos	Qty	Denomination	< 5 bar SX1 Item No.	> 5 bar SX1 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal /Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630920070	9630950728
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .	9630950724	9630941345
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .	9630950725	9630950729
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630092953	9630950730
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630950726	9630939858
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, MVQ . . . . .	9630950727	9630950731

Pos	Qty	Denomination	< 5 bar SX2 Item No.	> 5 bar SX2 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630089284	
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630113523	
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630126960	
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630099040	9630919601
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .	9630920102	9630950734
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .	9630950732	9630950735
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630864558	9630950736
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630864012	9630929117
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630950733	9630950737



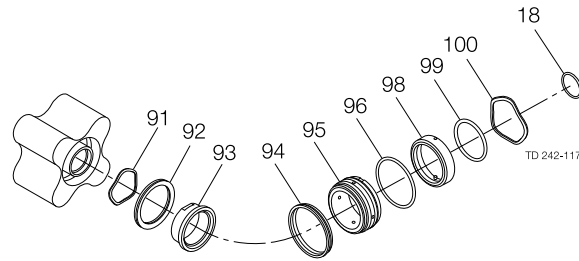
2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.  
 The squad ring is replaced by a conventional 'o' ring if the pressure between the seal flush media and pump head discharge pressure is likely to exceed 5 bar.

Pos	Qty	Denomination	< 5 bar SX3 Item No.	> 5 bar SX3 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630086974	9630878666
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon /Stainless Steel, EPDM . . . . .	9630087910	9630950740
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630932826	9630950738
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630112225	9630950741
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630863999	9630938517
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630932856	9630950742

Note: Q-Doc certification needs to be requested by order for mechanical seals

Pos	Qty	Denomination	< 5 bar SX4 Item No.	> 5 bar SX4 Item No.
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630085932	9630085933
		Rotary Seal /Stationary Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .		
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .		
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .		
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .		
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630113572	9630104481
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .	9630855583	9630950745
		Rotary Seal/Stationary Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .	9630932827	9630950743
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630087511	9630092624
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630919138	9630855585
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630932857	9630950744

1.4





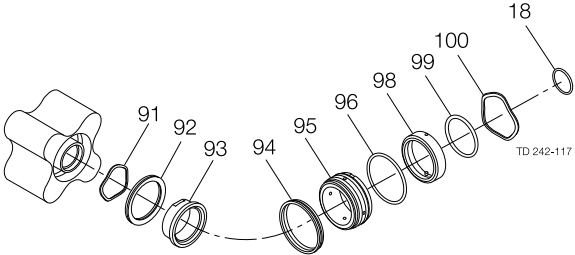
2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.  
 The squad ring is replaced by a conventional 'o' ring if the pressure between the seal flush media and pump head discharge pressure is likely to exceed 5 bar.

Pos	Qty	Denomination	< 5 bar	> 5 bar
			SX5 Item No.	SX5 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .		9630944085
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630950746	9630935628
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630856012	9630941115
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630950747	9630950748
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630921032	9630921033
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630950749	9630942465
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630950750	9630950751

Pos	Qty	Denomination	< 5 bar	> 5 bar
			SX6 Item No.	SX6 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630125328	9630125331
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630864049	9630943670
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630950753	9630950754
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630950755	9630950756
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630095935	9630938776
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630861723	9630950752
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630950757	9630950758

Note: Q-Doc certification needs to be requested by order for mechanical seals

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Pos	Qty	Denomination	< 5 bar SX7 Item No.	> 5 bar SX7 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630125329	9630125330
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .		
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630929982	9630950760
		Rotary Seal /Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .	9630950759	9630932745
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .	9630950762	9630950763
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630090029	9630950761
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630934151	9630936885
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630950764	9630950765

Note: Q-Doc certification needs to be requested by order for mechanical seals

Pos	Qty	Denomination	SX1 Item No.	SX2 Item No.
<b>Parts for single R00 seals</b>				
18	2	O-Ring, rotor sealing shaft end, EPDM	9630127026	9630854853
	2	O-Ring, rotor sealing shaft end, FPM	9630022907	9630035241
	2	O-Ring, rotor sealing shaft end, Silicone	9630070311	9630126677
92	2	Squad Ring, EPDM	9630069434	9630069435
	2	Squad Ring, FPM	9630069440	9630069654
	2	Squad Ring, Silicone	9630069437	9630069438
93	2	Rotary Seal Ring, Carbon	9630075409	9630075423
	2	Rotary Seal Ring, Silicon Carbide	9630069795	9630069796
94	2	Cup Seal, EPDM	9630069424	9630069425
	2	Cup Seal, FPM	9630069429	9630069430
	2	Cup Seal, Silicone	9630069427	9630069428
95	2	Static Seal Ring, Stainless Steel	9630075411	9630075424
	2	Static Seal Ring, Silicon Carbide	9630069809	9630069810
<b>Additional parts to convert above R00 single seals to single flushed seals</b>				
95* note1	2	Static Seal Ring, Stainless Steel	9630075645	9630075646
	2	Static Seal Ring, Silicon Carbide	9630069802	9630069803
96	2	Static Seal Ring O-Ring, EPDM	9630127024	9630854460
	2	Static Seal Ring O-Ring, FPM	9630941125	9630023418
	2	Static Seal Ring O-Ring, Silicone	9630043327	9630074739
97	2	Lip Seal, FPM	9630075620	9630075621
Note 1: 95* replaces 95 above.				
Note 2: To convert to single flush seal also requires drg item no. 59 (elbow).				
<b>Additional parts to convert above R00 single seals to double flushed seals</b>				
92*note 2	2	Rotary Seal Ring O-Ring, EPDM	9630071261	9630074754
	2	Rotary Seal Ring O-Ring, FPM	9630071246	9630074750
	2	Rotary Seal Ring O-Ring, Silicone	9630071260	9630074752
95*note 1	2	Static Seal Ring, Sil.Car (inboard) /St.Stl (outboard)	9630069817	9630069820
	2	Static Seal Ring, Sil.Car (inboard) /Sil.Car (outboard)	9630069816	9630069819
96	2	Static Seal Ring O-Ring, EPDM	9630127024	9630854460
	2	Static Seal Ring O-Ring, FPM	9630941125	9630023418
	2	Static Seal Ring O-Ring, Silicone	9630043327	9630074739
98	2	Rotary Seal Ring (outboard), Carbon	9630069832	9630069833
99	2	Rotary Seal Ring O-Ring, EPDM	9630127025	9630071238
	2	Rotary Seal Ring O-Ring, FPM	9630111351	9630071237
	2	Rotary Seal Ring O-Ring, MVQ	9630074749	9630071259
Note 1: 95* replaces 95 above.				
Note 2: The squad ring is replaced by a conventional O-ring if the pressure difference between the seal flush media and pump head discharge pressure is likely to exceed 5 bar (ie 92* replaces 92 above).				
Note 3: To convert to double seal also requires drg item no. 59 (elbow).				
<b>Wave springs supplied with drg no. 93 and 98 rotary seal rings:</b>				
91	2	Wave Spring	9630075413	9630075425
100	2	Wave Spring	9630075414	9630075426

Pos	Qty	Denomination	SX3 Item No	SX4 Item No
<b>Parts for single R00 seals</b>				
18	2	O-Ring, rotor sealing shaft end, EPDM	9630854463	9630854854
	2	O-Ring, rotor sealing shaft end, FPM	9630865836	9630070327
	2	O-Ring, rotor sealing shaft end, Silicone	9630124023	9630105358
92	2	Squad Ring, EPDM	9630069433	9630069436
	2	Squad Ring, FPM	9630069442	9630069444
	2	Squad Ring, Silicone	9630069439	9630069443
93	2	Rotary Seal Ring, Carbon	9630075427	9630075431
	2	Rotary Seal Ring, Silicon Carbide	9630069797	9630069798
94	2	Cup Seal, EPDM	9630069421	9630069426
	2	Cup Seal, FPM	9630069423	9630069432
	2	Cup Seal, Silicone	9630069422	9630069431
95	2	Static Seal Ring, Stainless Steel	9630075428	9630075432
	2	Static Seal Ring, Silicon Carbide	9630069811	9630069812

**Additional parts to convert above R00 single seals to single flushed seals**

95*note	2	Static Seal Ring, Stainless Steel	9630075647	9630075648
	2	Static Seal Ring, Silicon Carbide	9630069804	9630069805
96	2	Static Seal Ring O-Ring, EPDM	9630043509	9630038946
	2	Static Seal Ring O-Ring, FPM	9630865837	9630038945
	2	Static Seal Ring O-Ring, Silicone	9630858819	9630071262
97	2	Lip Seal, FPM	9630075622	9630075623

Note 1: 95\* replaces 95 above.

Note 2: To convert to single flush seal also requires drg item no.59 (elbow).

**Additional parts to convert above R00 single seals to double flushed seals**

92*note	2	Rotary Seal Ring O-Ring, EPDM	9630854467	9630929689
	2	Rotary Seal Ring O-Ring, FPM	9630941109	9630932210
	2	Rotary Seal Ring O-Ring, Silicone	9630074753	9630074760
95*note	2	Static Seal Ring, Sil.Car (inboard) / Sil.Car (outboard)	9630069822	9630069825
	2	Static Seal Ring, Sil.Car (inboard) / Sil.Car (outboard)	9630069821	9630069823
96	2	Static Seal Ring O-Ring, EPDM	9630854855	9630038946
	2	Static Seal Ring O-Ring, FPM	9630865837	9630038945
	2	Static Seal Ring O-Ring, Silicone	9630858819	9630071262
98	2	Rotary Seal Ring (outboard), Carbon	9630069834	9630069835
99	2	Rotary Seal Ring O-Ring, EPDM	9630071245	9630071265
	2	Rotary Seal Ring O-Ring, FPM	9630024187	9630071264
	2	Rotary Seal Ring O-Ring, Silicone	9630071239	9630071263

Note 1: 95\* replaces 95 above.

Note 2: The squad ring is replaced by a conventional O-ring if the pressure difference between the seal flush media and pump head discharge pressure is likely to exceed 5 bar (ie 92\* replaces 92 above).

Note 3: To convert to double seal also requires drg item no. 59 (elbow).

**Wave springs supplied with drg no. 93 and 98 rotary seal rings:**

91	2	Wave Spring	9630075429	9630075433
100	2	Wave Spring	9630075430	9630075434

1.4

Pos	Qty	Denomination	SX5 Item No	SX6 Item No
<b>Parts for single R00 seals</b>				
18	2	O-Ring, rotor sealing shaft end, EPDM	9630854855	9630854891
	2	O-Ring, rotor sealing shaft end, FPM	9630865837	9630111352
	2	O-Ring, rotor sealing shaft end, Silicone	9630858819	9630105357
92	2	Squad Ring, EPDM	9630069867	9630069870
	2	Squad Ring, FPM	9630069868	9630069872
	2	Squad Ring, Silicone	9630069869	9630069873
93	2	Rotary Seal Ring, Carbon	9630075435	9630075439
	2	Rotary Seal Ring, Silicon Carbide	9630069799	9630069800
94	2	Cup Seal, EPDM	9630069858	9630069859
	2	Cup Seal, FPM	9630069861	9630069863
	2	Cup Seal, Silicone	9630069862	9630069864
95	2	Static Seal Ring, Stainless Steel	9630075436	9630075440
	2	Static Seal Ring, Silicon Carbide	9630069813	9630069814

**Additional parts to convert above R00 single seals to double flushed seals**

92*note 2	2	Rotary Seal Ring O-Ring, EPDM	9630854475	9630854489
	2	Rotary Seal Ring O-Ring, FPM	9630063121	9630941121
	2	Rotary Seal Ring O-Ring, Silicone	9630074762	9630074764
95*note 1	2	Static Seal Ring, Sil.Car (inboard) /St.Stl (outboard)	9630069827	9630069829
	2	Static Seal Ring, Sil.Car (inboard) /Sil.Car (outboard)	9630069826	9630069828
96	2	Static Seal Ring O-Ring, EPDM	9630941114	9630111355
	2	Static Seal Ring O-Ring, FPM	9630063125	9630111354
	2	Static Seal Ring O-Ring, Silicone	9630042618	9630074740
98	2	Rotary Seal Ring (outboard), Carbon	9630069836	9630069837
99	2	Rotary Seal Ring O-Ring, EPDM	9630941680	9630941114
	2	Rotary Seal Ring O-Ring, FPM	9630023448	9630063125
	2	Rotary Seal Ring O-Ring, Silicone	9630074742	9630042618

Note 1: 95\* replaces 95 above.

Note 2: The squad ring is replaced by a conventional O-ring if the pressure difference between the seal flush media and pump head discharge pressure is likely to exceed 8 bar (ie 92\* replaces 92 above).

Note 3: To convert to double seal also requires drg item no.18 (O-ring) and 59 (elbow).

**Wave springs supplied with drg no. 93 and 98 rotary seal rings:**

91	2	Wave Spring	9630075437	9630075441
100	2	Wave Spring	9630075438	9630075442

Note: Q-Doc certification needs to be requested by order for mechanical seal parts

Pos	Qty	Denomination	SX7 Item No
<b>Parts for single R00 seals</b>			
18	2	O-Ring, rotor sealing shaft end, EPDM	9630854473
	2	O-Ring, rotor sealing shaft end, FPM	9630941123
	2	O-Ring, rotor sealing shaft end, Silicone	9630124024
92	2	Squad Ring, EPDM	9630069871
	2	Squad Ring, FPM	9630069875
	2	Squad Ring, Silicone	9630069874
93	2	Rotary Seal Ring, Carbon	9630075446
	2	Rotary Seal Ring, Silicon Carbide	9630069801
94	2	Cup Seal, EPDM	9630069860
	2	Cup Seal, FPM	9630069865
	2	Cup Seal, Silicone	9630069866
95	2	Static Seal Ring, Stainless Steel	9630075447
	2	Static Seal Ring, Silicon Carbide	9630069815

**Additional parts to convert above R00 single seals to double flushed seals**

92*note	2	Rotary Seal Ring, O-Ring, EPDM	9630929690
2	2	Rotary Seal Ring, O-Ring, FPM	9630074759
	2	Rotary Seal Ring, O-Ring, Silicone	9630074765
95*note	2	Static Seal Ring, Sil.Car (inboard) /St.Stl (outboard)	9630069831
1	2	Static Seal Ring, Sil.Car (inboard) /Sil.Car (outboard)	9630069830
96	2	Static Seal Ring, O-Ring, EPDM	9630857065
	2	Static Seal Ring, O-Ring, FPM	9630037183
	2	Static Seal Ring, O-Ring, Silicone	9630043332
98	2	Rotary Seal Ring (outboard), Carbon	9630069538
99	2	Rotary Seal Ring O-Ring, EPDM	9630854451
	2	Rotary Seal Ring O-Ring, FPM	9630941124
	2	Rotary Seal Ring O-Ring, Silicone	9630074743

Note 1: 95\* replaces 95 above.

Note 2: The squad ring is replaced by a conventional O-ring if the pressure difference between the seal flush media and pump head discharge pressure is likely to exceed 8 bar (ie 92\* replaces 92 above).

Note 3: To convert to double seal also requires drg item no.18 and 59.

**Wave springs supplied with drg no. 93 and 98 rotary seal rings:**

91	2	Wave Spring	9630075444
100	2	Wave Spring	9630075445

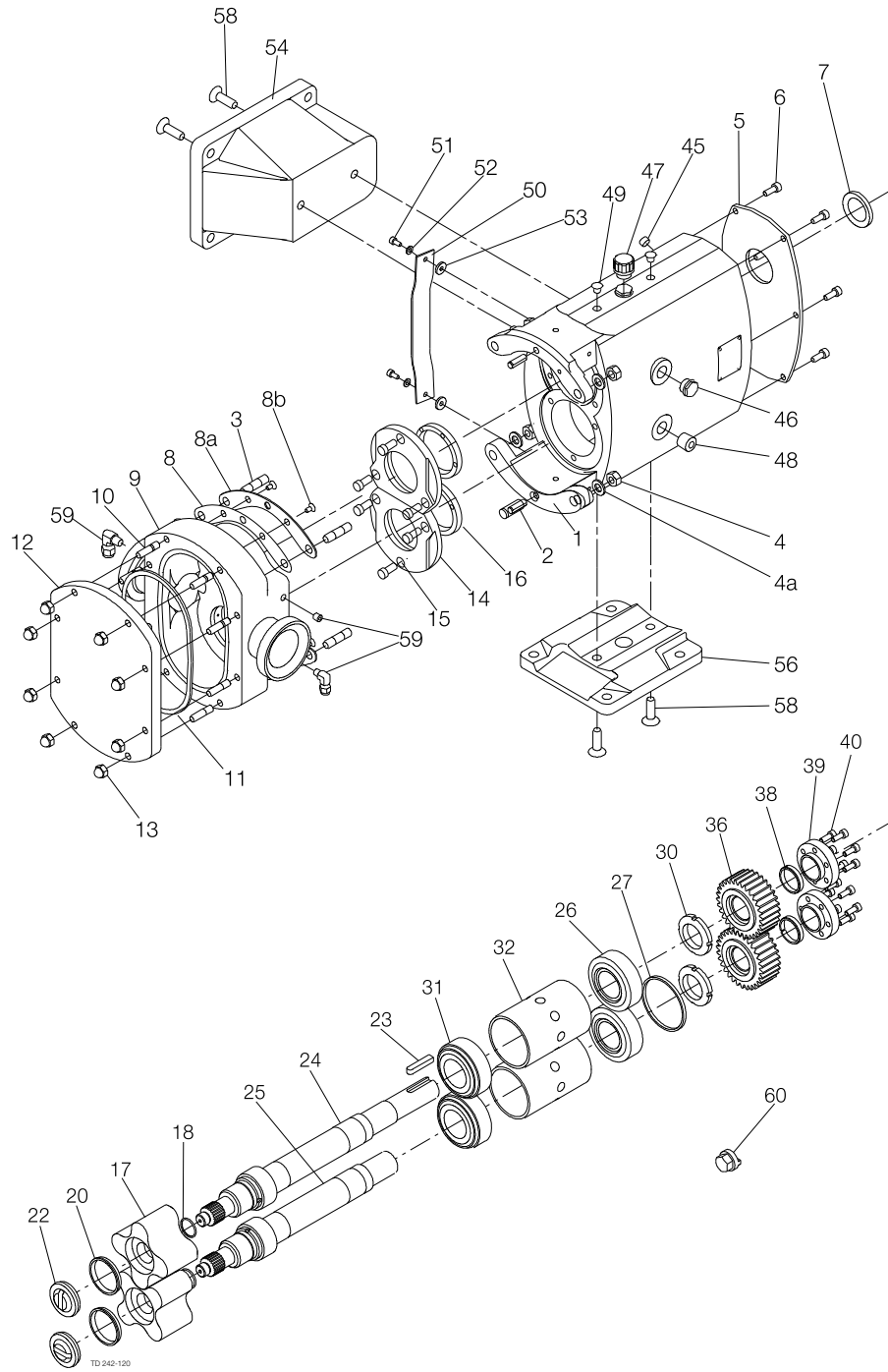
Note: Q-Doc certification needs to be requested by order for mechanical seal parts

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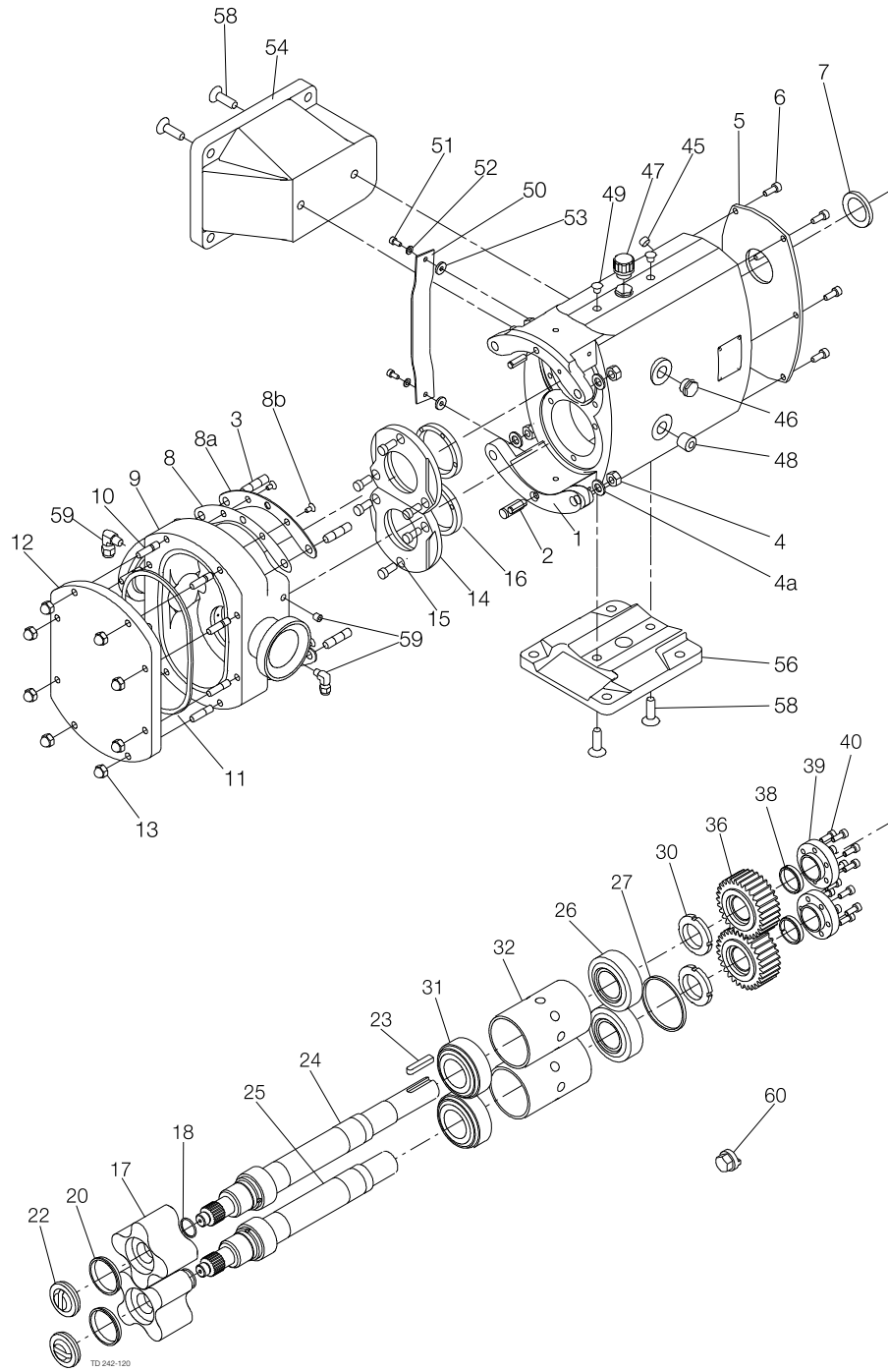
Pos	Qty	Denomination	Item No.	
8	1	Shim - stainless steel, SX1	9630034304	
	set			
	1	Shim - stainless steel, SX2	9630034201	
	set			
	1	Shim - stainless steel, SX3	9630034030	
	set			
	1	Shim - stainless steel, SX4	9630033704	
	set			
	1	Shim - stainless steel, SX5	9630033411	
	set			
	1	Shim - stainless steel, SX6	9630033392	
	set			
	1	Shim - stainless steel, SX7	tba	tba
	set			
46	1	Sight glass	9630855435	
47	1	Filler plug	9630105171	
50	2	Gland guard, SX1	9630111575	
	2	Gland guard, SX2	9630111576	
	2	Gland guard, SX3	9630111577	
	2	Gland guard, SX4	9630111562	
	2	Gland guard, SX5	9630111644	
	2	Gland guard, SX6	9630111645	
	2	Gland guard, SX7	9630111646	
95	1	Stationary seal ring with thermocouple SX1	tba	tba
	1	Stationary seal ring with thermocouple SX2	tba	tba
	1	Stationary seal ring with thermocouple SX3	9630863493	
	1	Stationary seal ring with thermocouple SX4	tba	tba
	1	Stationary seal ring with thermocouple SX5	tba	tba
	1	Stationary seal ring with thermocouple SX6	tba	tba
	1	Stationary seal ring with thermocouple SX7	tba	tba
101	1	Hermocouple clamp plate SX1	tba	tba
	1	Hermocouple clamp plate SX2	tba	tba
	1	Hermocouple clamp plate SX3	9630921042	
	1	Hermocouple clamp plate SX4	tba	tba
	1	Hermocouple clamp plate SX5	tba	tba
	1	Hermocouple clamp plate SX6	tba	tba
	1	Hermocouple clamp plate SX7	tba	tba
102	2	Screw, thermocouple clamp plate SX1	tba	tba
	2	Screw, thermocouple clamp plate SX2-3	9630021076	
	2	Screw, thermocouple clamp plate SX4-7	tba	tba
103	1	Plastic bush SX1-7	9630855571	
104	1	Screw, bush locking SX1-7	9630863216	
	1	Stud, earthing, SX1	9630105360	
	1	Stud, earthing, SX2-4	9630105362	
	1	Stud, earthing, SX5-7	9630105360	
	2	Nut, earthing stud	9630024057	
	2	Washer, lock	9630105264	
	1	Earth bonding cable	9630105267	
	2	Terminal copper tube	9630105435	
	1	Earth bonding tag	9630105614	



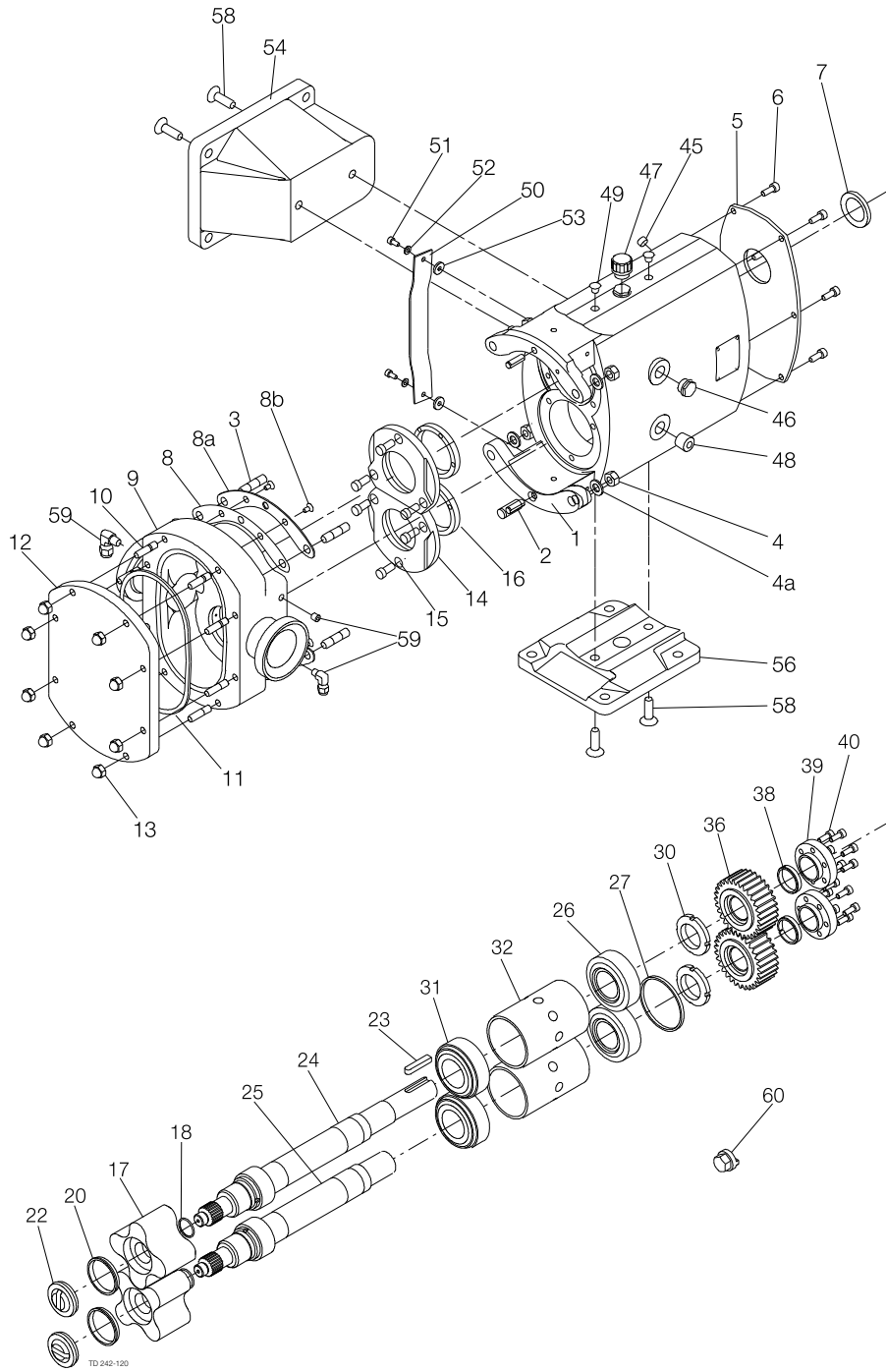




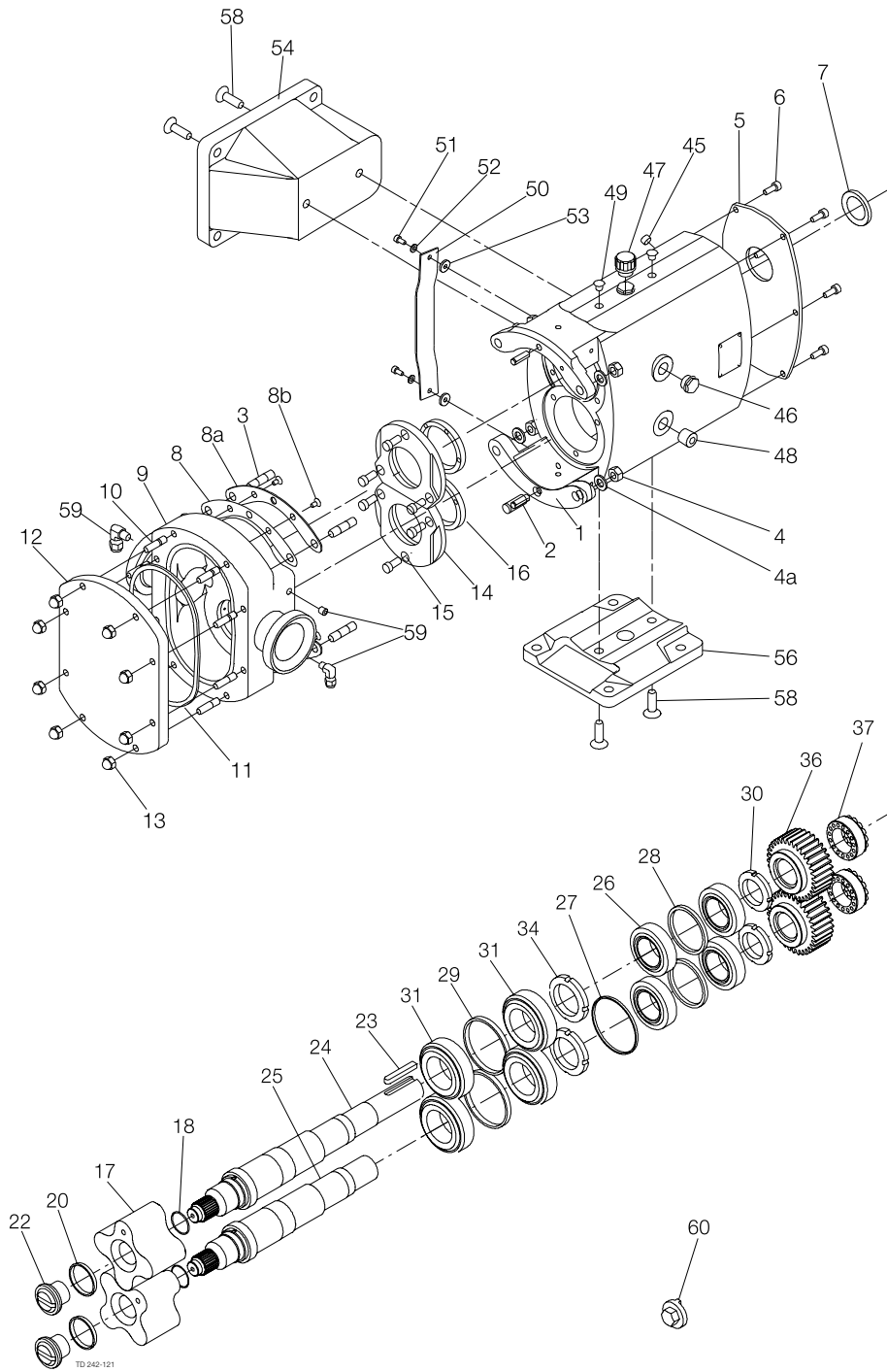
Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630650041
2	2	Dowel	9630998448
3	4	Stud, rotorcase retention & cover retention, SX UP1/005	9630074135
	4	Stud, rotorcase retention, SX UP 1/007	9630052259
4	4	Nut, rotorcase retention	9630024057
4a	4	Washer, rotorcase retention	9630024231
5	1	Cover gearcase	9630863237
6	6	Screw gearcase cover	9630030332
7	1	Lip seal, rear	9630032806
8	1	Shim - standard, (for ATEX pump see 'ATEX Parts') Polymex	9630034305
set			
8a	2	Shim retainer	9630050684
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 1" (25mm) connections DIN11851, SX UP1/005	9630102095
	1	Rotorcase, 1" (25mm) connections SMS, SX UP1/005	9630102093
	1	Rotorcase, 1" (25mm) connections Tri-clamp, SSX UP1/005	9630102092
	1	Rotorcase, 1" (25mm) connections - Electropolished Tri-clamp, SX UP1/005	9630857386
	1	Rotorcase, 1.1/2" (40mm) connections DIN11851, SX UP1/007	9630102116
	1	Rotorcase, 1.1/2" (40mm) connections SMS, SX UP1/007	9630102114
	1	Rotorcase, 1.1/2" (40mm) connections Tri-clamp SX UP1/007	9630102112
	1	Rotorcase, 1.1/2" (40mm) connections - Electropolished Tri-clamp, SX UP1/007	9630124737
10	4	Stud, rotorcase/cover retention, SX UP1/007	9630052259
11	1	Compression joint, USP Class VI FPM	9630070718
	1	Compression joint, USP Class VI Silicone	9630070719
	1	Compression joint, USP Class VI, EPDM	9630070720
12	1	Cover, rotorcase	9630070814
	1	Cover, rotorcase - Electropolished	9630124854
13	4	Dome nut, rotorcase cover	9630024095
14	2	Retainer, seal	9630863330
15	6	Screw, seal retainer	9630030332
16	2	Lip seal, gland end	9630072343
17	2	Rotor, Stainless Steel, 6 bar 150°C, SX UP1/005	9630111925
	2	Rotor, Stainless Steel, 12 bar 150°C, SX UP1/007	9630112717
	2	Rotor, Stainless Steel, 7 bar 150°C, SX UP1/007	9630126009
	2	Rotor, Stainless Steel - Electropolished, 6 bar 150°C, SX UP1/005	9630857269
	2	Rotor, Stainless Steel - Electropolished, 12 bar 150°C, SX UP1/007	9630857270
	2	Rotor, Stainless Steel - Electropolished, 7 bar 150°C, SX UP1/007	9630857261
20	2	Cup seal, rotor retainer, USP Class VI, FPM	9630070696
	2	Cup seal, rotor retainer, USP Class VI, Silicone	9630070698
	2	Cup seal, rotor retainer, USP Class VI, EPDM	9630070697
22	2	Rotor retainer	9630070730
	2	Rotor retainer, Electropolished	9630857306
23	1	Key	9630031498
24	1	Shaft, drive, SX UP1/005	9630070799
	1	Shaft, drive, SX UP1/007	9630070800
25	1	Shaft, auxiliary, SX UP1/005	9630070798
	1	Shaft, auxiliary, SX UP1/007	9630070801
26	2	Bearing, rear	9630029026
27	1	Spacer, shaft abutment	9630032664
30	2	Nut, bearing	9630029135
31	2	Bearing, front	9630029026
32	2	Spacer, bearing	9630033403
36	2	Timing gear	9630069308
38	2	Torque locking element	9630025151
39	2	Clamp plate	9630031371
40	12	Screw, clamp plate	9630030096
45	2	Drain plug	9630024417
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630651688
48	2	Plug	9630104561
49	4	Blanking plug	9630089950
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630111575
51	4	Screw, gland guard	9630050533
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630651709
56	1	Foot, horizontal port	9630070561
58	2	Screw, foot	9630074795
60	1	Tool, rotor retainer	9630070709



Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630650042
2	2	Dowel	9630998448
3	4	Stud, rotorcase retention	9630052261
4	4	Nut, rotorcase retention	9630024051
4a	4	Washer, rotorcase retention	9630024233
5	1	Cover gearcase	9630862407
6	6	Screw, gearcase cover	9630030332
7	1	Lip seal, rear	9630032807
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630034199
set			
8a	2	Shim retainer	9630089541
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 1.1/2" (40mm) DIN11851, SX UP2/013	9630102158
	1	Rotorcase, 1.1/2" (40mm) connections SMS, SX UP2/013	9630102161
	1	Rotorcase, 1.1/2" (40mm) connections Tri-clamp, SX UP2/013	9630102119
	1	Rotorcase, 1.1/2" (40mm) connections - Electropolished Tri-clamp, SX UP2/013	9630124208
	1	Rotorcase, 2" (50mm) connections DIN11851, SX UP2/018	9630102162
	1	Rotorcase, 2" (50mm) connections SMS, SX UP2/018	9630102165
	1	Rotorcase, 2" (50mm) connections Tri-clamp, SX UP2/018	9630102166
	1	Rotorcase, 2" (50mm) connections - Electropolished Tri-clamp, SX UP2/018	9630857387
10	4	Stud, rotorcase/cover retention	9630024086
11	1	Compression joint, USP Class VI, FPM	9630070193
	1	Compression joint, USP Class VI, Silicone	9630070194
	1	Compression joint, USP Class VI, EPDM	9630070195
12	1	Cover, rotorcase	9630069665
	1	Cover, rotorcase, Electropolished	9630124209
13	4	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630862405
15	6	Screw, seal retainer	9630021069
16	2	Lip seal, front	9630043050
17	2	Rotor, Stainless Steel, 5 bar 150°C, SX UP2/013	9630103470
	2	Rotor, Stainless Steel, 15 bar 150°C, SX UP2/013	9630105398
	2	Rotor, Stainless Steel, 7 bar 150°C, SX UP2/018	9630110785
	2	Rotor, Stainless Steel - Electropolished, 5 bar 150°C, SX UP2/013	9630856270
	2	Rotor, Stainless Steel - Electropolished, 15 bar 150°C, SX UP2/013	9630856271
	2	Rotor, Stainless Steel - Electropolished, 7 bar 150°C, SX UP2/018	9630857263
20	2	Cup seal, rotor retainer, USP Class VI, FPM	9630069429
	2	Cup seal, rotor retainer, USP Class VI, Silicone	9630069427
	2	Cup seal, rotor retainer, USP Class VI, EPDM	9630069424
22	2	Rotor retainer, SX UP2/013	9630069548
	2	Rotor retainer, SX UP2/018	9630070034
	2	Rotor retainer, Electropolished, SX UP2/013	9630124210
	2	Rotor retainer, Electropolished, SX UP2/018	9630857329
23	1	Key	9630023916
24	1	Shaft, drive	9630069668
25	1	Shaft, auxiliary	9630069666
26	2	Bearing, rear	9630069297
27	1	Spacer, shaft abutment	9630069959
30	2	Nut, bearing	9630029136
31	2	Bearing, front	9630069297
32	2	Spacer, bearing	9630069353
36	2	Timing gear	9630069305
38	2	Torque locking element	9630030115
39	2	Clamp plate	9630031407
40	12	Screw, clamp plate	9630024595
45	2	Drain plug	9630024417
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630651688
48	2	Plug	9630104561
49	4	Blanking plug	9630087278
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630111576
51	4	Screw, gland guard	9630050533
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630651710
56	1	Foot, horizontal port	9630069903
58	2	Screw, foot	9630074794
60	1	Tool, rotor retainer	9630070709



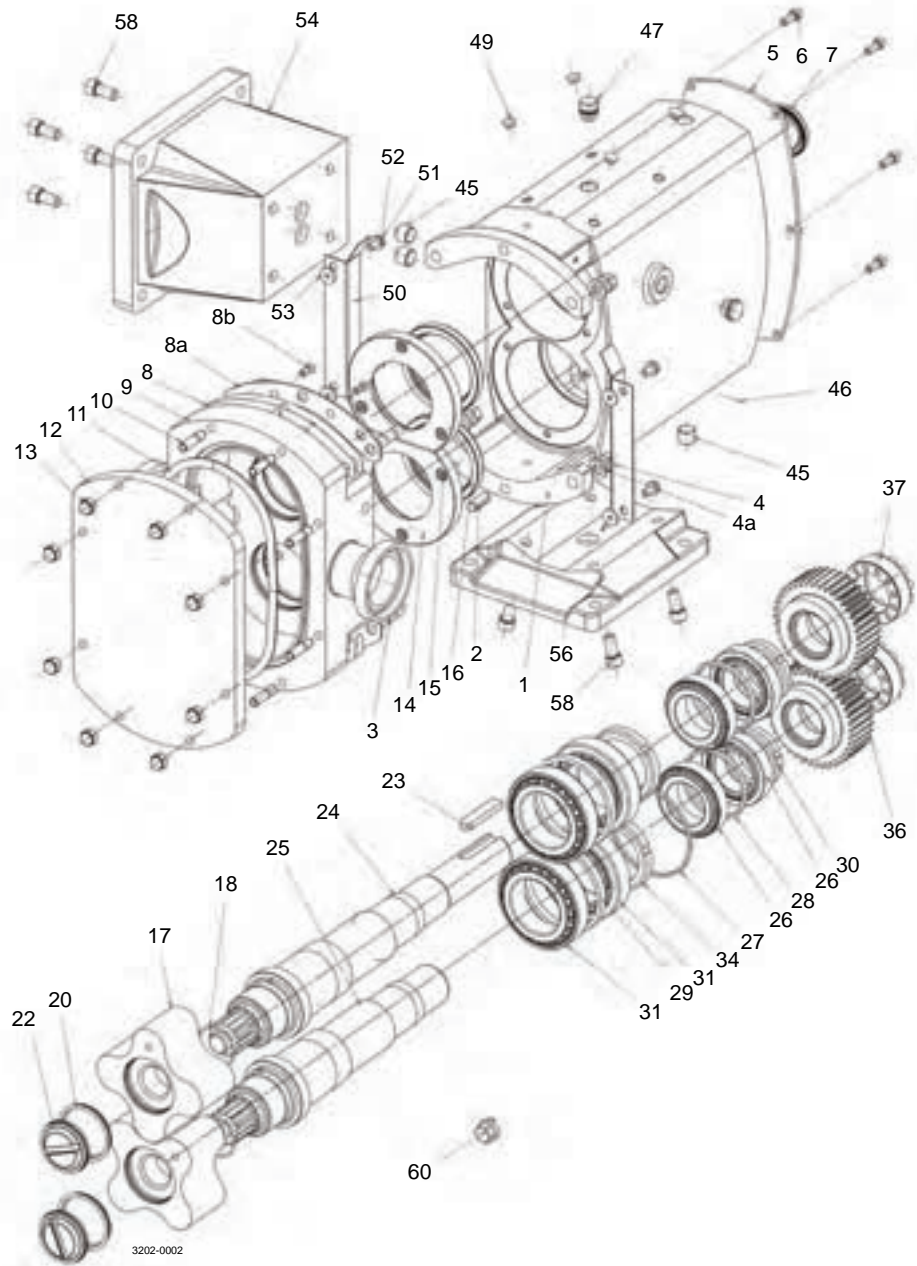
Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630997612
2	2	Dowel	9630998450
3	4	Stud, rotorcase retention	9630052263
4	4	Nut, rotorcase retention	9630024051
4A	4	Washer, rotorcase retention	9630024233
5	1	Cover, gearcase	9630863117
6	6	Screw, gearcase cover	9630021069
7	1	Lip seal, rear	9630032808
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630034130
set			
8A	2	Shim retainer	9630089542
8B	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 2" (50mm) connections DIN11851, SX UP3/027	9630102167
	1	Rotorcase, 2" (50mm) connections SMS, SX UP3/027	9630102170
	1	Rotorcase, 2" (50mm) connections Tri-clamp, SX UP3/027	9630102171
	1	Rotorcase, 2" (50mm) connections - Electropolished Tri-clamp, SX UP3/027	9630854248
	1	Rotorcase, 2.1/2" (65mm) connections DIN11851, SX UP3/035	9630102172
	1	Rotorcase, 2.1/2" (65mm) connections SMS, SX UP3/035	9630102175
	1	Rotorcase, 2.1/2" (65mm) connections Tri-clamp, SX UP3/035	9630102176
	1	Rotorcase, 2.1/2" (65mm) connections - Electropolished Tri-clamp, SX UP3/035	9630857388
10	8	Stud, rotorcase/cover retention	9630027490
11	1	Compression joint, USP Class VI, FPM	9630070679
	1	Compression joint, USP Class VI, Silicone	9630069223
	1	Compression joint, USP Class VI, EPDM	9630069395
12	1	Cover, rotorcase	9630069707
	1	Cover, rotorcase, Electropolished	9630854255
13	8	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630863116
15	6	Screw, seal retainer	9630021069
16	2	Lip seal, front	9630032798
17	2	Rotor, Stainless Steel 5 bar 150°C, SX UP3/027	9630124273
	2	Rotor, Stainless Steel 15 bar 150°C, SX UP3/027	9630102905
	2	Rotor, Stainless Steel 7 bar 150°C, SX UP3/035	9630113513
	2	Rotor, Stainless Steel - Electropolished 5 bar 150°C, SX UP3/027	9630126884
	2	Rotor, Stainless Steel - Electropolished 15 bar 150°C, SX UP3/027	9630855329
	2	Rotor, Stainless Steel - Electropolished 7 bar 150°C, SX UP3/035	9630857266
20	2	Cup seal, rotor retainer, USP Class VI, FPM	9630069430
	2	Cup seal, rotor retainer, USP Class VI, Silicone	9630069428
	2	Cup seal, rotor retainer, USP Class VI, EPDM	9630069425
22	2	Rotor retainer, SX UP3/027	9630069705
	2	Rotor retainer, SX UP3/035	9630070261
	2	Rotor retainer, Electropolished SX UP3/027	9630855861
	2	Rotor retainer, Electropolished SX UP3/035	9630857330
23	1	Key	9630031499
24	1	Shaft, drive	9630069745
25	1	Shaft, auxiliary	9630069743
26	2	Bearing, rear	9630029030
27	1	Spacer, shaft abutment	9630032683
30	2	Nut, bearing	9630029137
31	2	Bearing, front	9630029030
32	2	Spacer, bearing	9630029695
36	2	Timing gear	9630027688
38	4	Torque locking element	9630030273
39	2	Clamp plate	9630029175
40	12	Screw, clamp plate	9630024591
45	2	Drain plug	9630024417
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630651688
48	2	Plug	9630104561
49	4	Blanking plug	9630087278
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630111577
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630651711
56	1	Foot, horizontal port	9630070492
58	2	Screw, foot	9630074776
60	1	Tool, rotor retainer	9630070709



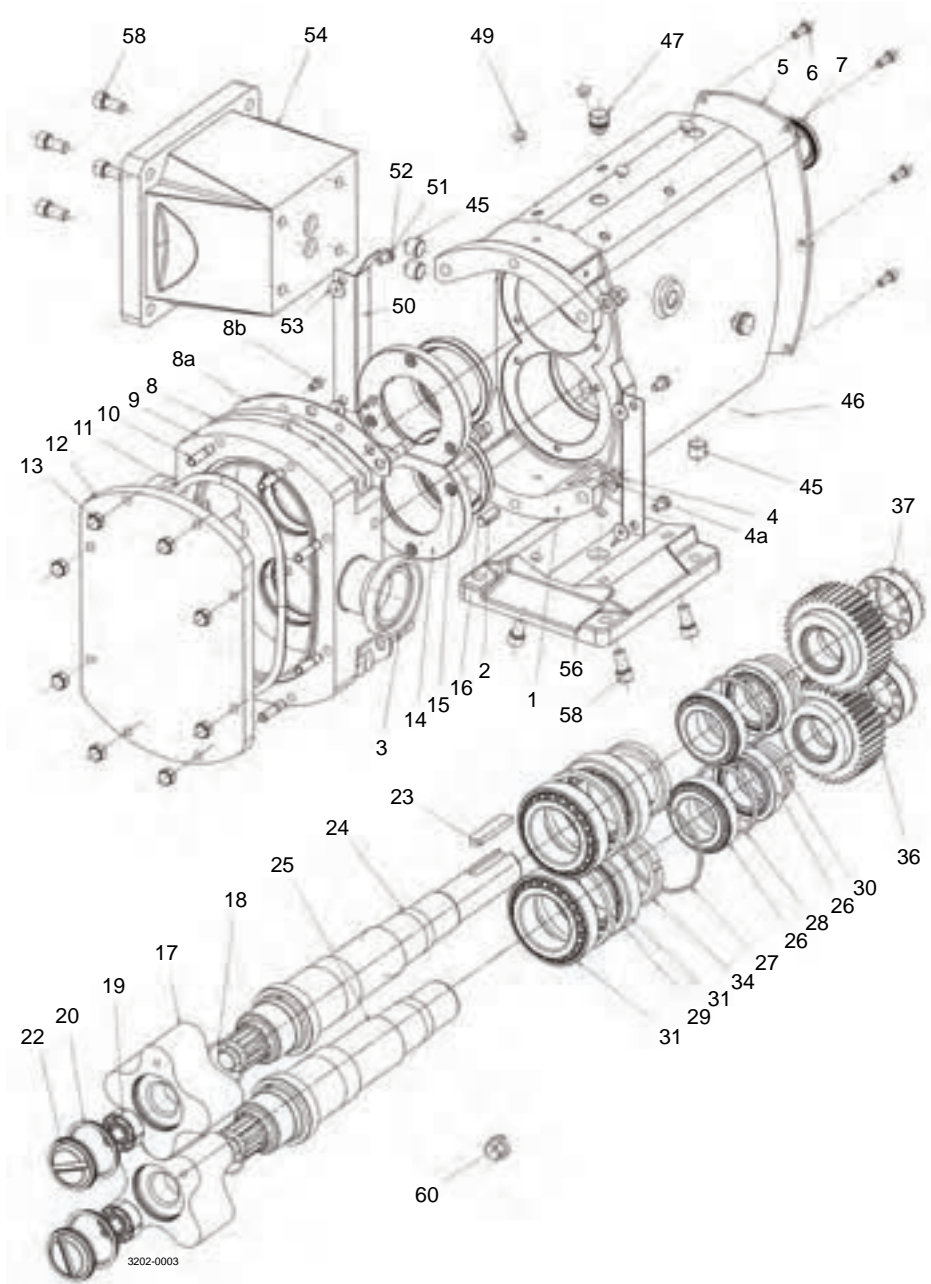
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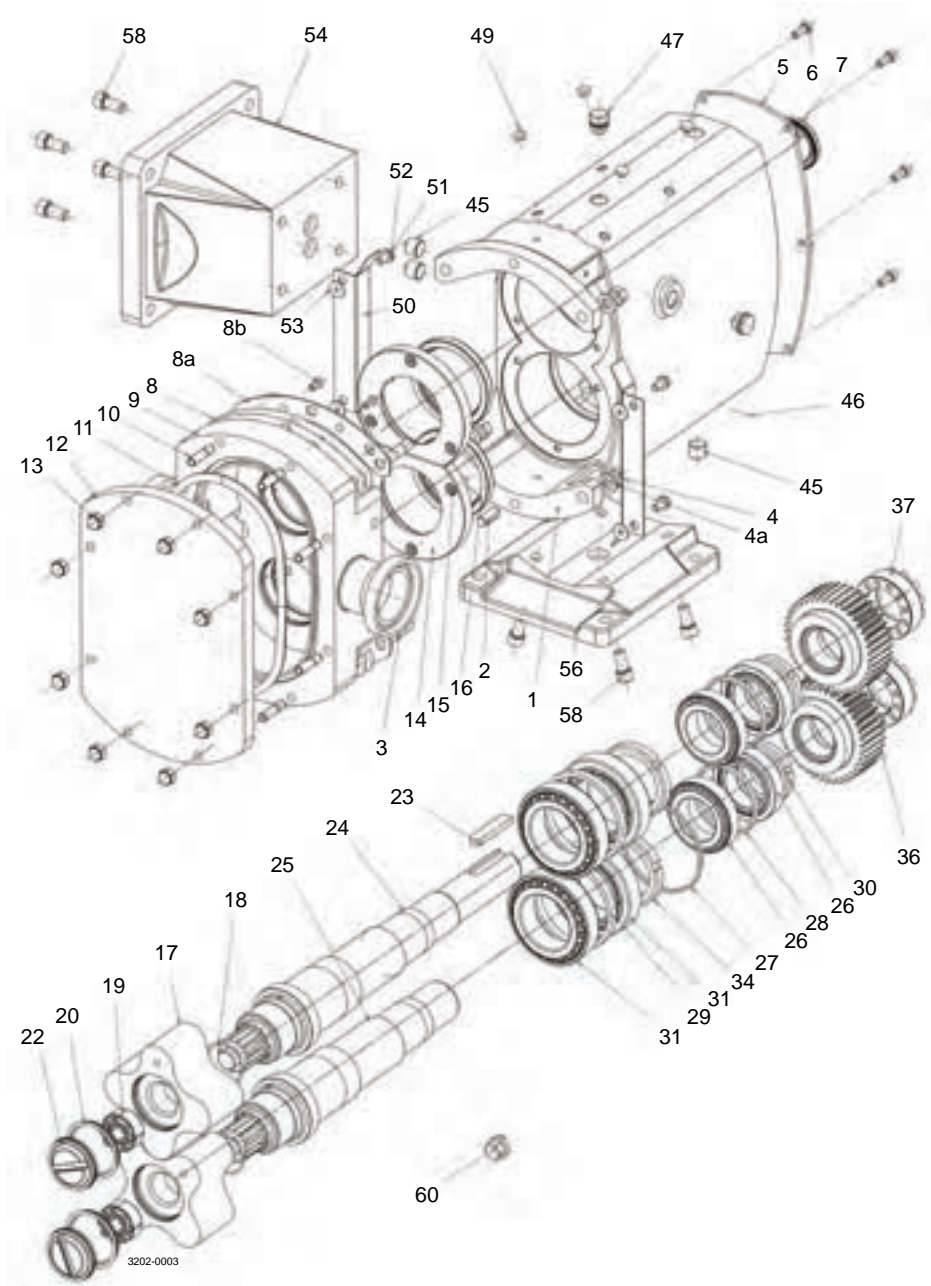
Pos	Qty	Denomination	Reference Part	
			No.	Item No.
1	1	Gearcase	5220.794	9630650044
2	2	Dowel	5170.050	9630998450
3	4	Stud, rotorcase retention	6350.138	9630052265
4	4	Nut, rotorcase retention	5330.001	9630024053
4a	4	Washer, rotorcase retention	6400.038	9630024236
5	1	Cover, gearcase	5120.214	9630863239
6	6	Screw, gearcase cover	5990.034	9630024635
7	1	Lip seal, rear	5310.081	9630032809
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	6150.156	9630033702
set				
8a	2	Shim retainer	6150.314	9630089543
8b	4	Screw, shim retainer	6000.010	9630050533
9	1	Rotorcase, 2" (50mm) connections DIN11851, SX UP4/046	9009.235S	9630102177
	1	Rotorcase, 2" (50mm) connections SMS, SX UP4/046	9009.234S	9630102181
	1	Rotorcase, 2" (50mm) connections Tri-clamp, SX UP4/046	9009.271S	9630102182
	1	Rotorcase, 2" (50mm) connections - Electropolished Tri-clamp, SX UP4/046	9009.271SEP	9630102647
	1	Rotorcase, 2.1/2" (65mm) connections DIN11851, SX UP4/063	9010.651S	9630102183
	1	Rotorcase, 2.1/2" (65mm) connections SMS, SX UP4/063	9010.649S	9630102186
	1	Rotorcase, 2.1/2" (65mm) connections Tri-clamp, SX UP4/063	9010.650S	9630102187
	1	Rotorcase, 2.1/2" (65mm) connections - Electropolished Tri-clamp, SX UP4/063	9010.650SEP	9630857389
10	8	Stud, rotorcase/cover retention	6350.104	9630019863
11	1	Compression joint, USP Class VI, FPM	5381.401	9630070399
	1	Compression joint, USP Class VI, Silicone	5381.404	9630070400
	1	Compression joint, USP Class VI, EPDM	5381.405	9630070401
12	1	Cover, rotorcase	5130.434	9630070403
	1	Cover, rotorcase, Electropolished	5130.434EP	9630102649
13	8	Dome nut, rotorcase cover	5340.047	9630029651
14	2	Retainer, seal	5560.114	9630863331
15	6	Screw, seal retainer	5990.052	9630021069
16	2	Lip seal, front	5310.074	9630032800
17	2	Rotor, Stainless Steel 5 bar 150°C, SX UP4/046	5780.046E.A	9630111763
	2	Rotor, Stainless Steel 15 bar 150°C, SX UP4/046	5780.046R.A	9630124836
	2	Rotor, Stainless Steel 5 bar 150°C, SX UP4/063	5780.063E.A	9630125362
	2	Rotor, Stainless Steel 10 bar 150°C, SX UP4/063	5780.063K.A	9630110663
	2	Rotor, Stainless Steel - Electropolished 5 bar 150°C, SX UP4/046	5780.046E.AEP	9630857271
	2	Rotor, Stainless Steel - Electropolished 15 bar 150°C, SX UP4/046	5780.046R.AEP	9630124837
	2	Rotor, Stainless Steel - Electropolished 5 bar 150°C, SX UP4/063	5780.063E.AEP	9630857272
	2	Rotor, Stainless Steel - Electropolished 10 bar 150°C, SX UP4/063	5780.063K.AEP	9630857273
20	2	Cup seal, rotor retainer, USP Class VI, FPM	5382.301	9630069423
	2	Cup seal, rotor retainer, USP Class VI, Silicone	5382.304	9630069422
	2	Cup seal, rotor retainer, USP Class VI, EPDM	5382.305	9630069421
22	2	Rotor retainer, SX UP4/046	5900.204	9630070338
	2	Rotor retainer, SX UP4/063	5900.214	9630070339
	2	Rotor retainer, Electropolished SX UP4/046	5900.204EP	9630112103
	2	Rotor retainer, Electropolished SX UP4/063	5900.214EP	9630857331
23	1	Key	5270.011	9630023932
24	1	Shaft, drive	6110.744	9630070376
25	1	Shaft, auxiliary	6100.744	9630070374
26	4	Bearing, rear	5080.014	9630029032
27	1	Spacer, shaft abutment	5670.169.01	9630070443
28	2	Spacer, bearing rear	5670.050	9630070381
29	2	Spacer, bearing front	5670.164	9630027142
30	2	Nut, bearing rear	5340.043	9630029138
31	4	Bearing, front	5080.023	9630069300
34	2	Nut, bearing front	5340.035	9630024100
36	2	Timing gear	5210.078	9630069307
37	2	Torque locking assembly	5615.000	9630024451
45	2	Drain plug	5470.001	9630024417
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	5480.001	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	5470.031	9630651688
48	2	Plug	5470.025	9630104561
49	4	Blanking plug	5470.021	9630089949
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	5243.144	9630111562
51	4	Screw, gland guard	5990.045	9630030332
52	4	Washer, gland guard	6400.046	9630030121
53	4	Washer, gland guard	6400.128	9630924711
54	1	Foot, vertical port	5225.624	9630651712
56	1	Foot, horizontal port	5225.304	9630070368
58	2	Screw, foot	6000.013	9630074775
60	1	Tool, rotor retainer	6380.192	9630070769



Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630997614
2	2	Dowel	9630998450
3	4	Stud, rotorcase retention	9630052265
4	4	Nut, rotorcase retention	9630024053
4a	4	Washer, rotorcase retention	9630024236
5	1	Cover, gearcase	9630651242
6	5	Screw, gearcase cover	9630024635
7	1	Lip seal, rear	9630032810
8	1	Shim - standard, (for ATEX pump see 'ATEX Parts') Polymex	9630033860
set			
8a	2	Shim retainer	9630089544
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 2.1/2" (65mm) connections DIN11851, SX UP5/082	9630102188
	1	Rotorcase, 2.1/2" (65mm) connections SMS, SX UP5/082	9630102191
	1	Rotorcase, 2.1/2" (65mm) connections Tri-clamp, SX UP5/082	9630102192
	1	Rotorcase, 2.1/2" (65mm) connections - Electropolished Tri-clamp, SX UP5/082	9630857390
	1	Rotorcase, 3" (80mm) connections DIN11851, SX UP5/115	9630102193
	1	Rotorcase, 3" (80mm) connections SMS, SX UP5/115	9630102196
	1	Rotorcase, 3" (80mm) connections Tri-clamp, SX UP5/115	9630102124
	1	Rotorcase, 3" (80mm) connections - Electropolished Tri-clamp SX UP5/115	9630854547
10	8	Stud, rotorcase/cover retention	9630019863
11	1	Compression joint, USP Class VI, FPM	9630071979
	1	Compression joint, USP Class VI, Silicone	9630071980
	1	Compression joint, USP Class VI, EPDM	9630071981
12	1	Cover, rotorcase	9630072005
	1	Cover, rotorcase, Electropolished	9630854549
13	8	Dome nut, rotorcase cover	9630029651
14	2	Retainer, seal	9630863346
15	6	Screw, seal retainer	9630024635
16	2	Lip seal, front	9630032802
17	2	Rotor, Stainless Steel 15 bar 150°C, SX UP5/082	9630112549
	2	Rotor, Stainless Steel 10 bar 150°C, SX UP5/115	9630099553
	2	Rotor, Stainless Steel - Electropolished 15 bar 150°C, SX UP5/082	9630857274
	2	Rotor, Stainless Steel - Electropolished 10 bar 150°C, SX UP5/115	9630854548
20	2	Cup seal, rotor retainer, USP Class VI, FPM	9630069432
	2	Cup seal, rotor retainer, USP Class VI, Silicone	9630069431
	2	Cup seal, rotor retainer, USP Class VI, EPDM	9630069426
22	2	Rotor retainer, SX UP5/082	9630073103
	2	Rotor retainer, SX UP5/115	9630073104
	2	Rotor retainer, Electropolished SX UP5/082	9630857309
	2	Rotor retainer, Electropolished SX UP5/115	9630857332
23	1	Key	9630023940
24	1	Shaft, drive	9630073081
25	1	Shaft, auxiliary	9630073080
26	4	Bearing, rear	9630029034
27	1	Spacer, shaft abutment	9630035209
28	2	Spacer, bearing drive end	9630031175
29	2	Spacer, bearing gland end	9630031133
30	2	Nut, bearing rear	9630024100
31	4	Bearing, front	9630029036
34	2	Nut, bearing front	9630029139
36	2	Timing gear	9630031162
37	2	Torque locking assembly	9630024455
45	7	Drain plug	9631045610
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630651688
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630666813
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070568
56	1	Foot, horizontal port	9630070567
58	4	Bolt, foot	9630038966
60	1	Tool, rotor retainer	9630070769



Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630997615
2	2	Dowel	9630998451
3	4	Stud, rotorcase retention	9630052267
4	4	Nut, rotorcase retention	9630024055
4A	4	Washer, rotorcase retention	9630024238
5	1	Cover, gearcase	9630651243
6	5	Screw, gearcase cover	9630024635
7	1	Lip seal, rear	9630032798
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630033391
set			
8a	2	Shim retainer	9630051782
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 3" (80mm) connections DIN11851, SX UP6/140	9630102197
	1	Rotorcase, 3" (80mm) connections SMS, SX UP6/140	9630102200
	1	Rotorcase, 3" (80mm) connections Tri-clamp (3.1), SX UP6/140	9630102201
	1	Rotorcase, 3" (80mm)connections - Electropolished Tri-clamp (3.1), SX UP6/140	9630104827
	1	Rotorcase, 4" (100mm) connections DIN11851, SX UP6/190	9630102202
	1	Rotorcase, 4" (100mm) connections SMS, SX UP6/190	9630102205
	1	Rotorcase, 4" (100mm) connections Tri-clamp (3.1), SX UP6/190	9630102149
	1	Rotorcase, 4" (100mm) connections - Electropolished Tri-clamp (3.1), SX UP6/190	9630857391
10	8	Stud, rotorcase/cover retention	9630030574
11	1	Compression joint, USP Class VI, FPM	9630071982
	1	Compression joint, USP Class VI, Silicone	9630071983
	1	Compression joint, USP Class VI, EPDM	9630071984
12	1	Cover, rotorcase	9630072006
	1	Cover, rotorcase, Electropolished	9630111950
13	8	Dome nut, rotorcase cover	9630024088
14	2	Retainer, seal	9630863347
15	6	Screw, seal retainer	9630024635
16	2	Lip seal, front	9630032803
17	2	Rotor, Stainless Steel 15 bar 150°C, SX UP6/140	9630102913
	2	Rotor, Stainless Steel 10 bar 150°C, SX UP6/190	9630856717
	2	Rotor, Stainless Steel - Electropolished 15 bar 150°C, SX UP6/140	9630112415
	2	Rotor, Stainless Steel - Electropolished 10 bar 150°C, SX UP6/190	9630856993
19	2	Torque locking assembly	9630938853
20	2	Cup seal, rotor retainer, USP Class VI, FPM	9630069861
	2	Cup seal, rotor retainer, USP Class VI, Silicone	9630069862
	2	Cup seal, rotor retainer, USP Class VI, EPDM	9630069858
22	2	Rotor retainer	9630073101
	2	Rotor retainer, Electropolished	9630111951
23	1	Key	9630023940
24	1	Shaft, drive, SX UP6/140	9630073057
	1	Shaft, drive, SX UP6/190	9630073058
25	1	Shaft, auxiliary, SX UP6/140	9630073056
	1	Shaft, auxiliary, SX UP6/190	9630073059
26	4	Bearing, rear	9630029036
27	1	Spacer, shaft abutment	9630034661
28	2	Spacer, bearing rear	9630031133
29	2	Spacer, bearing front	9630031135
30	2	Nut, bearing rear	9630029139
31	4	Bearing, front	9630029038
34	2	Nut, bearing front	9630029140
36	2	Timing gear	9630030718
37	2	Torque locking assembly	9630024455
45	7	Drain plug	9630101561
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630651688
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630666814
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070572
56	1	Foot, horizontal port	9630070571
58	4	Bolt, foot	9630038966
60	1	Tool, rotor retainer	9630070769
	1	Tool, rotor TLA clamp (not shown) complete:	9630087290
	1	Comprising of: Clamp ring	9630855562
	1	Comprising of: Clamp nut	9630855565



Pos	Qty	Denomination	Item No.
1	1	Gearcase	9630070603
2	2	Dowel	9630023467
3	4	Stud, rotorcase retention	9630024029
4	4	Nut, rotorcase retention	9630024055
4a	4	Washer, rotorcase retention	9630024238
5	1	Cover, gearcase	9630668405
6	6	Screw, gearcase cover	9630024635
7	1	Lip seal, rear	9630054369
8	1	Shim, standard (for ATEX pump see 'ATEX Parts') Polymex	9630072392
set			
8a	2	Shim retainer	9630072385
8b	4	Screw, shim retainer	9630050533
9	1	Rotorcase, 4" (100mm) connections DIN11851, SX UP7/250	9630102206
	1	Rotorcase, 4" (100mm) connections SMS, SX UP7/250	9630102209
	1	Rotorcase, 4" (100mm) connections Tri-clamp, SX UP7/250	9630102150
	1	Rotorcase, 4" (100mm)connections - Electropolished Tri-clamp (3.1), SX UP7/250	9630857392
	1	Rotorcase, 6" (150mm) connections DIN11851, SX UP7/380	9630085942
	1	Rotorcase, 6" (150mm) connections Tri-clamp, SX UP7/380	9630086312
	1	Rotorcase, 6" (150mm) connections - Electropolished Tri-clamp,SX UP7/380	9630857393
10	8	Stud, rotorcase/cover retention	9630030574
11	1	Compression joint, USP Class VI, FPM	9630071985
	1	Compression joint, USP Class VI, Silicone	9630071986
	1	Compression joint, USP Class VI, EPDM	9630071987
12	1	Cover, rotorcase	9630072007
	1	Cover, rotorcase, Electropolished	9630857259
13	8	Dome nut, rotorcase cover	9630024088
14	2	Retainer, seal	9630073028
15	6	Screw, seal retainer	9630060520
16	2	Lip seal, front	9630074130
17	2	Rotor, Stainless Steel 15 bar 150°C, SX UP7/250	9630126267
	2	Rotor, Stainless Steel 10 bar 150°C, SX UP7/380	9630102924
	2	Rotor, Stainless Steel - Electropolished 15 bar 150°C, SX UP7/250	9630857276
	2	Rotor, Stainless Steel - Electropolished 10 bar 150°C, SX UP7/380	9630857277
19	2	Torque locking assembly	9630938853
20	2	Cup seal, rotor retainer, USP Class VI, FPM	9630069861
	2	Cup seal, rotor retainer, USP Class VI, Silicone	9630069862
	2	Cup seal, rotor retainer, USP Class VI,EPDM	9630069858
22	2	Rotor retainer	9630073101
	2	Rotor retainer, Electropolished	9630111951
23	1	Key	9630074134
24	1	Shaft, drive, SX UP7/250	9630073020
	1	Shaft, drive, SX UP7/380	9630073026
25	1	Shaft, auxiliary, SX UP7/250	9630073021
	1	Shaft, auxiliary, SX UP7/380	9630073027
26	4	Bearing, rear	9630029038
27	1	Spacer, shaft abutment	9630072526
28	2	Spacer, bearing rear	9630031135
29	2	Spacer, bearing front	9630072283
30	2	Nut, bearing rear	9630029140
31	4	Bearing, front	9630070846
34	2	Nut, bearing front	9630025231
36	2	Timing gear	9630071347
37	2	Torque locking assembly	9630025239
45	7	Drain plug	9630023548
46	1	Sight glass, standard (for ATEX pump see 'ATEX Parts')	9630032778
47	1	Filler plug, standard (for ATEX pump see 'ATEX Parts')	9630018599
50	2	Gland guard, standard (for ATEX pump see 'ATEX Parts')	9630668680
51	4	Screw, gland guard	9630030332
52	4	Washer, gland guard	9630030121
53	4	Washer, gland guard	9630924711
54	1	Foot, vertical port	9630070576
56	1	Foot, horizontal port	9630070575
58	4	Bolt, foot	9630026609
60	1	Tool, rotor retainer	9630070769
	1	Tool, rotor TLA clamp (not shown) complete:	9630087290
	1	Comprising of: Clamp ring	9630855562
	1	Comprising of: Clamp nut	9630855565

1.4

Pos	Qty	Denomination	SX UP1 Item No.	SX UP2 Item No.
		Cover / Rotor Seal Kit, EPDM USP Class VI . . . . .	9630110858	9630110862
		Cover / Rotor Seal Kit, FPM USP Class VI . . . . .	9630110860	9630110865
		Cover / Rotor Seal Kit, Silicone USP Class VI . . . . .	9630110861	9630110866

Pos	Qty	Denomination	SX UP3 Item No.	SX UP4 Item No.
		Cover / Rotor Seal Kit, EPDM USP Class VI . . . . .	9630110867	9630110870
		Cover / Rotor Seal Kit, FPM USP Class VI . . . . .	9630110868	9630110871
		Cover / Rotor Seal Kit, Silicone USP Class VI . . . . .	9630110869	9630110872

Pos	Qty	Denomination	SX UP5 Item No.	SX UP6 Item No.
		Cover / Rotor Seal Kit, EPDM USP Class VI . . . . .	9630110873	9630110876
		Cover / Rotor Seal Kit, FPM USP Class VI . . . . .	9630110874	9630110877
		Cover / Rotor Seal Kit, Silicone USP Class VI . . . . .	9630110875	9630110878

Pos	Qty	Denomination	SX UP7 Item No.
		Cover / Rotor Seal Kit, EPDM USP Class VI . . . . .	9630110880
		Cover / Rotor Seal Kit, FPM USP Class VI . . . . .	9630110881
		Cover / Rotor Seal Kit, Silicone USP Class VI . . . . .	9630110882



Each kit comprises of 1 off Cover/Rotor Sealing Kit and 2 off complete Mechanical Seals for one pump.

Pos	Qty	Denomination	SX UP1 Item No.	SX UP2 Item No.
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI . . . . .	9630857178	9630857179
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI . . . . .	9630880606	9630879061
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI . . . . .	9630950766	9630925619
Pos	Qty	Denomination	SX UP3 Item No.	SX UP4 Item No.
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI . . . . .	9630857180	9630857181
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI . . . . .	9630879729	9630866094
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI . . . . .	9630939242	9630919921
Pos	Qty	Denomination	SX UP5 Item No.	SX UP6 Item No.
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI . . . . .	9630857182	9630857183
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI . . . . .	9630881870	9630866095
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI . . . . .	9630923899	9630950767
Pos	Qty	Denomination	SX UP7 Item No.	
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI . . . . .	9630857184	
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI . . . . .	9630879211	
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI . . . . .	9630941206	

Note: Q-Doc certification is standard with SX UltraPure Service Kits

**Service Kits (R00 Single Flushed mechanical Seals) - SX UltraPure Pump Range Rotary Lobe Pumps**

1.4

Pos	Qty	Denomination	SX UP1 Item No.	SX UP2 Item No.
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI	9630950871	9630950893
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI	9630950872	9630921071
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI	9630950873	9630950894

Pos	Qty	Denomination	SX UP3 Item No.	SX UP4 Item No.
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI	9630950919	9630950946
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI	9630950920	9630921067
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI	9630950921	9630950947

Note 1: Q-Doc certification is standard with SX UltraPure Service Kits

The squad ring is replaced by a conventional 'o' ring if the pressure between the seal flush media and pump head discharge pressure is likely to exceed 5 bar.

Pos	Qty	Denomination	< 5 bar	> 5 bar
			SX UP1 Item No.	SX UP1 Item No.
Each kit comprises of 1 off Cover/Rotor Seal Kit and 2 off complete Mechanical Seals for one pump.				
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, EPDM	9630950876	9630950882
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, FPM	9630950877	9630950883
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, Silicone	9630950878	9630950884
Pos	Qty	Denomination	< 5 bar	> 5 bar
			SX UP2 Item No.	SX UP2 Item No.
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, EPDM	9630950898	9630950904
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, FPM	9630950899	9630950905
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, Silicone	9630950900	9630950906

1.4

Pos	Qty	Denomination	< 5 bar	> 5 bar
			SX UP3	SX UP3
			Item No.	Item No.
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, EPDM	9630950925	9630950931
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, FPM	9630950926	9630950932
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, Silicone	9630950927	9630950933

Pos	Qty	Denomination	< 5 bar	> 5 bar
			SX UP4	SX UP4
			Item No.	Item No.
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, EPDM	9630950951	9630950957
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, FPM	9630950952	9630950958
		Inboard Seal: Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal: Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, Silicone	9630950953	9630950959

Note: Q-Doc certification is standard with SX UltraPure Service Kits

Pos	Qty	Denomination	< 5 bar	> 5 bar
			SX UP5	SX UP5
			Item No.	Item No.

Each kit comprises of 1 off Cover/Rotor Seal Kit and 2 off complete Mechanical Seals for one pump.  
 The squad ring is replaced by a conventional 'o' ring if the pressure between the seal flush media and pump head discharge pressure is likely to exceed 5 bar.

Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, EPDM			9630950971	9630945596
Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, FPM			9630950972	9630950977
Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, Silicone			9630950973	9630950978

Pos	Qty	Denomination	< 5 bar	> 5 bar
			SX UP6	SX UP6
			Item No.	Item No.

Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, EPDM			9630950994	9630951000
Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, FPM			9630950995	9630951001
Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, Silicone			9630950996	9630951002

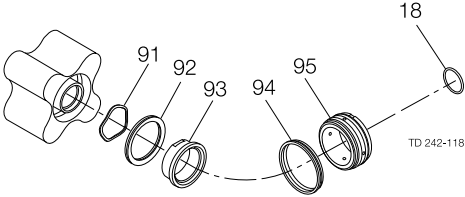
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Pos	Qty	Denomination	< 5 bar SX UP7 Item No.	> 5 bar SX UP67 Item No.
		Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, EPDM . . . . .	9630951016	9630951022
		Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, FPM . . . . .	9630951017	9630951023
		Inboard Seal, Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Outboard Seal, Rotary Seal/Static Seal Ring, Carbon/Silicone Carbide, Silicone . . . . .	9630951018	9630951024

Note: Q-Doc certification is standard with SX UltraPure Service Kits



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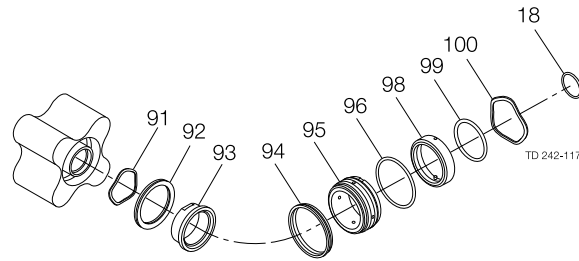




2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

Pos	Qty	Denomination	SX UP1 Item No.	SX UP2 Item No.
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI	9630088483	9630088489
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI	9630088485	9630088488
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI	9630857712	9630857714
Pos	Qty	Denomination	SX UP3 Item No.	SX UP4 Item No.
		Rotary Seal Stationary Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI	9630088209	9630088497
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI	9630088125	9630076413
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, Silicone Class VI	9630858778	9630856568
Pos	Qty	Denomination	SX UP5 Item No.	SX UP6 Item No.
		Rotary Seal/Static Seal Ring, Silicon Carbide /Silicon Carbide, EPDM USP Class VI	9630087237	9630088506
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI	9630088500	9630088505
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone Class VI	9630858784	9630858786
Pos	Qty	Denomination	SX UP7 Item No.	
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI	9630088512	
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI	9630088511	
		Rotary Seal/Static Seal Ring, Silicon Carbide/Silicon Carbide, Silicone Class VI	9630101627	

Note: Q-Doc certification needs to be requested by order for mechanical seals

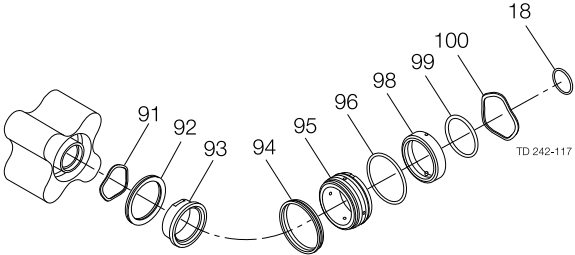


2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement

Pos	Qty	Denomination	SX UP1 Item No.	SX UP2 Item No.
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI	9630125198	9630111133
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI	9630112575	9630102419
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI	9630941613	9630941614
Pos	Qty	Denomination	SX UP3 Item No.	SX UP4 Item No.
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, EPDM USP Class VI	9630088892	9630113647
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, FPM USP Class VI	9630127023	9630113652
		Rotary Seal/Stationary Seal Ring, Silicon Carbide/Silicon Carbide, Silicone USP Class VI	9630924902	9630941615

Note 1: Q-Doc certification needs to be requested by order for mechanical seals

1.4



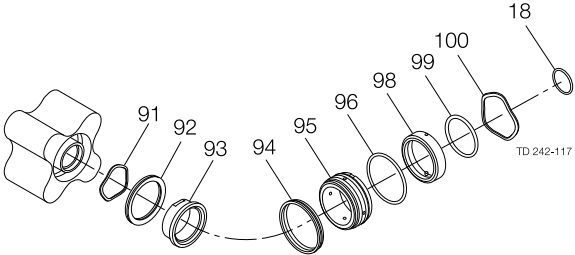
2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.  
 The squad ring is replaced by a conventional 'o' ring if the pressure between the seal flush media and pump head discharge pressure is likely to exceed 5 bar.

Pos	Qty	Denomination	< 5 bar SX UP1 Item No.	> 5 bar SX UP1 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630092953	9630950730
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .	9630950726	9630939858
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .	9630950727	9630950731

Pos	Qty	Denomination	< 5 bar SX UP2 Item No.	> 5 bar SX UP2 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630864558	9630950736
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .	9630864012	9630929117
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .	9630950733	9630950737

Pos	Qty	Denomination	< 5 bar SX UP3 Item No.	> 5 bar SX UP3 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, EPDM . . . . .	9630112225	9630950741
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, FPM . . . . .	9630863999	9630938517
		Rotary Seal/Static Seal Ring. Inboard Seal: Silicon Carbide/Silicon Carbide. Outboard Seal: Carbon/Stainless Steel, Silicone . . . . .	9630932856	9630950742

Note: Q-Doc certification needs to be requested by order for mechanical seals



2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.  
 The squad ring is replaced by a conventional 'o' ring if the pressure between the seal flush media and pump head discharge pressure is likely to exceed 5 bar.

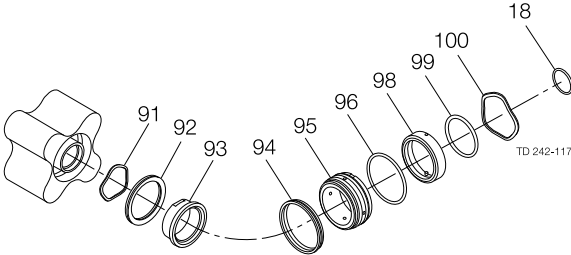
Pos	Qty	Denomination	< 5 bar SX UP4 Item No.	> 5 bar SX UP4 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630087511	9630092624
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630919138	9630855585
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, Silicone . . . . .	9630932857	9630950744

Pos	Qty	Denomination	< 5 bar SX UP5 Item No.	> 5 bar SX UP5 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630921032	9630921033
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630950749	9630942465
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, MVQ . . . . .	9630950750	9630950751

Pos	Qty	Denomination	< 5 bar SX UP6 Item No.	> 5 bar SX UP6 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630095935	9630938776
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630861723	9630950752
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, MVQ . . . . .	9630950757	9630950758

Note: Q-Doc certification needs to be requested by order for mechanical seals

1.4





2 seals per pump. It is recommended to replace both sets of seals when wear dictates seal replacement.  
 The squad ring is replaced by a conventional 'o' ring if the pressure between the seal flush media and pump head discharge pressure is likely to exceed 5 bar.

Pos	Qty	Denomination	< 5 bar SX UP7 Item No.	> 5 bar SX UP7 Item No.
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, EPDM . . . . .	9630090029	9630950761
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, FPM . . . . .	9630934151	9630936885
		Rotary Seal/Static Seal Ring. Inboard Seal: Carbon/Silicon Carbide. Outboard Seal: Carbon/Silicon Carbide, MVQ . . . . .	9630950764	9630950765

Note: Q-Doc certification needs to be requested by order for mechanical seals

1.4

Pos	Qty	Denomination	SX UP1 Item No.	SX UP2 Item No.
<b>Parts for single R00 seals</b>				
18	2	O-Ring, rotor sealing shaft end, EPDM USP Class VI	9630127026	9630854853
	2	O-Ring, rotor sealing shaft end, FPM USP Class VI	9630022907	9630865835
	2	O-Ring, rotor sealing shaft end, Silicone USP Class VI	9630070311	9630126677
92	2	Squad Ring, EPDM USP Class VI	9630069434	9630069435
	2	Squad Ring, FPM USP Class VI	9630069440	9630069654
	2	Squad Ring, Silicone USP Class VI	9630069437	9630069438
93	2	Rotary Seal Ring, Silicon Carbide	9630069795	9630069796
94	2	Cup Seal, EPDM USP Class VI	9630069424	9630069425
	2	Cup Seal, FPM USP Class VI	9630069429	9630069430
	2	Cup Seal, Silicone USP Class VI	9630069427	9630069428
95	2	Static Seal Ring, Silicon Carbide	9630069809	9630069810

**Additional parts to convert above R00 single seals to single flushed seals**

95*	2	Static Seal Ring, Silicon Carbide	9630069802	9630069803
note1				
96	2	Static Seal Ring O-Ring, EPDM USP Class VI	9630127024	9630854460
	2	Static Seal Ring O-Ring, FPM USP Class VI	9630941125	9630023418
	2	Static Seal Ring O-Ring, Silicone USP Class VI	9630043327	9630074739
97	2	Lip Seal, FPM	9630075620	9630075621

Note 1: 95\* replaces 95 above.

Note 2: To convert to single flush seal also requires drg item no. 59 (elbow).

**Additional parts to convert above R00 single seals to double flushed seals**

92*note	2	Rotary Seal Ring O-Ring, EPDM USP Class VI	9630071261	9630074754
2				
	2	Rotary Seal Ring O-Ring, FPM USP Class VI	9630071246	9630074750
	2	Rotary Seal Ring O-Ring, Silicone USP Class VI	9630071260	9630074752
95*note	2	Static Seal Ring, Sil.Car (inboard) /Sil.Car (outboard)	9630069816	9630069819
1				
96	2	Static Seal Ring O-Ring, EPDM USP Class VI	9630127024	9630854460
	2	Static Seal Ring O-Ring, FPM USP Class VI	9630941125	9630023418
	2	Static Seal Ring O-Ring, Silicone USP Class VI	9630043327	9630074739
98	2	Rotary Seal Ring (outboard), Carbon	9630069832	9630069833
99	2	Rotary Seal Ring O-Ring, EPDM USP Class VI	9630127025	9630071238
	2	Rotary Seal Ring O-Ring, FPM	9630111351	9630071237
	2	Rotary Seal Ring O-Ring, MVQ	9630074749	9630071259

Note 1: 95\* replaces 95 above.

Note 2: The squad ring is replaced by a conventional O-ring if the pressure difference between the seal flush media and pump head discharge pressure is likely to exceed 5 bar (ie 92\* replaces 92 above).

Note 3: To convert to double seal also requires drg item no. 59 (elbow).

**Wave springs supplied with drg no. 93 and 98 rotary seal rings:**

91	2	Wave Spring	9630075413	9630075425
100	2	Wave Spring	9630075414	9630075426

Note: Q-Doc certification needs to be requested by order for mechanical seal parts

Pos	Qty	Denomination	SX UP3 Item No	SX UP4 Item No
<b>Parts for single R00 seals</b>				
18	2	O-Ring, rotor sealing shaft end, EPDM USP Class VI	9630854463	9630854854
	2	O-Ring, rotor sealing shaft end, FPM USP Class VI	9630865836	9630070327
	2	O-Ring, rotor sealing shaft end, Silicone USP Class VI	9630124023	9630105358
92	2	Squad Ring, EPDM USP Class VI	9630069433	9630069436
	2	Squad Ring, FPM USP Class VI	9630069442	9630069444
	2	Squad Ring, Silicone USP Class VI	9630069439	9630069443
93	2	Rotary Seal Ring, Silicon Carbide	9630069797	9630069798
94	2	Cup Seal, EPDM USP Class VI	9630069421	9630069426
	2	Cup Seal, FPM USP Class VI	9630069423	9630069432
	2	Cup Seal, Silicone USP Class VI	9630069422	9630069431
95	2	Static Seal Ring, Silicon Carbide	9630069811	9630069812

**Additional parts to convert above R00 single seals to single flushed seals**

95*note	2	Static Seal Ring, Silicon Carbide	9630069804	9630069805
96	2	Static Seal Ring O-Ring, EPDM USP Class VI	9630854855	9630862195
	2	Static Seal Ring O-Ring, FPM USP Class VI	9630865837	9630038945
	2	Static Seal Ring O-Ring, Silicone USP Class VI	9630858819	9630071262
97	2	Lip Seal, FPD	9630075622	9630075623

Note 1: 95\* replaces 95 above.

Note 2: To convert to single flush seal also requires drg item no.59 (elbow).

**Additional parts to convert above R00 single seals to double flushed seals**

92*note	2	Rotary Seal Ring O-Ring, EPDM USP Class VI	9630854467	9630929689
2	2	Rotary Seal Ring O-Ring, FPM USP Class VI	9630941109	9630932210
	2	Rotary Seal Ring O-Ring, Silicone USP Class VI	9630074753	9630074760
95*note	2	Static Seal Ring, Sil.Car (inboard) / Sil.Car (outboard)	9630069821	9630069823
96	2	Static Seal Ring O-Ring, EPDM USP Class VI	9630854855	9630038946
	2	Static Seal Ring O-Ring, FPM USP Class VI	9630865837	9630038945
	2	Static Seal Ring O-Ring, Silicone USP Class VI	9630858819	9630071262
98	2	Rotary Seal Ring (outboard), Carbon	9630069834	9630069835
99	2	Rotary Seal Ring O-Ring, EPDM USP Class VI	9630071245	9630071265
	2	Rotary Seal Ring O-Ring, FPM USP Class VI	9630024187	9630071264
	2	Rotary Seal Ring O-Ring, Silicone USP Class VI	9630071239	9630071263

Note 1: 95\* replaces 95 above.

Note 2: The squad ring is replaced by a conventional O-ring if the pressure difference between the seal flush media and pump head discharge pressure is likely to exceed 5 bar (ie 92\* replaces 92 above).

Note 3: To convert to double seal also requires drg item no. 59 (elbow).

**Wave springs supplied with drg no. 93 and 98 rotary seal rings:**

91	2	Wave Spring	9630075429	9630075433
100	2	Wave Spring	9630075430	9630075434

Note: Q-Doc certification needs to be requested by order for mechanical seal parts

1.4

Pos	Qty	Denomination	SX UP5 Item No	SX UP6 Item No
<b>Parts for single R00 seals</b>				
18	2	O-Ring, rotor sealing shaft end, EPDM USP Class VI . . . . .	9630854855	9630854891
	2	O-Ring, rotor sealing shaft end, FPM USP Class VI . . . . .	9630865837	9630111352
	2	O-Ring, rotor sealing shaft end, Silicone USP Class VI . . . . .	9630858819	9630105357
92	2	Squad Ring, EPDM USP Class VI . . . . .	9630069867	9630069870
	2	Squad Ring, FPM USP Class VI . . . . .	9630069868	9630069872
	2	Squad Ring, Silicone USP Class VI . . . . .	9630069869	9630069873
93	2	Rotary Seal Ring, Silicon Carbide . . . . .	9630069799	9630069800
94	2	Cup Seal, EPDM USP Class VI . . . . .	9630069858	9630069859
	2	Cup Seal, FPM USP Class VI . . . . .	9630069861	9630069863
	2	Cup Seal, Silicone USP Class VI . . . . .	9630069862	9630069864
95	2	Static Seal Ring, Silicon Carbide . . . . .	9630069813	9630069814

**Additional parts to convert above R00 single seals to double flushed seals**

92*note	2	Rotary Seal Ring O-Ring, EPDM USP Class VI . . . . .	9630854475	9630854489
2				
	2	Rotary Seal Ring O-Ring, FPM USP Class VI . . . . .	9630063121	9630941121
	2	Rotary Seal Ring O-Ring, Silicone USP Class VI . . . . .	9630074762	9630074764
95*note	2	Static Seal Ring, Sil.Car (inboard) /Sil.Car (outboard) . . . . .	9630069826	9630069828
1				
96	2	Static Seal Ring O-Ring, EPDM USP Class VI . . . . .	9630941114	9630111355
	2	Static Seal Ring O-Ring, FPM USP Class VI . . . . .	9630063125	9630111354
	2	Static Seal Ring O-Ring, Silicone Class VI . . . . .	9630042618	9630074740
98	2	Rotary Seal Ring (outboard), Carbon . . . . .	9630069836	9630069837
99	2	Rotary Seal Ring O-Ring, EPDM USP Class VI . . . . .	9630941680	9630941114
	2	Rotary Seal Ring O-Ring, FPM USP Class VI . . . . .	9630023448	9630063125
	2	Rotary Seal Ring O-Ring, Silicone USP Class VI . . . . .	9630074742	9630042618

Note 1: 95\* replaces 95 above.

Note 2: The squad ring is replaced by a conventional O-ring if the pressure difference between the seal flush media and pump head discharge pressure is likely to exceed 8 bar (ie 92\* replaces 92 above).

Note 3: To convert to double seal also requires drg item no.18 (O-ring) and 59 (elbow).

**Wave springs supplied with drg no. 93 and 98 rotary seal rings:**

91	2	Wave Spring . . . . .	9630075437	9630075441
100	2	Wave Spring . . . . .	9630075438	9630075442

Note: Q-Doc certification needs to be requested by order for mechanical seal parts

Pos	Qty	Denomination	SX UP7 Item No
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**Parts for single R00 seals**

18	2	O-Ring, rotor sealing shaft end, EPDM USP Class VI	9630854473
	2	O-Ring, rotor sealing shaft end, FPM USP Class VI	9630941123
	2	O-Ring, rotor sealing shaft end, Silicone USP Class VI	9630124024
92	2	Squad Ring, EPDM USP Class VI	9630069871
	2	Squad Ring, FPM USP Class VI	9630069875
	2	Squad Ring, Silicone USP Class VI	9630069874
93	2	Rotary Seal Ring, Silicon Carbide	9630069801
94	2	Cup Seal, EPDM USP Class VI	9630069860
	2	Cup Seal, FPM USP Class VI	9630069865
	2	Cup Seal, Silicone USP Class VI	9630069866
95	2	Static Seal Ring, Silicon Carbide	9630069815

**Additional parts to convert above R00 single seals to double flushed seals**

92*note 2	2	Rotary Seal Ring, O-Ring, EPDM USP Class VI	9630929690
	2	Rotary Seal Ring, O-Ring, FPM USP Class VI	9630074759
	2	Rotary Seal Ring, O-Ring, Silicone USP Class VI	9630074765
95*note 1	2	Static Seal Ring, Sil.Car (inboard) /Sil.Car (outboard)	9630069830
96	2	Static Seal Ring, O-Ring, EPDM USP Class VI	9630857065
	2	Static Seal Ring, O-Ring, FPM USP Class VI	9630037183
	2	Static Seal Ring, O-Ring, Silicone USP Class VI	9630043332
98	2	Rotary Seal Ring (outboard), Carbon	9630069538
99	2	Rotary Seal Ring O-Ring, EPDM USP Class VI	9630854451
	2	Rotary Seal Ring O-Ring, FPM USP Class VI	9630941124
	2	Rotary Seal Ring O-Ring, Silicone USP Class VI	9630074743

Note 1: 95\* replaces 95 above.

Note 2: The squad ring is replaced by a conventional O-ring if the pressure difference between the seal flush media and pump head discharge pressure is likely to exceed 8 bar (ie 92\* replaces 92 above).

Note 3: To convert to double seal also requires drg item no.18 and 59.

**Wave springs supplied with drg no. 93 and 98 rotary seal rings:**

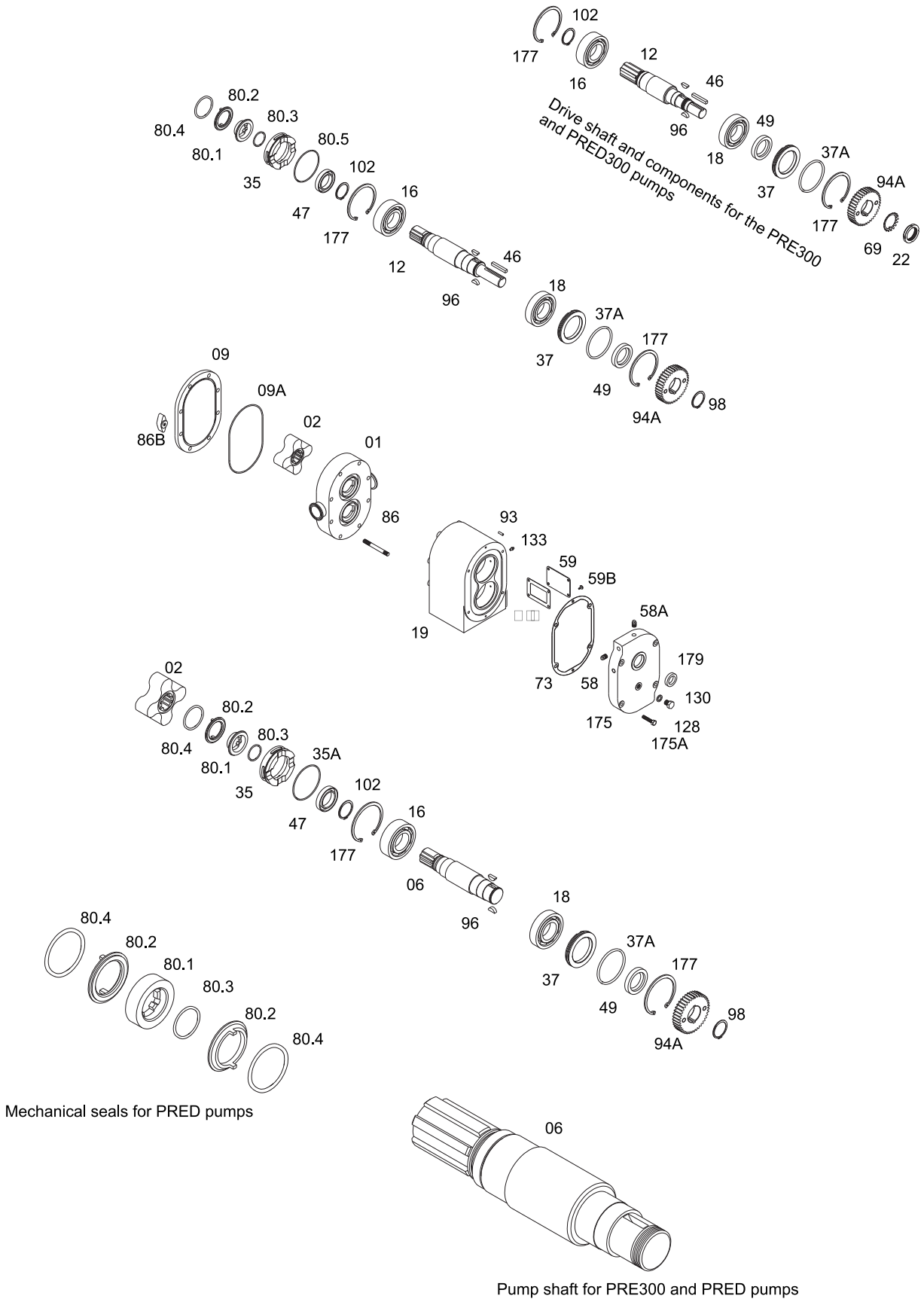
91	2	Wave Spring	9630075444
100	2	Wave Spring	9630075445

Note: Q-Doc certification needs to be requested by order for mechanical seal parts

1.4

Pos	Qty	Denomination	Item No.
8	1	Shim - stainless steel, SX UP1	9630034304
	set		
	1	Shim - stainless steel, SX UP2	9630034201
	set		
	1	Shim - stainless steel, SX UP3	9630034030
	set		
	1	Shim - stainless steel, SX UP4	9630033704
	set		
	1	Shim - stainless steel, SX UP5	9630033411
	set		
	1	Shim - stainless steel, SX UP6	9630033392
	set		
	1	Shim - stainless steel, SX UP7	tba
	set		
46	1	Sight glass	9630855435
47	1	Filler plug	9630105171
50	2	Gland guard, SX UP1	9630111575
	2	Gland guard, SX UP2	9630111576
	2	Gland guard, SX UP3	9630111577
	2	Gland guard, SX UP4	9630111562
	2	Gland guard, SX UP5	9630111644
	2	Gland guard, SX UP6	9630111645
	2	Gland guard, SX UP7	9630111646
95	1	Stationary seal ring with thermocouple SX UP1	tba
	1	Stationary seal ring with thermocouple SX UP2	tba
	1	Stationary seal ring with thermocouple SX UP3	tba
	1	Stationary seal ring with thermocouple SX UP4	tba
	1	Stationary seal ring with thermocouple SX UP5	tba
	1	Stationary seal ring with thermocouple SX UP6	tba
	1	Stationary seal ring with thermocouple SX UP7	tba
101	1	hermocouple clamp plate SX UP1	tba
	1	hermocouple clamp plate SX UP2	tba
	1	hermocouple clamp plate SX UP3	9630921042
	1	hermocouple clamp plate SX UP4	tba
	1	hermocouple clamp plate SX UP5	tba
	1	hermocouple clamp plate SX UP6	tba
	1	hermocouple clamp plate SX UP7	tba
102	2	Screw, thermocouple clamp plate SX UP1	tba
	2	Screw, thermocouple clamp plate SX UP2-3	9630021076
	2	Screw, thermocouple clamp plate SX UP4-7	tba
103	1	Plastic bush SX UP1-7	9630855571
104	1	Screw, bush locking SX UP1-7	9630863216
	1	Stud, earthing, SX UP1	9630105360
	1	Stud, earthing, SX UP2-4	9630105362
	1	Stud, earthing, SX UP5-7	9630105360
	2	Nut, earthing stud	9630024057
	2	Washer, lock	9630105264
	1	Earth bonding cable	9630105267
	2	Terminal copper tube	9630105435
	1	Earth bonding tag	9630105614



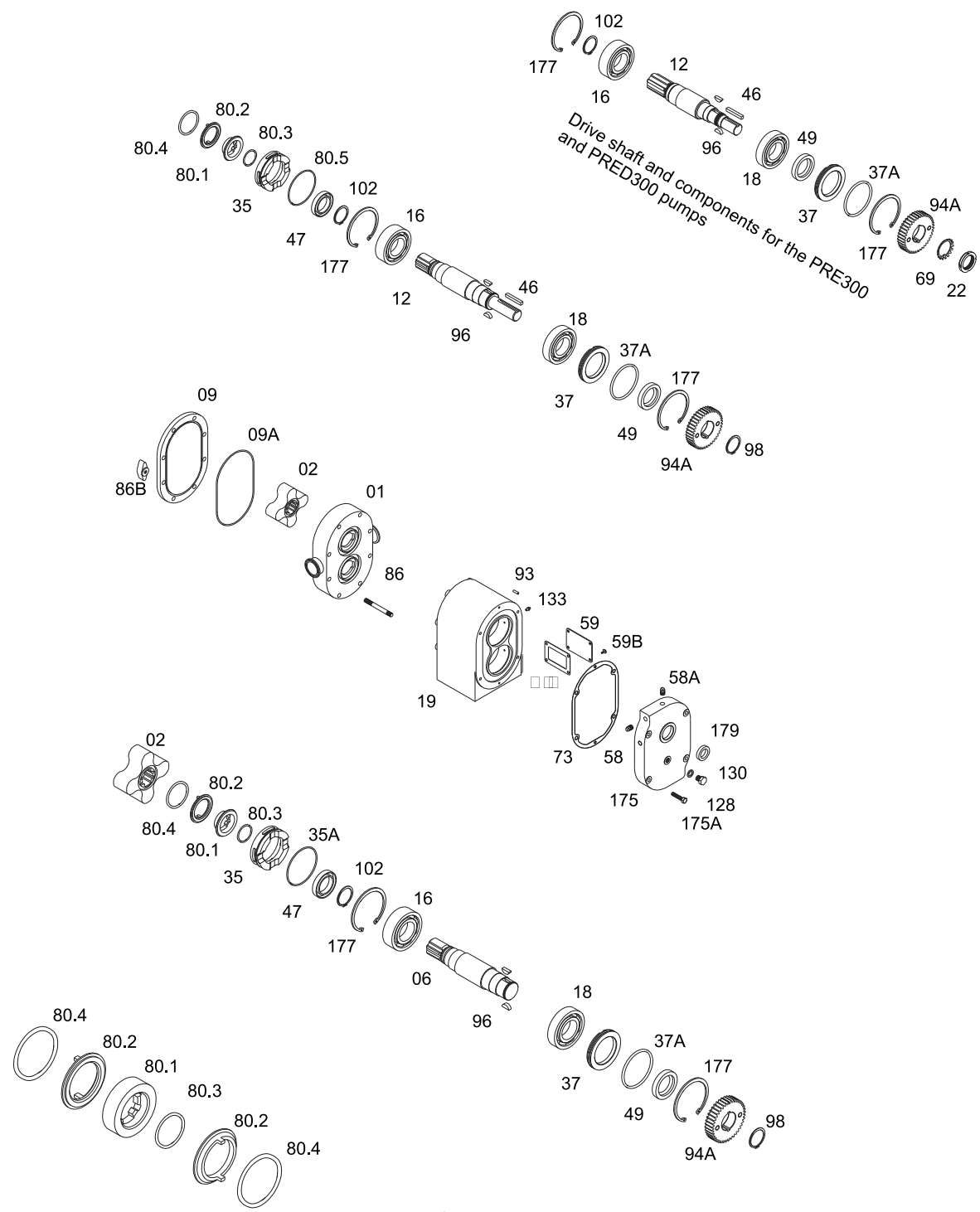




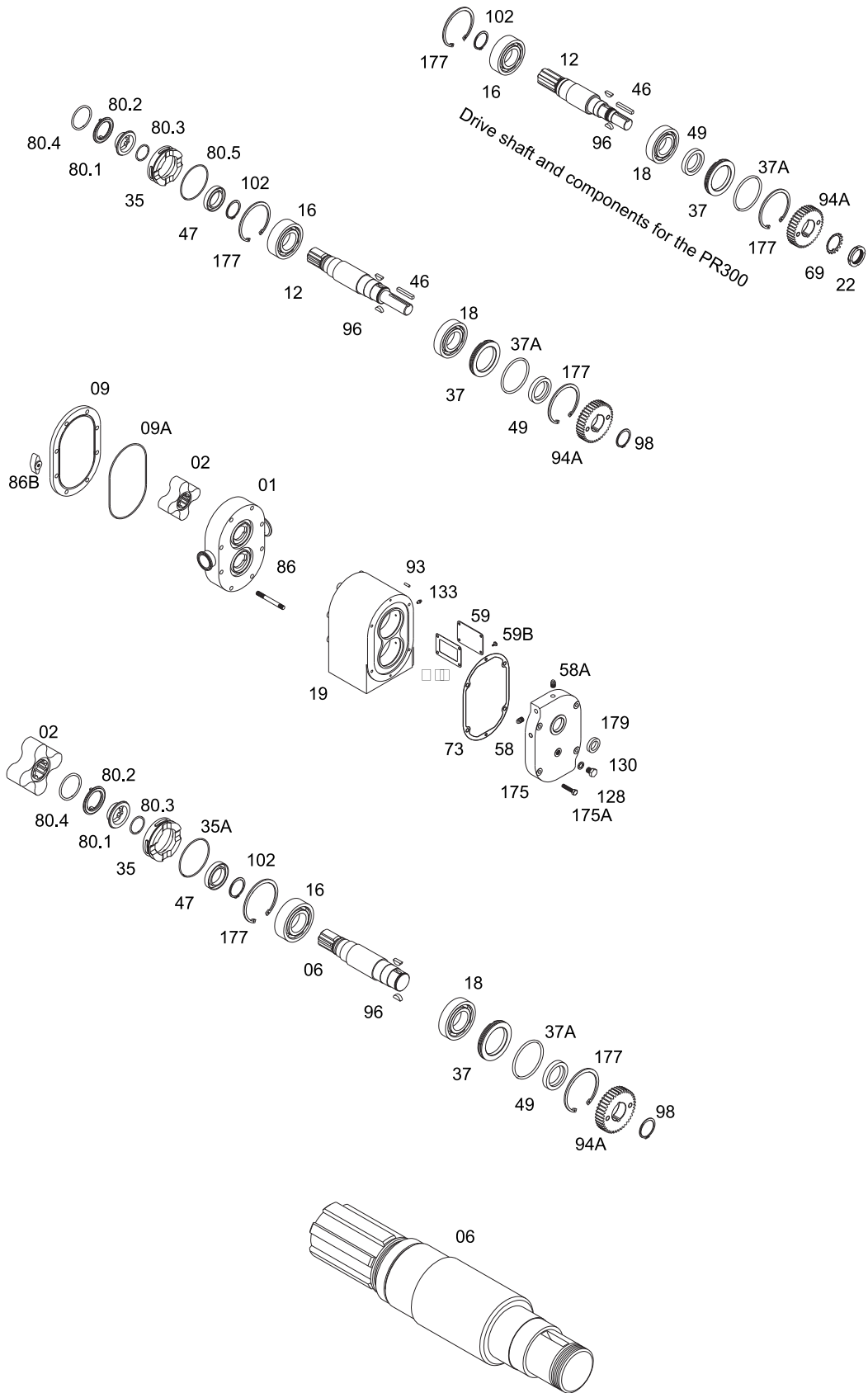
Pos	Qty	Denomination	PRE3	PRE10	PRE25	PRE60	PRE125	PRE300
1	1	Casing . . . . .	Not available	Not available	Not available	Not available	Not available	Not available
2	2	See PR Rotor Sheet . . . . .						
6	1	Pump shaft . . . . .	400709	401405	401941	402701	403394	403729
8	4	Impeller carbon (s.s. rotors)	Not available	401224	401628	402484	402484	403581
9	1	Front cover . . . . .	400506	401269	401568	401568	401568	403572
12	1	Drive shaft . . . . .	400714	401407	401942	402702	403400	403730
16	2	Bearing-inboard . . . . .	400576	401277	401576	402576	403080	403080
18	2	Bearing-outboard . . . . .	400576	401277	401576	401576	401576	403582
19	1	Frame . . . . .	Not available	Not available	Not available	Not available	Not available	Not available
22	2	Locknut . . . . .	Not available	Not available	Not available	Not available	Not available	403586
35	2	Alignment locating ring . . . . .	400726	401410	401944	402700	403409	403732
35A	2	Alignment locating ring O-ring . . . . .	400587	401233	401609	402587	402587	403591
37	2	Bearing cover outboard . . . . .	400586	401233	401586	402586	402586	403590
37A	2	Bearing cover O-ring . . . . .	400587	401233	401587	402587	402587	403591
46	1	Coupling key . . . . .	400588	401239	401588	402588	402588	403592
47	2	Alignment locating ring seal	400592	401240	401592	402592	403096	403596
49	2	Bearing cover seal . . . . .	400592	401240	401596	402592	402592	403600
58	6	Plug . . . . .	181254	185188	185188	185188	185188	185188
58A	6	Vented Plug . . . . .	181255	185189	185189	185189	185189	185189
59	1	Cleanout hole cover . . . . .	400600	401600	401600	402600	402600	402600
59A	1	Cleanout hole gasket . . . . .	400604	401604	401604	402604	402604	402604
59B	4	Cleanout hole screw . . . . .	189643	189643	189643	189643	189643	189643
69	2	Lockwasher . . . . .	Not available	Not available	Not available	Not available	Not available	403610
73	1	Gear cover gasket . . . . .	400608	401248	401608	402608	402608	402608
80.1	2	Wear ring . . . . .	400730	401412	401950	402703	402703	403735
80.2	4	Seal ring . . . . .	400731	401413	401949	402707	402707	401765
80.3	2	Shaft O-ring BUNA . . . . .	400623	401189	401699	402647	402647	403622
	2	Shaft O-ring EPDM . . . . .	400625	400125	400125	402628	402628	400180
	2	Shaft O-ring SFY . . . . .	401508	400895	400895	400538	400538	401619
80.4	4	Shaft O-ring BUNA . . . . .	400615	401245	401842	402472	402472	403631
	4	Shaft O-ring EPDM . . . . .	400628	400126	400055	402631	402631	400181
	4	Shaft O-ring SFY . . . . .	401509	400896	400554	400543	400543	401620
80.5	2	O-Ring (BUNA) . . . . .	755492	755378	755360	402587	402587	403591
86	4	Casing stud . . . . .	400736	401422				
	8	Casing stud . . . . .			401955	402705	402705	403739
86B	4	Casing nut . . . . .	400634	401636				
	8	Casing nut . . . . .			401636	401636	401636	401639
90A	1	Casing gasket BUNA . . . . .	400642	401331	401725	402714	402714	403645
	1	Casing gasket EPDM . . . . .	400639	400127	400056	402642	402642	400182
	1	Casing gasket SFY . . . . .	401510	400897	400555	400547	400547	401622
93	2	Alignment pin . . . . .	400644	401644	401644	402644	402644	402644
94A	2	Timing gear . . . . .	400649	401264	401673	402649	402649	403653
96	4	Timing gear key . . . . .	400656	401292	401656	402656	402656	403660
98	2	Gear retainer ring . . . . .	400652	401310	401652	402652	402652	Not available
102	1	Bearing retainer ring . . . . .	400653	401300	401658	402658	403162	403662
133	4	Grease fitting . . . . .	401660	401660	401660	401660	401660	401660
175	1	Gear cover . . . . .	Not available	Not available	Not available	Not available	Not available	Not available
175A	4	Gear cover screw . . . . .	180314	180025	180009			
	6	Gear cover screw . . . . .				180051	180051	
177	4	Shaft retainer ring . . . . .	400668	401315	401668	402668	402668	403672
179	1	Gear cover seal . . . . .	400672	401317	401672	402672	402672	403676

Parts marked with  $\square\blacklozenge$  are included in the service kits.

1.4



		PRE3	PRE10	PRE25	PRE60	PRE125	PRE300
◆	PRE/PRED-1 Service Kits (for rubber rotors) - BUNA	400252	400253	400254	400255	400255	400257
◆	PRE/PRED-1 Service Kits (for rubber rotors) - EPDM	9613990433	9613990434	400306	9613990436	9613990436	9613990437
◆	PRE/PRED-1 Service Kits (for rubber rotors) -SFY	400956	401490	401846	401996	401996	9613990438
□	PRE/PRED-1A Service Kits (for SS rotors-includes rotor carbons) - BUNA		400265	400266	400267	400267	400269
□	PRE/PRED-1A Service Kits (for SS rotors-includes rotor carbons) - EPDM		9613990439	9613990440	9613990442	9613990442	9613990444
□	PRE/PRED-1A Service Kits (for SS rotors-includes rotor carbons) - SFY		400640	9613990441	9613990443	9613990443	9613990445
		PRED3	PRED10	PRED25	PRED60	PRED125	PRED300
◆	PRE/PRED-1 Service Kits (for rubber rotors) - BUNA	400226	400227	400228	400229	400229	400231
◆	PRE/PRED-1 Service Kits (for rubber rotors) - EPDM	9634600000	9613990446	400421	9613990447	9613990447	9613990448
◆	PRE/PRED-1 Service Kits (for rubber rotors) -SFY	401813	401993	401994	401995	401995	401882
□	PRE/PRED-1A Service Kits (for SS rotors-includes rotor carbons) - BUNA		400233	400234	400235	400235	400237
□	PRE/PRED-1A Service Kits (for SS rotors-includes rotor carbons) - EPDM		9613990449	9613990450	9613990451	9613990451	9613990452
□	PRE/PRED-1A Service Kits (for SS rotors-includes rotor carbons) - SFY		402298	401663	400006	400006	9613990453



Pump shaft for PR300

Pos	Qty	Denomination	PR3	PR10	PR25	PR60	PR125	PR300
1	1	Casing	Not available	Not available	Not available	Not available	Not available	Not available
2	2	See PR Rotor Sheet						
6	1	Pump shaft	400564	401266	401564	402564	403068	403568
8	4	Impeller carbon (s.s. rotors)	Not available	401224	401628	402484	402484	403581
9	1	Front cover	400506	401269	401568	401568	401568	403572
12	1	Drive shaft	400571	401273	401572	402572	403076	403576
16	2	Bearing-inboard	400576	401277	401576	401576	403080	403080
18	2	Bearing-outboard	400576	401277	401576	402576	402576	403582
19	1	Frame	Not available	Not available	Not available	Not available	Not available	Not available
22	2	Locknut	Not available	Not available	Not available	Not available	Not available	403586
35	2	Alignment locating ring	400583	401236	401582	402598	403087	403589
35A	2	Alignment locating ring						
		O-ring	400587	401233	401609	402587	402587	403591
37	2	Bearing cover outboard	400586	401233	401586	402586	402586	403590
37A	2	Bearing cover O-ring	400587	401233	401587	402587	402587	403591
46	1	Coupling key	400588	401239	401588	402588	402588	403592
47	2	Alignment locating ring seal	400592	401240	401592	402592	403096	403596
49	2	Bearing cover seal	400592	401240	401596	402592	402592	403600
58	6	Plug	181254	185188	185188	185188	185188	185188
58A	6	Vented Plug	181255	185189	185189	185189	185189	185189
59	1	Cleanout hole cover	400600	401600	401600	402600	402600	402600
59A	1	Cleanout hole gasket	400604	401604	401604	402604	402604	402604
59B	4	Cleanout hole screw	189643	189643	189643	189643	189643	189643
69	2	Lockwasher	Not available	Not available	Not available	Not available	Not available	403610
73	1	Gear cover gasket	400608	401248	401608	402608	402608	403612
80.1	2	Wear ring	400616	401250	401616	402616	402616	403620
80.2	4	Seal ring	400620	401241	401621	402621	402621	403624
80.3	2	Shaft O-ring BUNA	400623	401189	401699	402647	402647	403622
	2	Shaft O-ring EPDM	400625	400125	400125	402628	402628	400180
	2	Shaft O-ring SFY	401508	400895	400895	400538	400538	401619
80.4	4	Shaft O-ring BUNA	400615	401245	401842	402472	402472	403631
	4	Shaft O-ring EPDM	400628	400126	400055	402631	402631	400181
	4	Shaft O-ring SFY	401509	400896	400554	400543	400543	401620
86	4	Casing stud	400632	401253				
	8	Casing stud			401632	402632	402632	403636
86B	4	Casing nut	400634	401636				
	8	Casing nut			401636	401636	401636	401639
90A	1	Casing gasket BUNA	400642	401331	401725	402714	402714	403645
	1	Casing gasket EPDM	400639	400127	400056	402642	402642	400182
	1	Casing gasket SFY	401510	400897	400555	400547	400547	401622
93	2	Alignment pin	400644	401644	401644	402644	402644	402644
94A	2	Timing gear	400649	401264	401673	402649	402649	403653
96	4	Timing gear key	400656	401292	401656	402656	402656	403660
98	2	Gear retainer ring	400652	401310	401652	402652	402652	Not available
102	1	Bearing retainer ring	400653	401300	401658	402658	403162	403662
133	4	Grease fitting	401660	401660	401660	401660	401660	401660
175	1	Gear cover	400664	401313	401664	402664	402664	403668
175A	4	Gear cover screw	180314	180025	180009			
	6	Gear cover screw				180051	180051	
	8	Gear cover screw						180051
177	4	Shaft retainer ring	400668	401315	401668	402668	402668	403672
179	1	Gear cover seal	400672	401317	401672	402672	402672	403676

Parts marked with  $\square\blacklozenge$  are included in the service kits.

		PRE3	PRE10	PRE25	PRE60	PRE125	PRE300
$\blacklozenge$	PR-1 Service Kits (for rubber rotors) - BUNA	400199	400200	400201	400202	400202	400204
$\blacklozenge$	PR-1 Service Kits (for rubber rotors) - EPDM	9634052419	9613990426	400662	402139	402139	9613990429
$\blacklozenge$	PR-1 Service Kits (for rubber rotors) - SFY	401812	401779	401669	402063	402063	400707
$\square$	PR-1A Service Kits (for SS rotors-includes rotor carbons) - BUNA		400206	400207	400208	400208	400210
$\square$	PR-1A Service Kits (for SS rotors-includes rotor carbons) - EPDM		9613990430	400404	9613990431	9613990431	9613990432
$\square$	PR-1A Service Kits (for SS rotors-includes rotor carbons) - SFY		401780	400344	402361	402361	400351

1.4

Pos	Qty	Denomination	PR3	PR10	PR25	PR60	PR125	PR300
2	2	6-lobe cold BUNA drive . . .	*					
	2	6-lobe cold EPDM drive . . .	*					
	2	6-lobe cold SFY drive . . . . .	*					
	2	6-lobe hot BUNA drive . . . . .	*					
	2	6-lobe hot EPDM drive . . . . .	*					
	2	6-lobe hot SFY drive . . . . .	*					
	2	6-lobe cold BUNA pump . . . . .	*					
	2	6-lobe cold EPDM pump . . . . .	*					
	2	6-lobe cold SFY pump . . . . .	*					
	2	6-lobe hot BUNA pump . . . . .	*					
	2	6-lobe hot EPDM pump . . . . .	*					
	2	6-lobe hot SFY pump . . . . .	*					
	2	4-lobe cold BUNA . . . . .		*	*	*	*	*
	2	4-lobe cold EPDM . . . . .		*	*	*	*	*
	2	4-lobe cold SFY . . . . .		*	*	*	*	*
	2	4-lobe cold T Resin . . . . .		*	*	*	*	*
	2	4-lobe hot BUNA . . . . .		*	*	*	*	*
	2	4-lobe hot EPDM . . . . .		*	*	*	*	*
	2	4-lobe hot SFY . . . . .		*	*	*	*	*
	2	4-lobe hot T Resin . . . . .		*	*	*	*	*
	2	4-lobe hot hot BUNA . . . . .		*	*	*	*	*
	2	4-lobe hot hot SFY . . . . .		*	*	*	*	*
	2	4-lobe metal . . . . .		*	*	*	*	*
	1	2-lobe cold BUNA drive . . . . .		*	*	*	*	*
	1	2-lobe cold SFY drive . . . . .		*	*	*	*	*
	1	2-lobe hot BUNA drive . . . . .		*	*	*	*	*
	1	2-lobe hot SFY drive . . . . .		*	*	*	*	*
	1	2-lobe cold BUNA pump . . . . .		*	*	*	*	*
	1	2-lobe cold SFY pump . . . . .		*	*	*	*	*
	1	2-lobe hot BUNA pump . . . . .		*	*	*	*	*
	1	2-lobe hot SFY pump . . . . .		*	*	*	*	*
	1	2-lobe metal drive . . . . .		*	*	*	*	*
	1	2-lobe metal pump . . . . .		*	*	*	*	*

\*Contact Alfa Laval





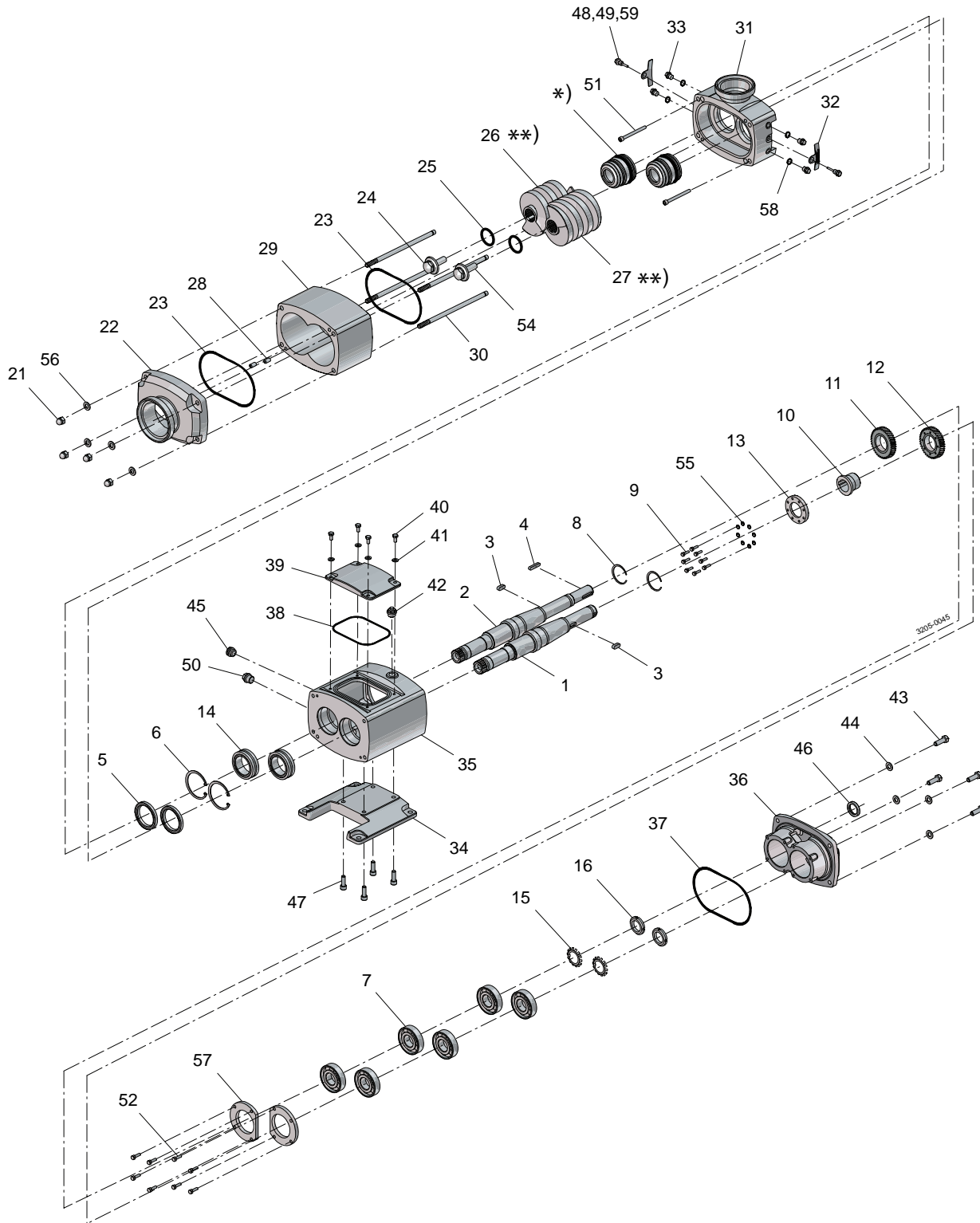
# 1.5 Twin Screw Pumps

Designed for process flexibility, the Alfa Laval Twin Screw Pump is built on a robust, reliable platform that meets stringent hygienic standards. It is capable of handling both product transfer and Cleaning-in-Place (CIP).



## Spare parts

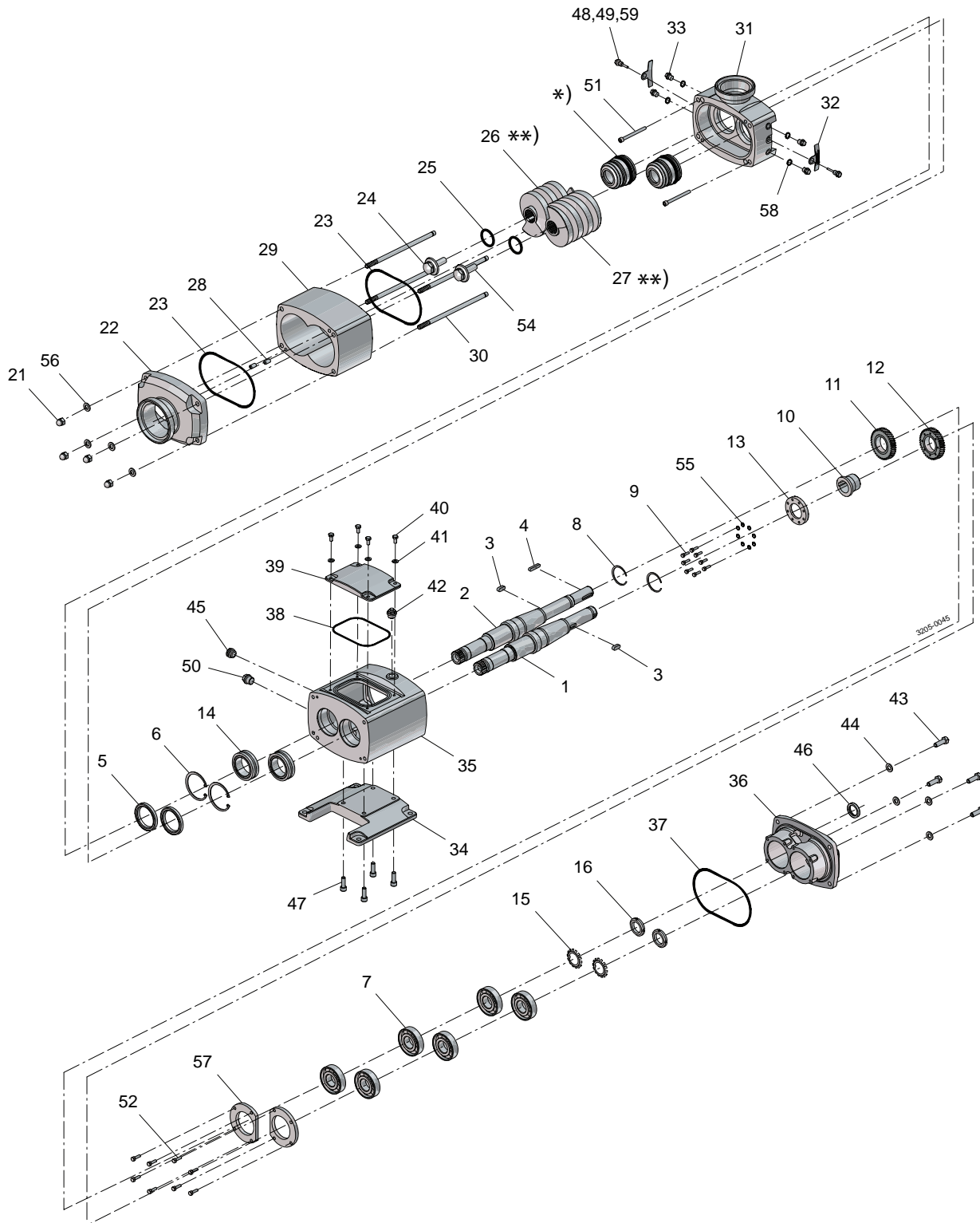
OS 12-14-16 Twin Screw Pump Range	1.5.930
OS 22-24-26 Twin Screw Pump Range	1.5.934
OS 32-34-36 Twin Screw Pump Range	1.5.938
OS 42-44-46 Twin Screw Pump Range	1.5.942
Cartridge Seal	1.5.946
Twin Screw Pump Range - Single Seal	1.5.948
Twin Screw Pump Range - Single Flushed Seal	1.5.954
Twin Screw Pump Range - Double Seal	1.5.958
Twin Screw Service Kits	1.5.962



Pos	Qty	Denomination	Item no. OS12	Item no. OS14	Item no. OS16
01	1	Auxiliary Shaft	9650100101	9650100101	9650100101
02	1	Drive Shaft	9650100201	9650100201	9650100201
03	1	Gear Key	9650100301	9650100301	9650100301
04	1	Drive Shaft Key	9650100401	9650100401	9650100401
05 Δ	2	Front Lip Seal	9650100501	9650100501	9650100501
06	2	Circlip	9650100601	9650100601	9650100601
07	6	Bearing	9650100701	9650100701	9650100701
08	2	Circlip	9650100801	9650100801	9650100801
09	8	Gear Sleeve Bolts	9650100901	9650100901	9650100901
10	1	Gear Sleeve	9650101001	9650101001	9650101001
11	1	Timing Gear, Drive Shaft	9650101101	9650101101	9650101101
12	1	Timing Gear, Auxiliary Shaft	9650101201	9650101201	9650101201
13	1	Timing Gear, Clamp Plate	9650101301	9650101301	9650101301
14	2	Bearing	9650101401	9650101401	9650101401
15	2	Tab Washer	9650101501	9650101501	9650101501
16	2	Bearing Nut	9650101601	9650101601	9650101601
21	4	Pump Cover Nut	9650102101	9650102101	9650102101
22	1	Pump Cover, DIN11851 80mm	9650102201	9650102201	9650102201
	1	Pump Cover, DIN11851 65mm	9650102202	9650102202	9650102202
	1	Pump Cover , DIN11851 50mm	9650102203	9650102203	9650102203
	1	Pump Cover, Tri-Clamp 80mm	9650102204	9650102204	9650102204
	1	Pump Cover, Tri-Clamp 65mm	9650102205	9650102205	9650102205
	1	Pump Cover, Tri-Clamp 50mm	9650102206	9650102206	9650102206
	1	Pump Cover , RJT 80mm	9650102207	9650102207	9650102207
	1	Pump Cover , RJT 65mm	9650102208	9650102208	9650102208
	1	Pump Cover, RJT 50mm	9650102209	9650102209	9650102209
	1	Pump Cover, SMS 80mm	9650102210	9650102210	9650102210
	1	Pump Cover, SMS 65mm	9650102211	9650102211	9650102211
	1	Pump Cover, SMS 50mm	9650102212	9650102212	9650102212
	1	Pump Cover , IDF 80mm	9650102213	9650102213	9650102213
	1	Pump Cover, IDF 65mm	9650102214	9650102214	9650102214
	1	Pump Cover, IDF 50mm	9650102215	9650102215	9650102215
	1	Pump Cover , DIN11864-1-A 80mm	9650102216	9650102216	9650102216
	1	Pump Cover , DIN11864-1-A 65mm	9650102217	9650102217	9650102217
	1	Pump Cover, DIN11864-1-A 50mm	9650102218	9650102218	9650102218
	1	Pump Cover, DIN11864-1-C 80mm	9650102219	9650102219	9650102219
	1	Pump Cover, DIN11864-1-C 65mm	9650102220	9650102220	9650102220
	1	Pump Cover, DIN11864-1-C 50mm	9650102221	9650102221	9650102221
	1	Pump Cover, DIN11864-2-A 80mm	9650102222	9650102222	9650102222
	1	Pump Cover, DIN11864-2-A 65mm	9650102223	9650102223	9650102223
	1	Pump Cover, DIN11864-2-A 50mm	9650102224	9650102224	9650102224
	1	Pump Cover , DIN11864-2-C 80mm	9650102225	9650102225	9650102225
	1	Pump Cover, DIN11864-2-C 65mm	9650102226	9650102226	9650102226
	1	Pump Cover, DIN11864-2-C 50mm	9650102227	9650102227	9650102227
	1	Pump Cover, Rectangular	9650102299	9650102299	9650102299
23 ▲	2	Pump Casing, Elastomer EPDM	9650102301	9650102301	9650102301
	2	Pump Casing, Elastomer FPM	9650102302	9650102302	9650102302
	2	Pump Casing, Elastomer FFPM	9650102303	9650102303	9650102303
24	2	Feed Screw Nut	9650102401	9650102401	9650102401
25 ▲	2	Feed Screw, Elastomer EPDM	9650202501	9650202501	9650202501
	2	Feed Screw, Elastomer FPM	9650202502	9650202502	9650202502
	2	Feed Screw, Elastomer FFPM	9650202503	9650202503	9650202503
26	1	Feed Screw, Left Standard	9650122601	9650142601	9650162601
	1	Feed Screw, Left Hardened	9650122602	9650142602	9650162602
27	1	Feed Screw, Right Standard	9650122701	9650142701	9650162701
	1	Feed Screw, Right Hardened	9650122702	9650142702	9650162702
28	6	Pump Casing, Dowels	9650002801	9650002801	9650002801
29	1	Pump Casing, Hardened	9650102901	9650102901	9650102901
	1	Pump Casing, Hardened For Heating Jacket	9650102903	9650102903	9650102903

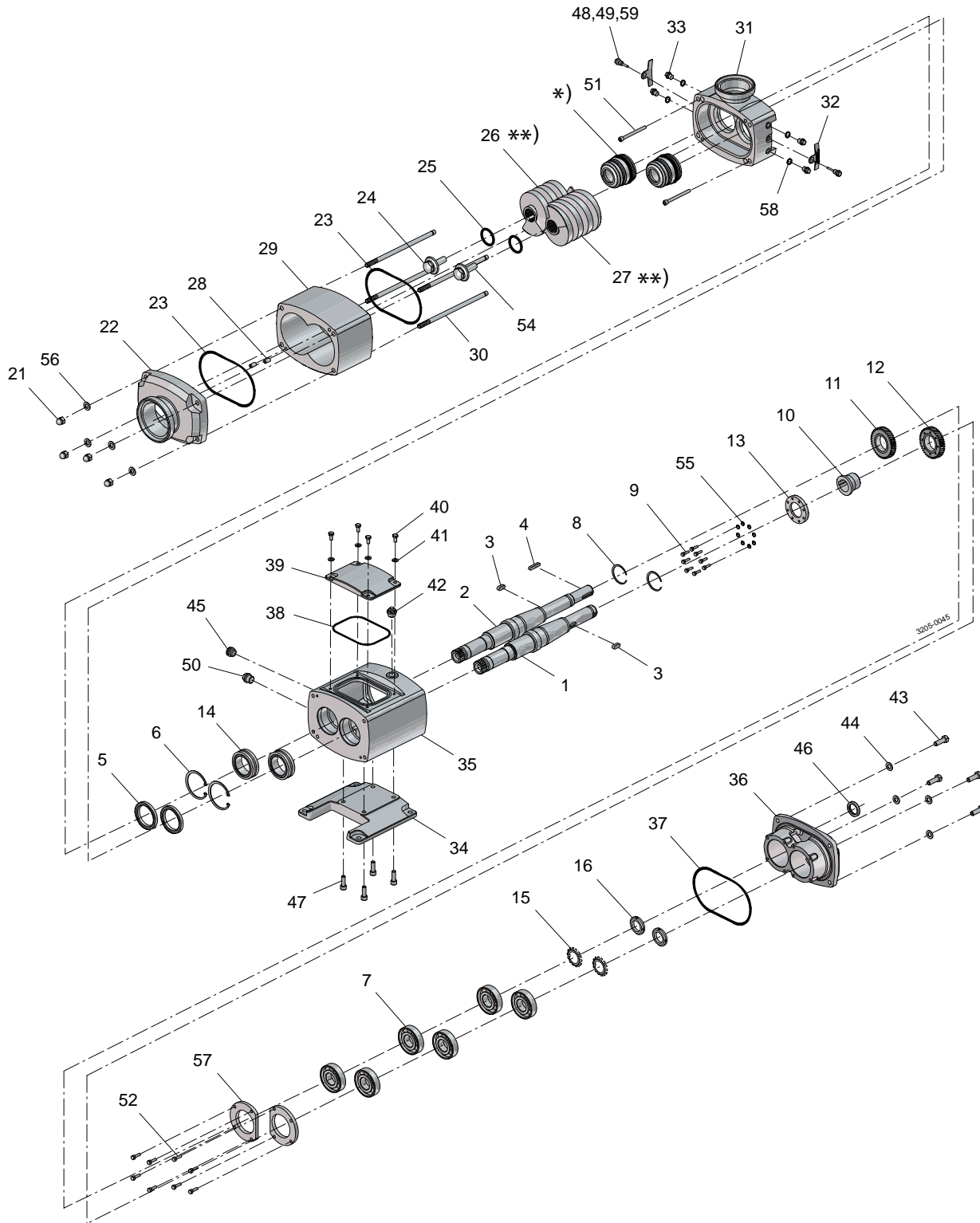


Pos	Qty	Denomination	Item no. OS12	Item no. OS14	Item no. OS16
30	4	Pump Casing Studs	9650103001	9650103001	9650103001
31	1	Seal Housing, DIN11851 65mm	9650103101	9650103101	9650103101
	1	Seal Housing, DIN11851 50mm	9650103102	9650103102	9650103102
	1	Seal Housing, DIN11851 40mm	9650103103	9650103103	9650103103
	1	Seal Housing, Tri-Clamp 65mm	9650103104	9650103104	9650103104
	1	Seal Housing, Tri-Clamp 50mm	9650103105	9650103105	9650103105
	1	Seal Housing, Tri-Clamp 40mm	9650103106	9650103106	9650103106
	1	Seal Housing, RJT 65mm	9650103107	9650103107	9650103107
	1	Seal Housing, RJT 50mm	9650103108	9650103108	9650103108
	1	Seal Housing, RJT 40mm	9650103109	9650103109	9650103109
	1	Seal Housing, SMS 65mm	9650103110	9650103110	9650103110
	1	Seal Housing, SMS 50mm	9650103111	9650103111	9650103111
	1	Seal Housing, SMS 40mm	9650103112	9650103112	9650103112
	1	Seal Housing, IDF 65mm	9650103113	9650103113	9650103113
	1	Seal Housing, IDF 50mm	9650103114	9650103114	9650103114
	1	Seal Housing, IDF 40mm	9650103115	9650103115	9650103115
	1	Seal Housing, DIN11864-1-A 65mm	9650103116	9650103116	9650103116
	1	Seal Housing, DIN11864-1-A 50mm	9650103117	9650103117	9650103117
	1	Seal Housing, DIN11864-1-A 40mm	9650103118	9650103118	9650103118
	1	Seal Housing, DIN11864-1-C 65mm	9650103119	9650103119	9650103119
	1	Seal Housing, DIN11864-1-C 50mm	9650103120	9650103120	9650103120
	1	Seal Housing, DIN11864-1-C 40mm	9650103121	9650103121	9650103121
	1	Seal Housing, DIN11864-2-A 65mm	9650103122	9650103122	9650103122
	1	Seal Housing, DIN11864-2-A 50mm	9650103123	9650103123	9650103123
	1	Seal Housing, DIN11864-2-A 40mm	9650103124	9650103124	9650103124
	1	Seal Housing, DIN11864-2-C 65mm	9650103125	9650103125	9650103125
	1	Seal Housing, DIN11864-2-C 50mm	9650103126	9650103126	9650103126
	1	Seal Housing, DIN11864-2-C 40mm	9650103127	9650103127	9650103127
32	2	Gland Guard	9650103201	9650103201	9650103201
33	4	Flush Plugs	9650103301	9650103301	9650103301
	4	Flush Caps	9650103302	9650103302	9650103302
34	1	Foot	9650103401	9650103401	9650103401
35	1	Gearbox	9650103501	9650103501	9650103501
36	1	Gearbox End Cover	9650103601	9650103601	9650103601
37 Δ	1	Gearbox End Cover, O Ring	9650103701	9650103701	9650103701
38 Δ	1	Gearbox Top Cover, O Ring	9650103801	9650103801	9650103801
39	1	Gearbox Top Cover	9650103901	9650103901	9650103901
40	4	Gearbox Top Cover, Bolts	9650004001	9650004001	9650004001
41	4	Gearbox Top Cover, Washers	9650004101	9650004101	9650004101
42	1	Filler Plug	9650004201	9650004201	9650004201
43	4	Gearbox, End Cover Bolts	9650104301	9650104301	9650104301
44	4	Gearbox, End Cover Washers	9650204401	9650204401	9650204401
45	1	Sight Glass	9650004501	9650004501	9650004501
46 Δ	1	Rear Lip Seal	9650104601	9650104601	9650104601
47	4	Gearbox Foot Screw	9650104701	9650104701	9650104701
48	2	Gland Guard, Plug	9650004801	9650004801	9650004801
49	2	Seal Pin	9650104901	9650104901	9650104901
50	1	Washer Gearbox, Plug	9650005001	9650005001	9650005001
51	2	Cap screw	9650105101	9650105101	9650105101
52	8	Hex bolt	9650105201	9650105201	9650105201
54	2	Stud bolt	9650105401	9650105401	9650105401
55	1	Washer	9650105501	9650105501	9650105501
56	4	Washer	9650204401	9650204401	9650204401
57	2	Bearing Retainer	9650105701	9650105701	9650105701
58	4	Washer Seal Ring	9650005801	9650005801	9650005801
59 ▲	2	Gland Guard Screw, O Ring FPM	9650005901	9650005901	9650005901
60	2	Heating Pipe Union, - Not Shown	9650306001	9650306001	9650306001
61	2	Heating Pipe Elbow, - Not Shown	9650306101	9650306101	9650306101
62	1	Heating Pipe, - Not Shown	9650106201	9650106201	9650106201



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

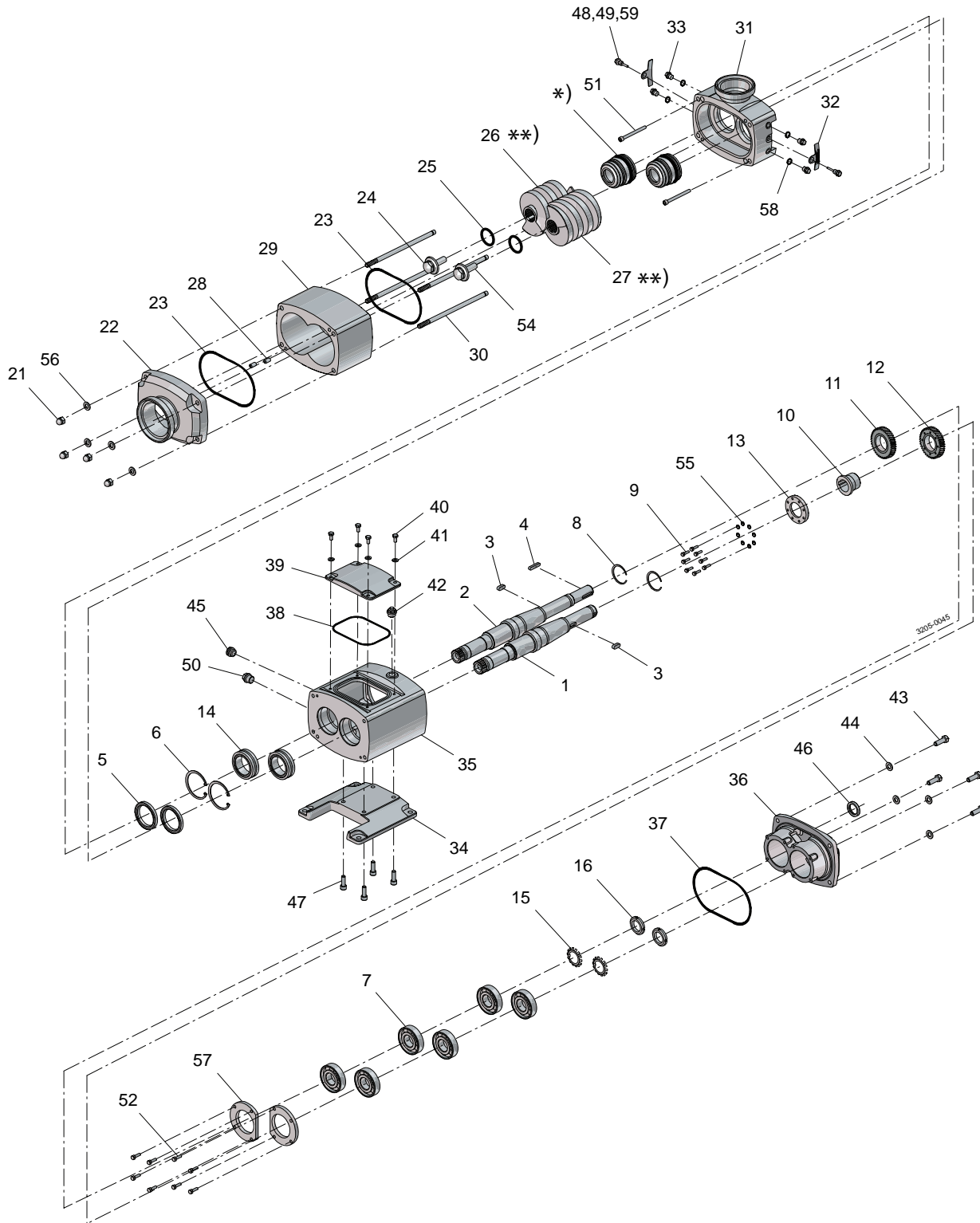
Pos	Qty	Denomination	Item no. OS22	Item no. OS24	Item no. OS26
1	1	Auxiliary Shaft	9650200101	9650200101	9650200101
2	1	Drive Shaft	9650200201	9650200201	9650200201
3	1	Gear Key	9650200301	9650200301	9650200301
4	1	Drive Shaft Key	9650200401	9650200401	9650200401
5	Δ 2	Front Lip Seal	9650200501	9650200501	9650200501
6	2	Circlip	9650200601	9650200601	9650200601
7	6	Ball Bearing	9650200701	9650200701	9650200701
8	2	Circlip	9650200801	9650200801	9650200801
9	8	Gear Sleeve Bolts	9650200901	9650200901	9650200901
10	1	Gear Sleeve	9650201001	9650201001	9650201001
11	1	Timing Gear Drive Shaft	9650201101	9650201101	9650201101
12	1	Timing Gear Auxilliary Shaft	9650201201	9650201201	9650201201
13	1	Timing Gear Clamp Plate	9650201301	9650201301	9650201301
14	2	Needle Bearing	9650201401	9650201401	9650201401
15	2	Tab Washer	9650201501	9650201501	9650201501
16	2	Bearing Nut	9650201601	9650201601	9650201601
21	4	Front Cover Nut	9650202101	9650202101	9650202101
22	1	Pump Cover, DIN11851 80mm	9650202201	9650202201	9650202201
	1	Front Cover, DIN11851 65m	9650202202	9650202202	9650202202
	1	Pump Cover, DIN11851 50mm	9650202203	9650202203	9650202203
	1	Pump Cover, Tri-Clamp 80m	9650202204	9650202204	9650202204
	1	Pump Cover, Tri-Clamp 65mm	9650202205	9650202205	9650202205
	1	Pump Cover, Tri-Clam 50mm	9650202206	9650202206	9650202206
	1	Pump Cover, RJT 80mm	9650202207	9650202207	9650202207
	1	Pump Cover, RJT 65mm	9650202208	9650202208	9650202208
	1	Pump Cover, RJT 50mm	9650202209	9650202209	9650202209
	1	Pump Cover, SMS 80mm	9650202210	9650202210	9650202210
	1	Pump Cover, SMS 65mm	9650202211	9650202211	9650202211
	1	Pump Cover, SMS 50mm	9650202212	9650202212	9650202212
	1	Pump Cover, IDF 80mm	9650202213	9650202213	9650202213
	1	Pump Cover, IDF 65mm	9650202214	9650202214	9650202214
	1	Pump Cover, IDF 50mm	9650202215	9650202215	9650202215
	1	Pump Cover, DIN11864-1-A 80mm	9650202216	9650202216	9650202216
	1	Pump Cover, DIN11864-1-A 65mm	9650202217	9650202217	9650202217
	1	Pump Cover, DIN11864-1-A 50mm	9650202218	9650202218	9650202218
	1	Pump Cover, DIN11864-1-C 80mm	9650202219	9650202219	9650202219
	1	Pump Cover, DIN11864-1-C 65mm	9650202220	9650202220	9650202220
	1	Pump Cover, DIN11864-1-C 50mm	9650202221	9650202221	9650202221
	1	Pump Cover, DIN11864-2-A 80mm	9650202222	9650202222	9650202222
	1	Pump Cover, DIN11864-2-A 65mm	9650202223	9650202223	9650202223
	1	Pump Cover, DIN11864-2-A 50mm	9650202224	9650202224	9650202224
	1	Pump Cover, DIN11864-2-C 80mm	9650202225	9650202225	9650202225
	1	Pump Cover, DIN11864-2-C 65mm	9650202226	9650202226	9650202226
	1	Pump Cover, DIN11864-2-C 50mm	9650202227	9650202227	9650202227
	1	Pump Cover, Rectangular	9650202299	9650202299	9650202299
23	▲ 2	Pump Casing Elastomer, EPDM	9650202301	9650202301	9650202301
	2	Pump Casing Elastomer, FPM	9650202302	9650202302	9650202302
	2	Pump Casing Elastomer, FPPM	9650202303	9650202303	9650202303
24	2	Feed Screw Nut	9650202401	9650202401	9650202401
25	▲ 2	Feed Screw Elastomer, EPDM	9650202501	9650202501	9650202501
	2	Feed Screw Elastomer, FPM	9650202502	9650202502	9650202502
	2	Feed Screw Elastomer, FPPM	9650202503	9650202503	9650202503
26	1	Feed Screw, Left Stanard	9650222601	9650242601	9650262601
	1	Feed Screw, Left Hardened	9650222602	9650242602	9650262602
27	1	Feed Screw, Right Standard	9650222701	9650242701	9650262701
	1	Feed Screw, Right Hardened	9650222702	9650242702	9650262702
28	6	Pump Casing Dowels	9650002801	9650002801	9650002801
29	1	Pump Casing, Hardened	9650202901	9650202901	9650202901
	1	Pump Casing, Hardened For Heating Jacket	9650202903	9650202903	9650202903



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

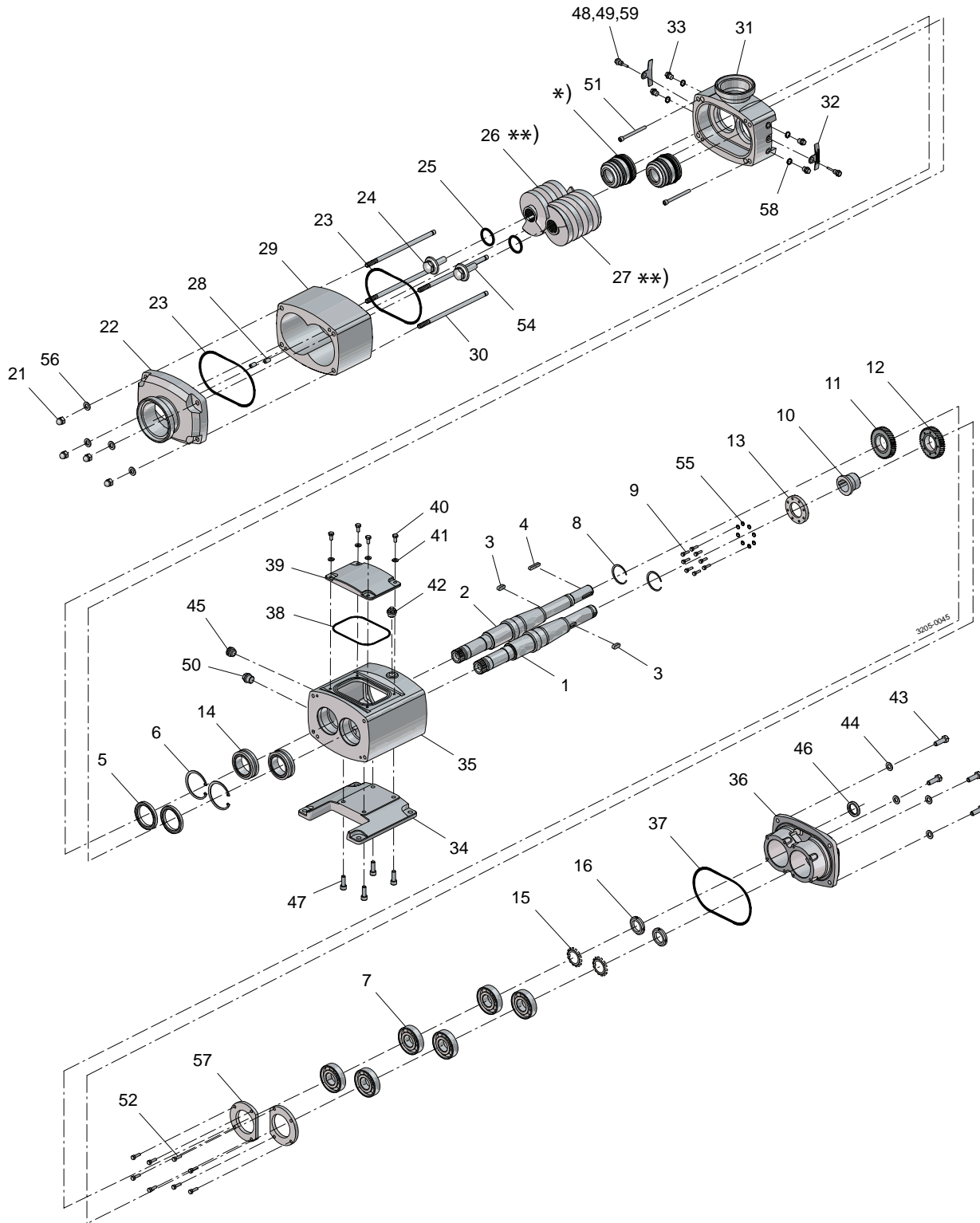


Pos	Qty	Denomination	Item no. OS22	Item no. OS24	Item no. OS26
30	4	Pump Casing Studs, M10x200	9650203001	9650203001	9650203001
31	1	Seal Housing, DIN11851 65mm	9650203101	9650203101	9650203101
	1	Seal Housing, DIN11851 50mm	9650203102	9650203102	9650203102
	1	Seal Housing, DIN11851 40mm	9650203103	9650203103	9650203103
	1	Seal Housing, Tri-Clamp 65mm	9650203104	9650203104	9650203104
	1	Seal Housing, Tri-Clamp 50mm	9650203105	9650203105	9650203105
	1	Seal Housing, Tri-Clamp 40mm	9650203106	9650203106	9650203106
	1	Seal Housing, RJT 65mm	9650203107	9650203107	9650203107
	1	Seal Housing, RJT 50mm	9650203108	9650203108	9650203108
	1	Seal Housing, RJT 40mm	9650203109	9650203109	9650203109
	1	Seal Housing, SMS 65mm	9650203110	9650203110	9650203110
	1	Seal Housing, SMS 50mm	9650203111	9650203111	9650203111
	1	Seal Housing, SMS 40mm	9650203112	9650203112	9650203112
	1	Seal Housing, IDF 65mm	9650203113	9650203113	9650203113
	1	Seal Housing, IDF 50mm	9650203114	9650203114	9650203114
	1	Seal Housing, IDF 40mm	9650203115	9650203115	9650203115
	1	Seal Housing, DIN11864-1-A 65mm	9650203116	9650203116	9650203116
	1	Seal Housing, DIN11864-1-A 50mm	9650203117	9650203117	9650203117
	1	Seal Housing, DIN11864-1-A 40mm	9650203118	9650203118	9650203118
	1	Seal Housing, DIN11864-1-C 65mm	9650203119	9650203119	9650203119
	1	Seal Housing, DIN11864-1-C 50mm	9650203120	9650203120	9650203120
	1	Seal Housing, DIN11864-1-C 40mm	9650203121	9650203121	9650203121
	1	Seal Housing, DIN11864-2-A 65mm	9650203122	9650203122	9650203122
	1	Seal Housing, DIN11864-2-A 50mm	9650203123	9650203123	9650203123
	1	Seal Housing, DIN11864-2-A 40mm	9650203124	9650203124	9650203124
	1	Seal Housing, DIN11864-2-C 65mm	9650203125	9650203125	9650203125
	1	Seal Housing, DIN11864-2-C 50mm	9650203126	9650203126	9650203126
	1	Seal Housing, DIN11864-2-C 40mm	9650203127	9650203127	9650203127
32	2	Gland Guard	9650203201	9650203201	9650203201
33	4	Flush Plugs	9650203301	9650203301	9650203301
	4	Flush Caps	9650203302	9650203302	9650203302
34	1	Foot	9650203401	9650203401	9650203401
35	1	Gearbox	9650203501	9650203501	9650203501
36	1	Gearbox End Cover	9650203601	9650203601	9650203601
37 Δ	1	Gearbox End Cover O-Ring	9650203701	9650203701	9650203701
38 Δ	1	Gearbox Top Cover O-Ring	9650203801	9650203801	9650203801
39	1	Gearbox Top Cover	9650203901	9650203901	9650203901
40	4	Gearbox Top Cover Bolts	9650004001	9650004001	9650004001
41	4	Gearbox Top Cover Washers	9650004101	9650004101	9650004101
42	1	Filler Plug	9650004201	9650004201	9650004201
43	4	Gearbox End Cover Bolts	9650204301	9650204301	9650204301
44	4	Gearbox End Cover Washers	9650204401	9650204401	9650204401
45	1	Sight Glass	9650004501	9650004501	9650004501
46 Δ	1	Rear Lip Seal	9650204601	9650204601	9650204601
47	4	Gearbox Foot Screw	9650204701	9650204701	9650204701
48	2	Gland Guard Plug	9650004801	9650004801	9650004801
49	2	Seal Pin	9650204901	9650204901	9650204901
50	1	Washer Gearbox Plug	9650005001	9650005001	9650005001
51	2	Cap Screw	9650205101	9650205101	9650205101
52	8	Hex Bolt	9650205201	9650205201	9650205201
54	2	Stud bolt	9650205401	9650205401	9650205401
55	1	Washer	9650205501	9650205501	9650205501
56	4	Washer	9650204401	9650204401	9650204401
57	2	Bearing Retainer	9650205701	9650205701	9650205701
58	4	Washer Seal Ring	9650005801	9650005801	9650005801
59 ▲	2	Gland Guard Screw O Ring, FPM	9650005901	9650005901	9650005901
60	2	Heating Pipe Union - Not shown	9650306001	9650306001	9650306001
61	2	Heating Pipe Elbow - Not shown	9650306101	9650306101	9650306101
62	1	Heating Pipe - Not shown	9650206201	9650206201	9650206201



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

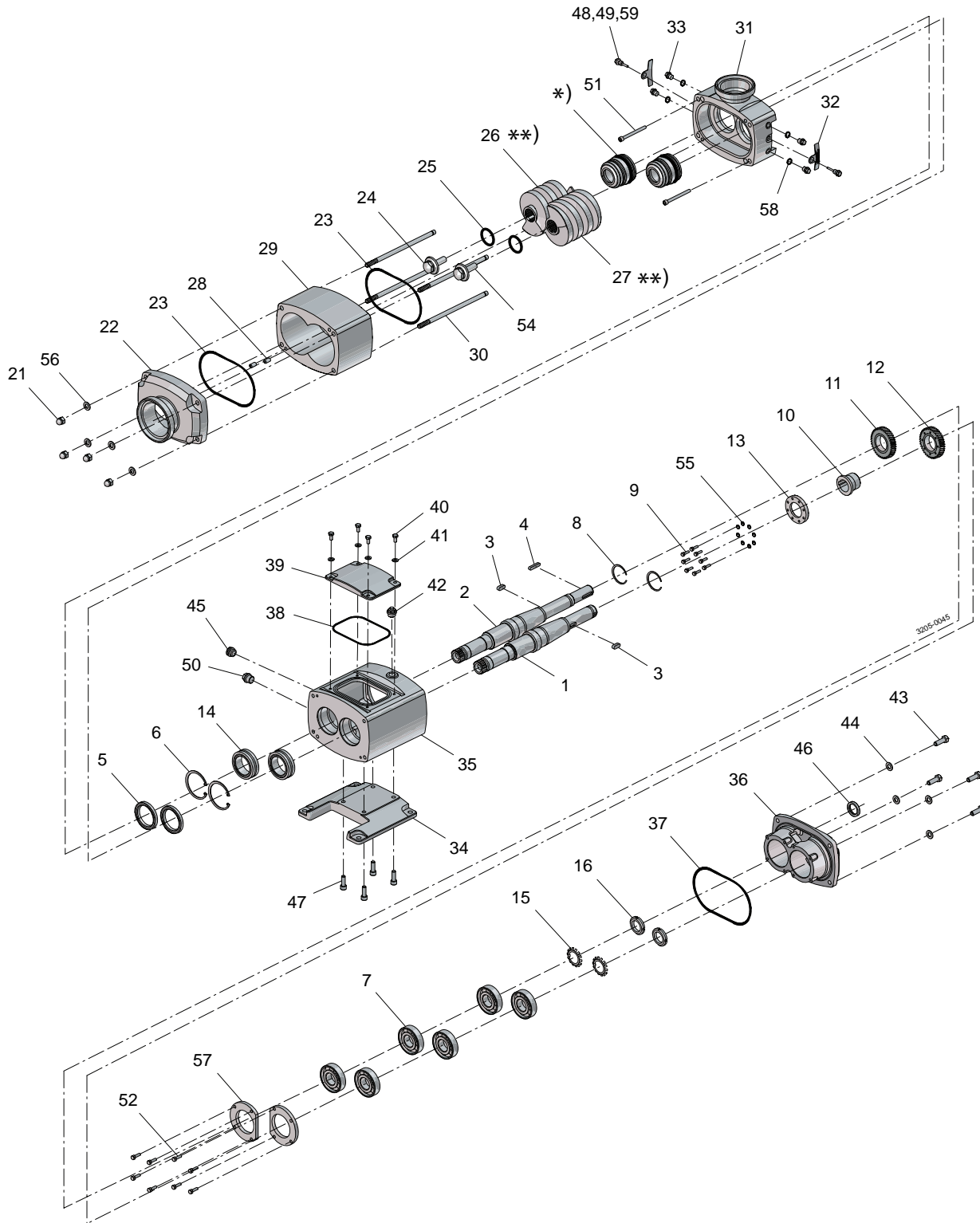
Pos	Qty	Denomination	Item no. OS32	Item no. OS34	Item no. OS36
1	1	Auxiliary Shaft	9650300101	9650300101	9650300101
2	1	Drive Shaft	9650300201	9650300201	9650300201
3	1	Gear Key	9650300301	9650300301	9650300301
4	1	Drive Shaft Key	9650300401	9650300401	9650300401
5	2	Front Lip Seal	9650300501	9650300501	9650300501
6	2	Circlip	9650300601	9650300601	9650300601
7	6	Ball Bearing	9650300701	9650300701	9650300701
8	2	Circlip	9650300801	9650300801	9650300801
9	8	Gear Sleeve Bolts	9650300901	9650300901	9650300901
10	1	Gear Sleeve	9650301001	9650301001	9650301001
11	1	Timing Gear Drive Shaft	9650301101	9650301101	9650301101
12	1	Timing Gear Auxiliary Shaft	9650301201	9650301201	9650301201
13	1	Bearing Retainer	9650301301	9650301301	9650301301
14	2	Needle Bearing	9650301401	9650301401	9650301401
15	2	Tab Washer	9650301501	9650301501	9650301501
16	2	Bearing Nut	9650301601	9650301601	9650301601
21	4	Pump Cover Nuts	9650302101	9650302101	9650302101
22	1	Pump Cover, DIN11851 100mm	9650302201	9650302201	9650302201
	1	Pump Cover, DIN11851 80mm	9650302202	9650302202	9650302202
	1	Pump Cover, Tri-Clamp 100mm	9650302203	9650302203	9650302203
	1	Pump Cover, Tri-Clamp 80mm	9650302204	9650302204	9650302204
	1	Pump Cover, RJT 100mm	9650302205	9650302205	9650302205
	1	Pump Cover, RJT 80mm	9650302206	9650302206	9650302206
	1	Pump Cover, SMS 100mm	9650302207	9650302207	9650302207
	1	Pump Cover, SMS 80mm	9650302208	9650302208	9650302208
	1	Pump Cover, IDF 100mm	9650302209	9650302209	9650302209
	1	Pump Cover, IDF 80mm	9650302210	9650302210	9650302210
	1	Pump Cover, DIN11864-1-A 100mm	9650302211	9650302211	9650302211
	1	Pump Cover, DIN11864-1-A 80mm	9650302212	9650302212	9650302212
	1	Pump Cover, DIN11864-1-C 100mm	9650302213	9650302213	9650302213
	1	Pump Cover, DIN11864-1-C 80mm	9650302214	9650302214	9650302214
	1	Pump Cover, DIN11864-2-A 100mm	9650302215	9650302215	9650302215
	1	Pump Cover, DIN11864-2-A 80mm	9650302216	9650302216	9650302216
	1	Pump Cover, DIN11864-2-C 100mm	9650302217	9650302217	9650302217
	1	Pump Cover, DIN11864-2-C 80mm	9650302218	9650302218	9650302218
	1	Pump Cover, Rectangular	9650302299	9650302299	9650302299
23	2	Pump Casing Elastomer, EPDM	9650302301	9650302301	9650302301
	2	Pump Casing Elastomer, FPM	9650302302	9650302302	9650302302
	2	Pump Casing Elastomer, FFPM	9650302303	9650302303	9650302303
24	2	Feed Screw Nut	9650302401	9650302401	9650302401
25	2	Feed Screw Elastomer, EPDM	9650302501	9650302501	9650302501
	2	Feed Screw Elastomer, FPM	9650302502	9650302502	9650302502
	2	Feed Screw Elastomer, FFPM	9650302503	9650302503	9650302503
26	1	Feed Screw, Left Standard	9650322601	9650342601	9650362601
	1	Feed Screw, Left Hardened	9650322602	9650342602	9650362602
27	1	Feed Screw, Right Standard	9650322701	9650342701	9650362701
	1	Feed Screw, Right Hardened	9650322702	9650342702	9650362702
28	6	Pump Casing, Dowels	9650002801	9650002801	9650002801
29	1	Pump Casing, Hardened	9650302901	9650302901	9650302901
	1	Pump Casing, Hardened For Heating Jacket	9650302903	9650302903	9650302903
30	4	Pump Casing, Studs	9650303001	9650303001	9650303001
31	1	Seal Housing, DIN11851 80mm	9650303101	9650303101	9650303101
	1	Seal Housing, DIN11851 65mm	9650303102	9650303102	9650303102
	1	Seal Housing, Tri-Clamp 80mm	9650303103	9650303103	9650303103
	1	Seal Housing, Tri-Clamp 65mm	9650303104	9650303104	9650303104
	1	Seal Housing, RJT 80mm	9650303105	9650303105	9650303105
	1	Seal Housing, RJT 65mm	9650303106	9650303106	9650303106
	1	Seal Housing, SMS 80mm	9650303107	9650303107	9650303107
	1	Seal Housing, SMS 65mm	9650303108	9650303108	9650303108
	1	Seal Housing, IDF 80mm	9650303109	9650303109	9650303109
	1	Seal Housing, IDF 65mm	9650303110	9650303110	9650303110
	1	Seal Housing, DIN11864-1-A 80mm	9650303111	9650303111	9650303111
	1	Seal Housing, DIN11864-1-A 65mm	9650303112	9650303112	9650303112
	1	Seal Housing, DIN11864-1-C 80mm	9650303113	9650303113	9650303113
	1	Seal Housing, DIN11864-1-C 65mm	9650303114	9650303114	9650303114
	1	Seal Housing, DIN11864-2-A 80mm	9650303115	9650303115	9650303115
	1	Seal Housing, DIN11864-2-A 65mm	9650303116	9650303116	9650303116
	1	Seal Housing, DIN11864-2-C 80mm	9650303117	9650303117	9650303117
	1	Seal Housing, DIN11864-2-C 65mm	9650303118	9650303118	9650303118
32	2	Gland Guard	9650303201	9650303201	9650303201
33	4	Flush Plugs	9650203301	9650203301	9650203301
	4	Flush Caps	9650303302	9650303302	9650303302
34	1	Foot	9650303401	9650303401	9650303401



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

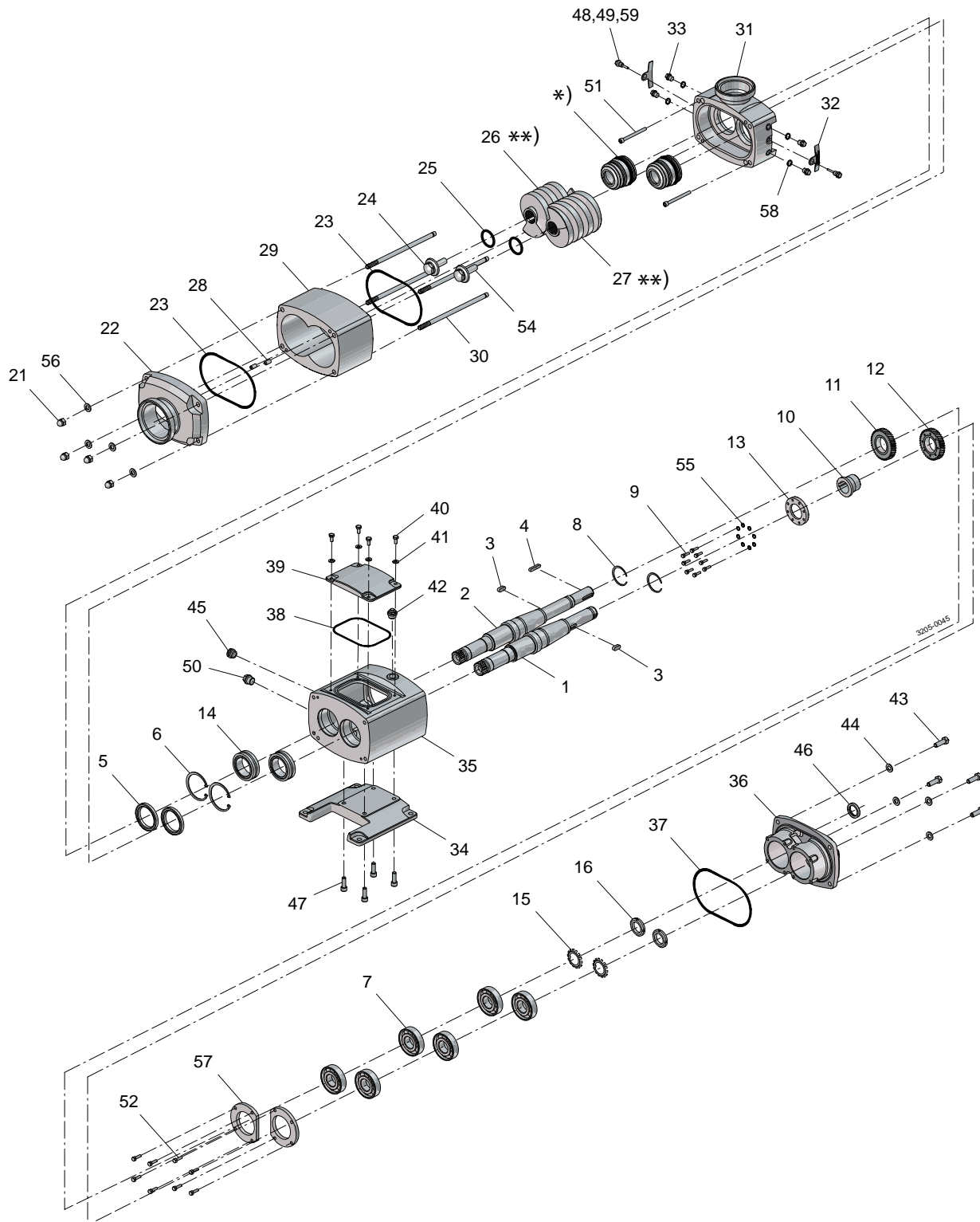
Pos	Qty	Denomination	Item no. OS32	Item no. OS34	Item no. OS36
35	1	Gearbox	9650303501	9650303501	9650303501
36	1	Gearbox End Cover	9650303601	9650303601	9650303601
37 Δ	1	Gearbox End Cover O-Ring	9650303701	9650303701	9650303701
38 Δ	1	Gearbox Top Cover O-Ring	9650203701	9650203701	9650203701
39	1	Gearbox Top Cover	9650303901	9650303901	9650303901
40	4	Gearbox Top Cover Bolts	9650004001	9650004001	9650004001
41	4	Gearbox Top Cover Washers	9650004101	9650004101	9650004101
42	1	Filler Plug	9650004201	9650004201	9650004201
43	4	Gearbox End Cover Bolts	9650304301	9650304301	9650304301
44	4	Gearbox End Cover Washers	9650304401	9650304401	9650304401
45	1	Sight Glass	9650004501	9650004501	9650004501
46 Δ	1	Rear Lip Seal	9650304601	9650304601	9650304601
47	4	Gearbox Foot Screw	9650304701	9650304701	9650304701
48	2	Gland Guard Plug	9650004801	9650004801	9650004801
49	2	Seal Pin	9650304901	9650304901	9650304901
50	1	Seal Ring	9650005001	9650005001	9650005001
51	2	Cap Screw	9650305101	9650305101	9650305101
52	8	Hex Bolt	9650305201	9650305201	9650305201
54	2	Stud Bolt	9650305401	9650305401	9650305401
55	1	Washer	9650305501	9650305501	9650305501
56	4	Washer	9650304401	9650304401	9650304401
57	2	Bearing Retainer	9650305701	9650305701	9650305701
58	4	Washer Seal Ring	9650005801	9650005801	9650005801
59 ▲	2	Gland Guard Screw O Ring, FPM	9650005901	9650005901	9650005901
60	2	Heating Pipe Union, - Not Shown	9650306001	9650306001	9650306001
61	2	Heating Pipe Elbow, - Not Shown	9650306101	9650306101	9650306101
62	1	Heating Pipe, - Not Shown	9650306201	9650306201	9650306201

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\* Cartridge Seal  
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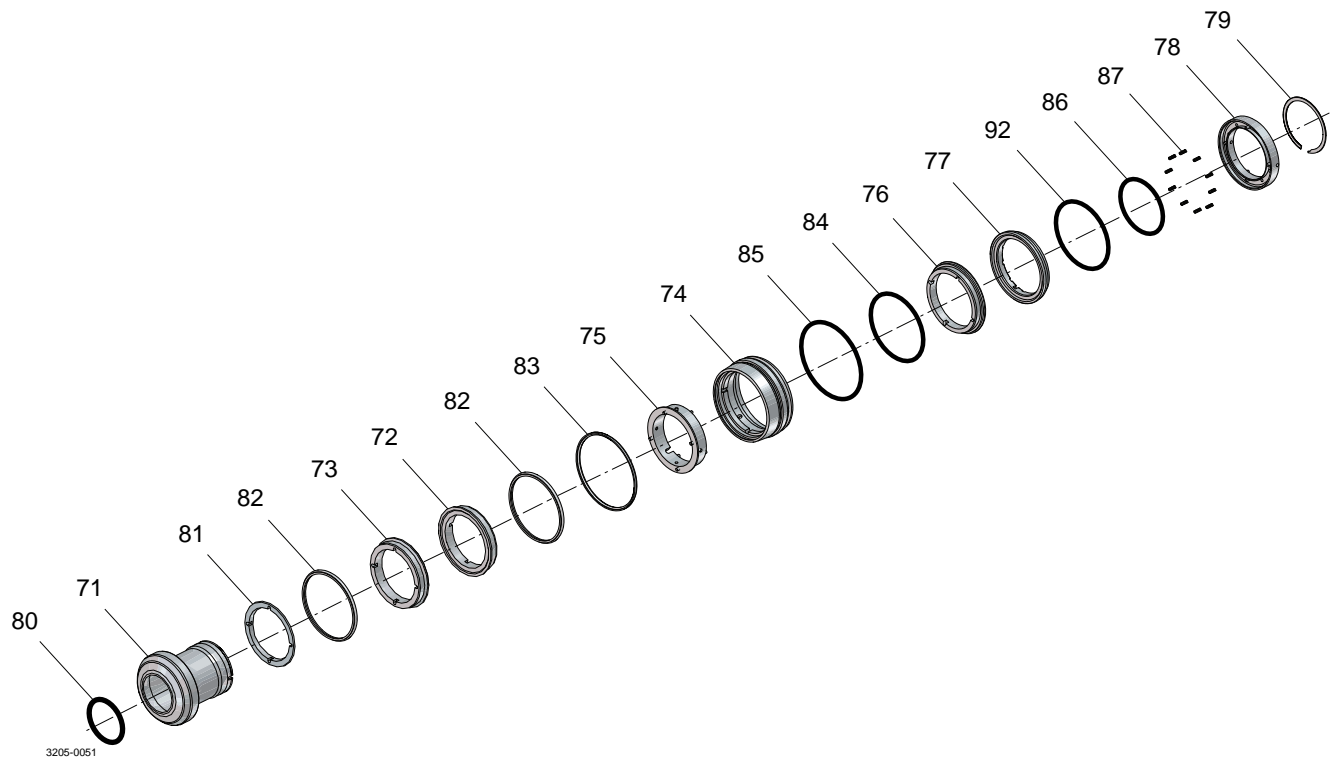
Pos	Qty	Denomination	Item no. OS42	Item no. OS44	Item no. OS46
1	1	Auxiliary Shaft	9650400101	9650400101	9650400101
2	1	Drive Shaft	9650400201	9650400201	9650400201
3	1	Gear Key	9650400301	9650400301	9650400301
4	1	Drive Shaft Key	9650400401	9650400401	9650400401
5	2	Front Lip Seal	9650400501	9650400501	9650400501
6	2	Circlip	9650400601	9650400601	9650400601
7	6	Ball Bearing	9650400701	9650400701	9650400701
8	2	Circlip	9650400801	9650400801	9650400801
9	8	Gear Sleeve Bolts	9650400901	9650400901	9650400901
10	1	Gear Sleeve	9650401001	9650401001	9650401001
11	1	Timing Gear Drive Shaft	9650401101	9650401101	9650401101
12	1	Timing Gear Auxilliary Shaft	9650401201	9650401201	9650401201
13	1	Timing Gear Clamp Plate	9650401301	9650401301	9650401301
14	2	Needle Bearing	9650401401	9650401401	9650401401
15	2	Tab Washer	9650401501	9650401501	9650401501
16	2	Bearing Nut	9650401601	9650401601	9650401601
21	4	Pump Cover Nuts	9650402101	9650402101	9650402101
22	1	Pump Cover, DIN11851 150mm	9650402201	9650402201	9650402201
	1	Pump Cover, DIN11851 100mm	9650402202	9650402202	9650402202
	1	Pump Cover, Tri-Clamp 150mm	9650402203	9650402203	9650402203
	1	Pump Cover, Tri-Clamp 100mm	9650402204	9650402204	9650402204
	1	Pump Cover, RJT 100mm	9650402205	9650402205	9650402205
	1	Pump Cover, SMS 100mm	9650402206	9650402206	9650402206
	1	Pump Cover, IDF 100mm	9650402207	9650402207	9650402207
	1	Pump Cover, DIN11864-1-A 100mm	9650402208	9650402208	9650402208
	1	Pump Cover, DIN11864-1-C 100mm	9650402209	9650402209	9650402209
	1	Pump Cover, DIN11864-2-A 150mm	9650402210	9650402210	9650402210
	1	Pump Cover, DIN11864-2-A 100mm	9650402211	9650402211	9650402211
	1	Pump Cover, DIN11864-2-C 100mm	9650402212	9650402212	9650402212
	1	Pump Cover, Rectangular	9650402299	9650402299	9650402299
23	2	Pump Casing Elastomer, EPDM	9650402301	9650402301	9650402301
	2	Pump Casing Elastomer, FPM	9650402302	9650402302	9650402302
	2	Pump Casing Elastomer, FPPM	9650402303	9650402303	9650402303
24	2	Feed Screw Nut	9650402401	9650402401	9650402401
25	2	Feed Screw Elastomer, EPDM	9650402501	9650402501	9650402501
	2	Feed Screw Elastomer, FPM	9650402502	9650402502	9650402502
	2	Feed Screw Elastomer, FPPM	9650402503	9650402503	9650402503
26	1	Feed Screw, Left Standard	9650442601	9650442601	9650442601
	1	Feed Screw, Left Hardened	9650442602	9650442602	9650442602
27	1	Feed Screw, Right Standard	9650442701	9650442701	9650442701
	1	Feed Screw, Right Hardened	9650442702	9650442702	9650442702
28	6	Pump Casing, Dowels	9650002801	9650002801	9650002801
29	1	Pump Casing	9650402901	9650402901	9650402901
	1	Pump Casing, Hardened For Heating Jacket	9650402903	9650402903	9650402903
30	4	Pump Casing, Studs	9650403001	9650403001	9650403001
31	1	Seal Housing, DIN11851 100mm	9650403101	9650403101	9650403101
	1	Seal Housing, DIN11851 80mm	9650403102	9650403102	9650403102
	1	Seal Housing, Tri-Clamp 100mm	9650403103	9650403103	9650403103
	1	Seal Housing, Tri-Clamp 80mm	9650403104	9650403104	9650403104
	1	Seal Housing, RJT 100mm	9650403105	9650403105	9650403105
	1	Seal Housing, RJT 80mm	9650403106	9650403106	9650403106
	1	Seal Housing, SMS 100mm	9650403107	9650403107	9650403107
	1	Seal Housing, SMS 80mm	9650403108	9650403108	9650403108
	1	Seal Housing, IDF 100mm	9650403109	9650403109	9650403109
	1	Seal Housing, IDF 80mm	9650403110	9650403110	9650403110
	1	Seal Housing, DIN11864-1-A 100mm	9650403111	9650403111	9650403111
	1	Seal Housing, DIN11864-1-A 80mm	9650403112	9650403112	9650403112
	1	Seal Housing, DIN11864-1-C 100mm	9650403113	9650403113	9650403113
	1	Seal Housing, DIN11864-1-C 80mm	9650403114	9650403114	9650403114
	1	Seal Housing, DIN11864-2-A 100mm	9650403115	9650403115	9650403115
	1	Seal Housing, DIN11864-2-C 100mm	9650403116	9650403116	9650403116
	1	Seal Housing, DIN11864-2-A 80mm	9650403117	9650403117	9650403117
	1	Seal Housing, DIN11864-2-C 80mm	9650403118	9650403118	9650403118
32	2	Gland Guard	9650403201	9650403201	9650403201
33	4	Flush Plugs	9650403301	9650403301	9650403301
	4	Flush Caps	9650403302	9650403302	9650403302
34	1	Foot	9650403401	9650403401	9650403401
35	1	Gearbox	9650403501	9650403501	9650403501
36	1	Gearbox End Cover	9650403601	9650403601	9650403601
37	1	Gearbox End Cover O-Ring	9650403701	9650403701	9650403701
38	1	Gearbox Top Cover O-Ring	9650303701	9650303701	9650303701
39	1	Gearbox Top Cover	9650403901	9650403901	9650403901
40	4	Gearbox Top Cover Bolts	9650004001	9650004001	9650004001
41	4	Gearbox Top Cover Washers	9650004101	9650004101	9650004101
42	1	Filler Plug	9650004201	9650004201	9650004201
43	4	Gearbox End Cover Bolts	9650404301	9650404301	9650404301
44	4	Gearbox End Cover Washers	9650404401	9650404401	9650404401



\* Cartridge Seal  
 \*\* When replacing Feed Screw it is recommended to replace both Left and Right version

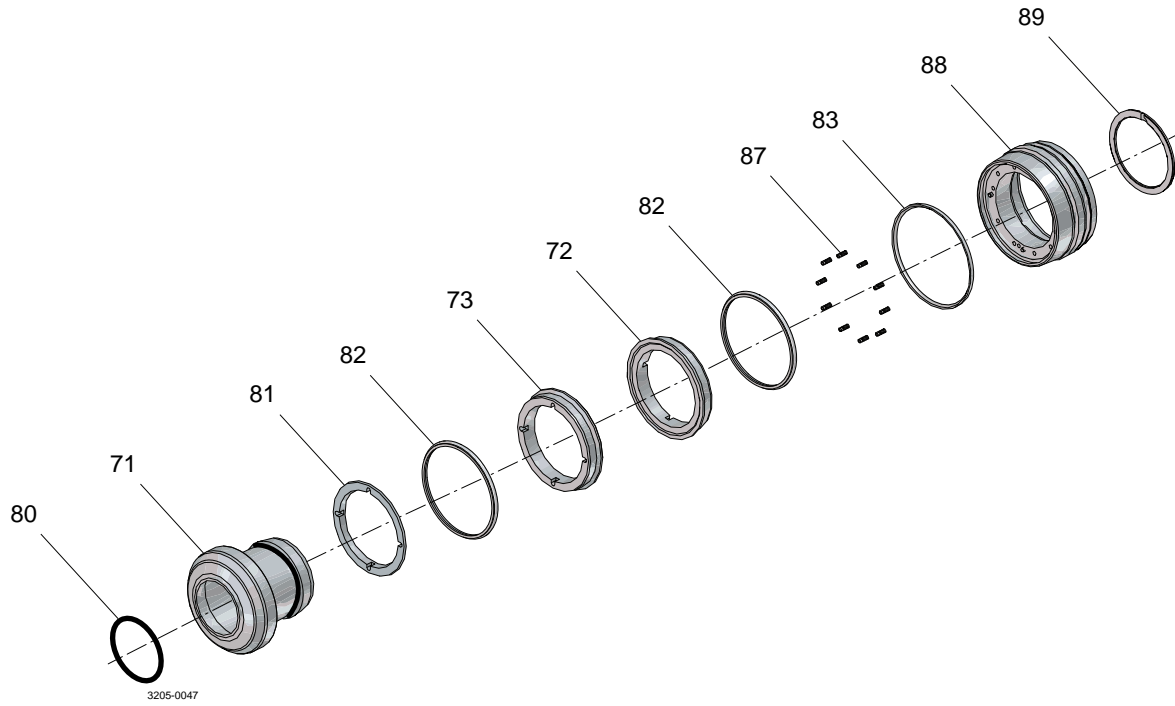


Pos	Qty	Denomination	Item no. OS42	Item no. OS44	Item no. OS46
45	1	Sight Glass . . . . .	9650004501	9650004501	9650004501
46 Δ	1	Rear Lip Seal . . . . .	9650404601	9650404601	9650404601
47	4	Gearbox Foot Screw . . . . .	9650404701	9650404701	9650404701
48	2	Gland Guard Plug . . . . .	9650004801	9650004801	9650004801
49	2	Seal Pin . . . . .	9650404901	9650404901	9650404901
50	1	Washer Gearbox Plug . . . . .	9650005001	9650005001	9650005001
51	2	Cap Screw . . . . .	9650405101	9650405101	9650405101
52	8	Hex Bolt . . . . .	9650405201	9650405201	9650405201
54	2	Stud Bolt . . . . .	9650405401	9650405401	9650405401
55	1	Washer . . . . .	9650405501	9650405501	9650405501
56	4	Washer . . . . .	9650404401	9650404401	9650404401
57	2	Bearing Retainer . . . . .	9650405701	9650405701	9650405701
58	4	Washer Seal Ring . . . . .	9650005801	9650005801	9650005801
59 ▲	4	Gland Guard Screw O Ring, FPM . . . . .	9650005901	9650005901	9650005901
60	2	Heating Pipe Union, - Not Shown . . . . .	9650406001	9650406001	9650406001
61	2	Heating Pipe Elbow, - Not Shown . . . . .	9650406101	9650406101	9650406101
62	1	Heating Pipe, - Not Shown . . . . .	9650406201	9650406201	9650406201
63	2	Heating Adapter, - Not Shown . . . . .	9650406301	9650406301	9650406301



Pos	Qty	Denomination	OS12/14/16	OS22/24/26	OS32/34/36	OS42/44/46
<b>Quantities shown are for complete pump (2 pcs complete seal per pump). Quantities shown may vary depending on seal type and materials fitted</b>						
71	2	Sleeve / Holder, Single Rotary Holder, FPM	9650107102	9650207102	9650307102	9650407102
	2	Sleeve / Holder, Double Rotary Holder, EPDM		9650207103	9650307103	9650407103
	2	Sleeve / Holder, Double Rotary Holder, FPM		9650207104	9650307104	9650407104
	2	Sleeve / Holder, Double Rotary Holder, FFPM		9650207105	9650307105	9650407105
72	□◊	2 Seal Face, SC	9650107301	9650207301	9650307301	9650407301
	2	Seal Face, Carbon	9650107302	9650207302	9650307302	9650407302
	2	Seal Face, TC	9650107303	9650207303	9650307303	9650407303
73	□◊	2 Seal Face, SC	9650107301	9650207301	9650307301	9650407301
	2	Seal Face, Carbon	9650107303	9650207303	9650307303	9650407303
	2	Seal Face, TC	9650107303	9650207303	9650307303	9650407303
74		2 Housing Double	9650107401	9650207401	9650307401	9650407401
75		2 Drive Ring Inner Assy	9650107501	9650207501	9650307501	9650407501
76	○	2 Static Face Double	9650107601	9650207601	9650307601	9650407601
77	○	2 Rotary Face Double	9650107701	9650207701	9650307701	9650407701
78		2 Drive Ring Outer Assy		9650207801	9650307801	9650407801
79	○	2 Circlip Double Housing		9650207901	9650307901	9650407901
80	□◊	2 P Ring, EPDM	9650208001	9650208001	9650308001	9650408001
	2	P Ring, FPM	9650208002	9650208002	9650308002	9650408002
	2	P Ring, FFPM	9650208003	9650208003	9650308003	9650408003
81	□◊	2 Washer, PTFE	9650108101	9650208101	9650308101	9650408101
82	□◊	2 P Ring, EPDM	9650108201	9650208201	9650308201	9650408201
	2	P Ring, FPM	9650108202	9650208202	9650308202	9650408202
	2	P Ring, FFPM	9650108203	9650208203	9650308203	9650408203
83	□◊	2 P Ring, EPDM	9650108301	9650208301	9650308301	9650408301
	2	P Ring, FPM	9650108301	9650208302	9650308302	9650408302
	2	P Ring, FFPM	9650108302	9650208303	9650308303	9650408303
84	○	2 O Ring, EPDM	9630023531	9650208401	9650308401	9650408401
	2	O Ring, FPM	9630023418	9650208402	9650308402	9650408402
	2	O Ring, FFPM	9630668559	9650208403	9650308403	9650408403
85	◊	2 O Ring, EPDM	9630075999	9650208501	9650308501	9650408501
	2	O Ring, FPM	9630075998	9650208502	9650308502	9650408502
	2	O Ring, FFPM	9630685072	9650208503	9650308503	9650408503
86	○	2 O Ring, EPDM	9630046190	9650208601	9650208401	9650408601
	2	O Ring, FPM	9630046189	9650208602	9650208402	9650408602
	2	O Ring, FFPM	9630668403	9650208603	9650208403	9650408603
87	□◊	16 Coil Spring	9650108701			
	□◊	20 Coil Spring		9650208701	9650308701	
	□◊	32 Coil Spring				9650408701
88		2 Housing Assy Single	9650108801	9650208801	9650308801	9650408801
89	□◊	2 Circlip Single Housing	9650108901	9650208901	9650308901	9650408901
90	◊	2 Lip Seal Flush FPM	9650109001	9650209001	9650309001	9650409001
91	◊	2 Circlip Lip Seal Flush	9650109101	9650209101	9650309101	9650409101
92	○	2 O Ring, EPDM	9630023531	9650209201	9650308401	9650408401
	2	O Ring, FPM	9630023418	9650209202	9650308402	9650408402
	2	O Ring, FFPM	9630668559	9650209203	9650308403	9650408403
93		2 Drive Ring, Double Outer/ Sleeve	9650107801			
94		2 Rotary Holder Double	9650107103			

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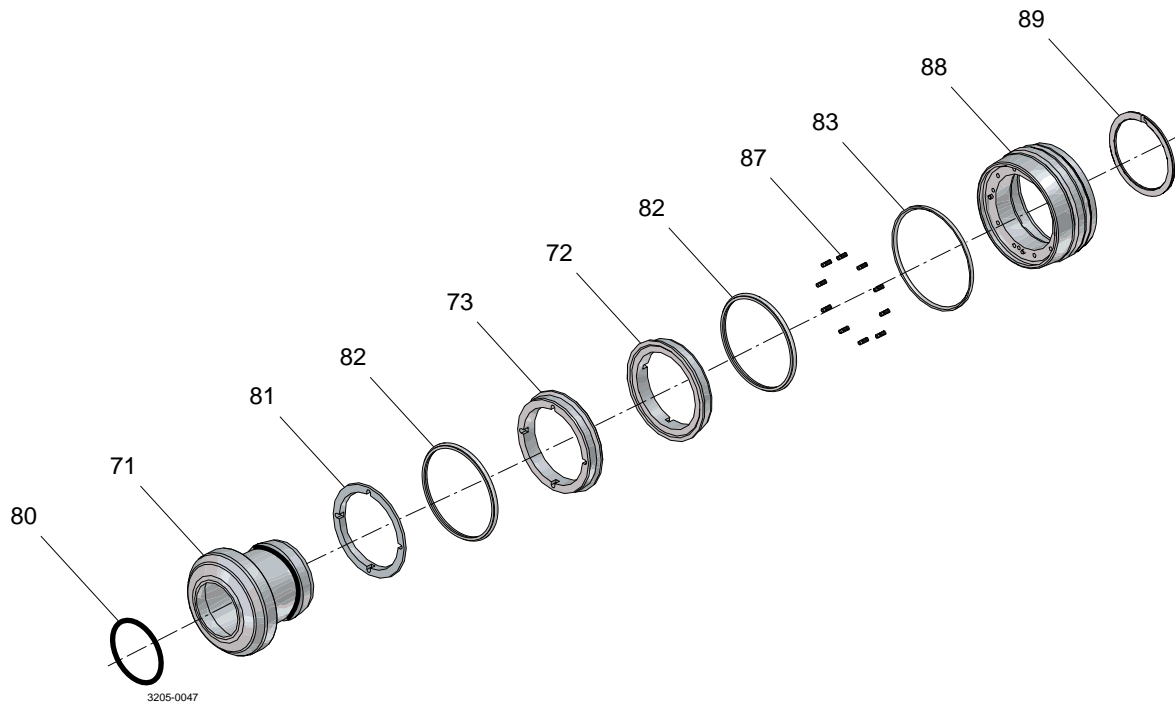


Pos	Qty	Denomination	OS12/14/16 EPDM	OS22/24/26 EPDM	OS32/34/36 EPDM	OS42/44/46 EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
	■	Complete Single Seal SC/C EPDM: . . . . .	9650109501	9650209501	9650309501	9650409501
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE CARBON . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING EPDM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING EPDM . . . . .				
83	1	P RING EPDM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				

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Pos	Qty	Denomination	OS12/14/16 FPM	OS22/24/26 FPM	OS32/34/36 FPM	OS42/44/46 FPM
	■	Complete Single Seal SC/C FPM: . . . . .	9650109502	9650209502	9650309502	9650409502
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE CARBON . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING FPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FPM . . . . .				
83	1	P RING FPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				

Pos	Qty	Denomination	OS12/14/16 FFPM	OS22/24/26 FFPM	OS32/34/36 FFPM	OS42/44/46 FFPM
	■	Complete Single Seal SC/C FFPM: . . . . .	9650109503	9650209503	9650309503	9650409503
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE CARBON . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING FFPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FFPM . . . . .				
83	1	P RING FFPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				



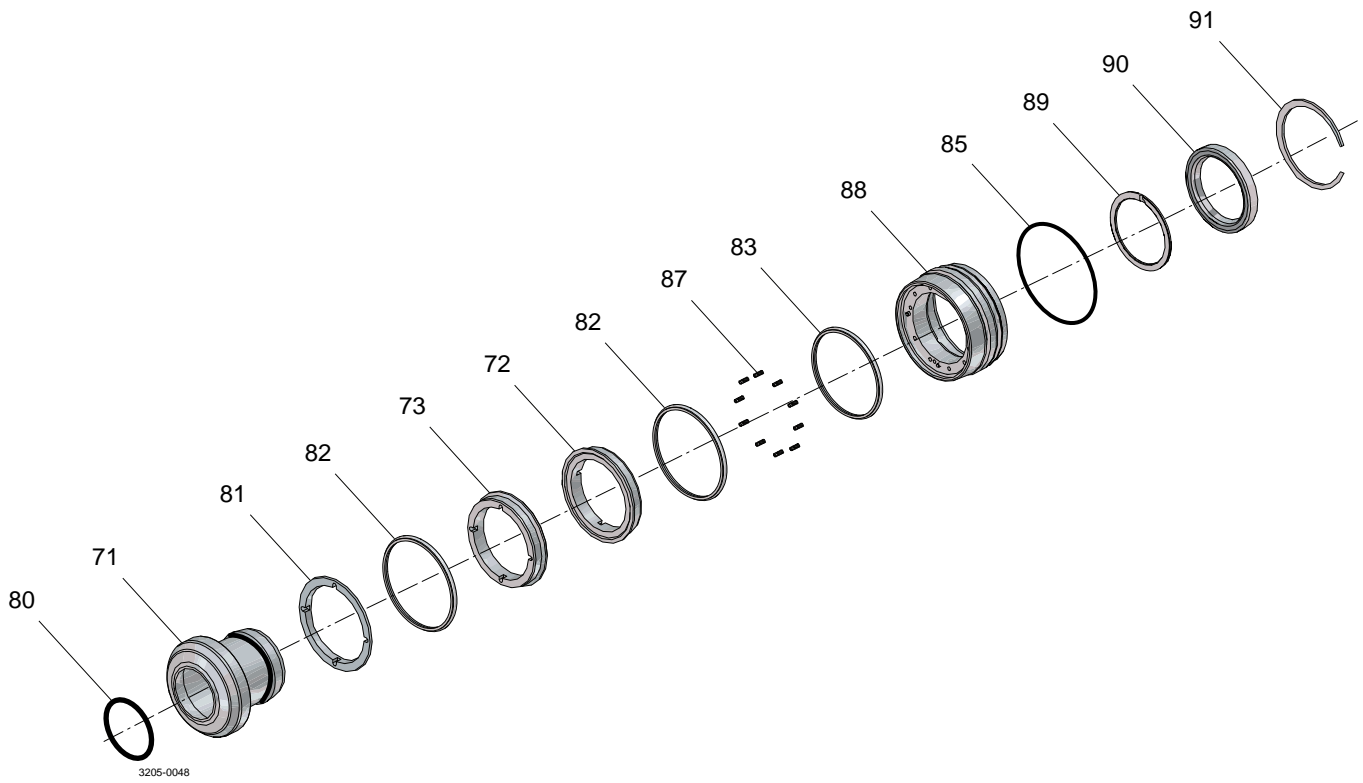
Pos	Qty	Denomination	OS12/14/16 EPDM	OS22/24/26 EPDM	OS32/34/36 EPDM	OS42/44/46 EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
■		Complete Single Seal SC/SC EPDM: . . . . .	9650109511	9650209511	9650309511	9650409511
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING EPDM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING EPDM . . . . .				
83	1	P RING EPDM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				

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Pos	Qty	Denomination	OS12/14/16 FPM	OS22/24/26 FPM	OS32/34/36 FPM	OS42/44/46 FPM
■		Complete Single Seal SC/SC FPM: . . . . .	9650109512	9650209512	9650309512	9650409512
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING FPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FPM . . . . .				
83	1	P RING FPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				

Pos	Qty	Denomination	OS12/14/16 FFPM	OS22/24/26 FFPM	OS32/34/36 FFPM	OS42/44/46 FFPM
■		Complete Single Seal SC/SC FFPM: . . . . .	9650109513	9650209513	9650309513	9650409513
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING FFPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FFPM . . . . .				
83	1	P RING FFPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				

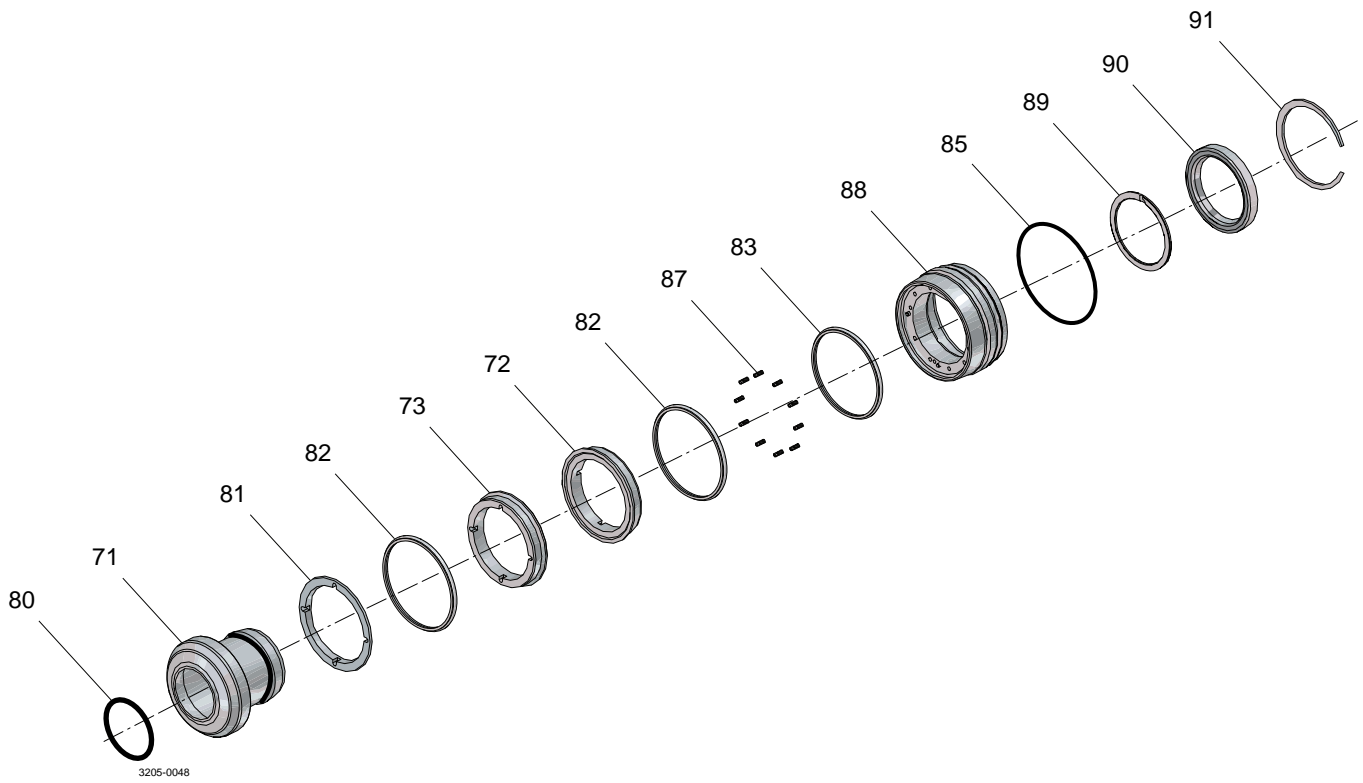
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Pos	Qty	Denomination	OS12/14/16 EPDM	OS22/24/26 EPDM	OS32/34/36 EPDM	OS42/44/46 EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
♦		Complete Single Flushed Seal SC/C EPDM: . . . . .	9650109551	9650209551	9650309551	9650409551
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE CARBON . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING EPDM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING EPDM . . . . .				
83	1	P RING EPDM . . . . .				
85	1	O RING EPDM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				
90	1	LIP SEAL FLUSH FPM . . . . .				
91	1	CIRCLIP LIP SEAL FLUSH . . . . .				

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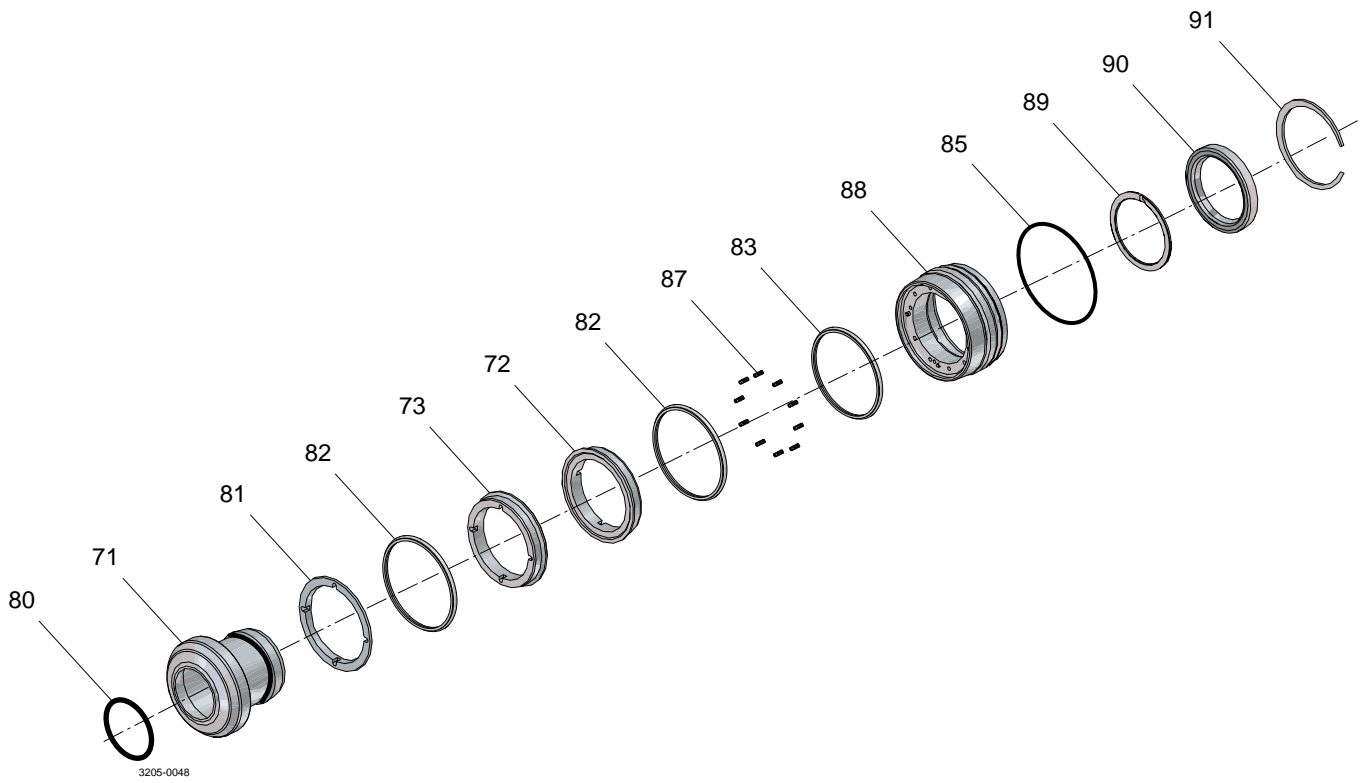


Pos	Qty	Denomination	OS12/14/16 EPDM	OS22/24/26 EPDM	OS32/34/36 EPDM	OS42/44/46 EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
♦		Complete Single Flushed Seal SC/C EPDM: . . . . .	9650109551	9650209551	9650309551	9650409551
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE CARBON . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING EPDM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING EPDM . . . . .				
83	1	P RING EPDM . . . . .				
85	1	O RING EPDM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				
90	1	LIP SEAL FLUSH FPM . . . . .				
91	1	CIRCLIP LIP SEAL FLUSH . . . . .				

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Pos	Qty	Denomination	OS12/14/16 FPM	OS22/24/26 FPM	OS32/34/36 FPM	OS42/44/46 FPM
♦		Complete Single Flushed Seal SC/C FPM: . . . . .	9650109552	9650209552	9650309552	9650409552
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE CARBON . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING FPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FPM . . . . .				
83	1	P RING FPM . . . . .				
85	1	O RING FPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				
90	1	LIP SEAL FLUSH FPM . . . . .				
91	1	CIRCLIP LIP SEAL FLUSH . . . . .				

Pos	Qty	Denomination	OS12/14/16 FFPM	OS22/24/26 FFPM	OS32/34/36 FFPM	OS42/44/46 FFPM
♦		Complete Single Flushed Seal SC/C FFPM: . . . . .	9650109553	9650209553	9650309553	9650409553
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE CARBON . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING FFPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FFPM . . . . .				
83	1	P RING FFPM . . . . .				
85	1	O RING FFPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				
90	1	LIP SEAL FLUSH FPM . . . . .				
91	1	CIRCLIP LIP SEAL FLUSH . . . . .				

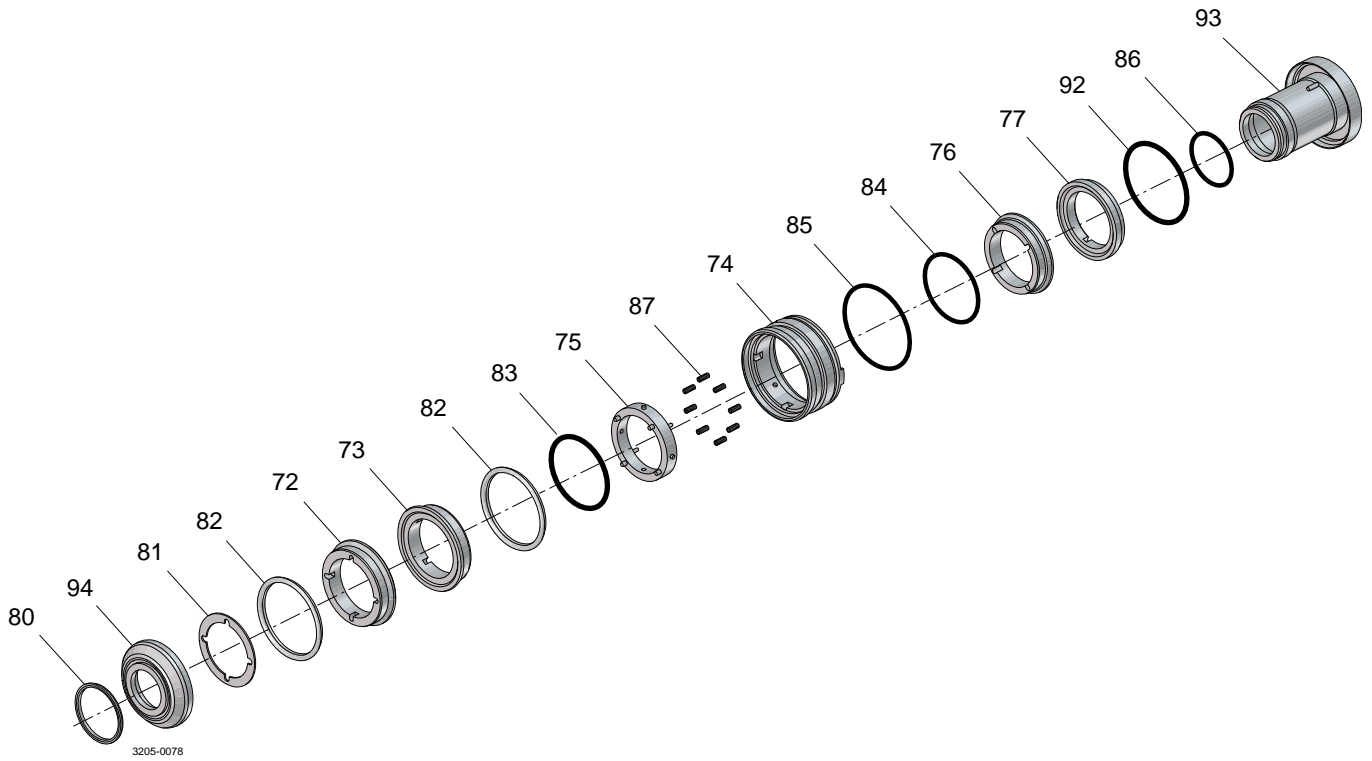


Pos	Qty	Denomination	OS12/14/16 EPDM	OS22/24/26 EPDM	OS32/34/36 EPDM	OS42/44/46 EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
♦		Complete Single Flushed Seal SC/SC EPDM: . . . . .	9650109561	9650209561	9650309561	9650409561
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING EPDM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING EPDM . . . . .				
83	1	P RING EPDM . . . . .				
85	1	O RING EPDM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				
90	1	LIP SEAL FLUSH FPM . . . . .				
91	1	CIRCLIP LIP SEAL FLUSH . . . . .				

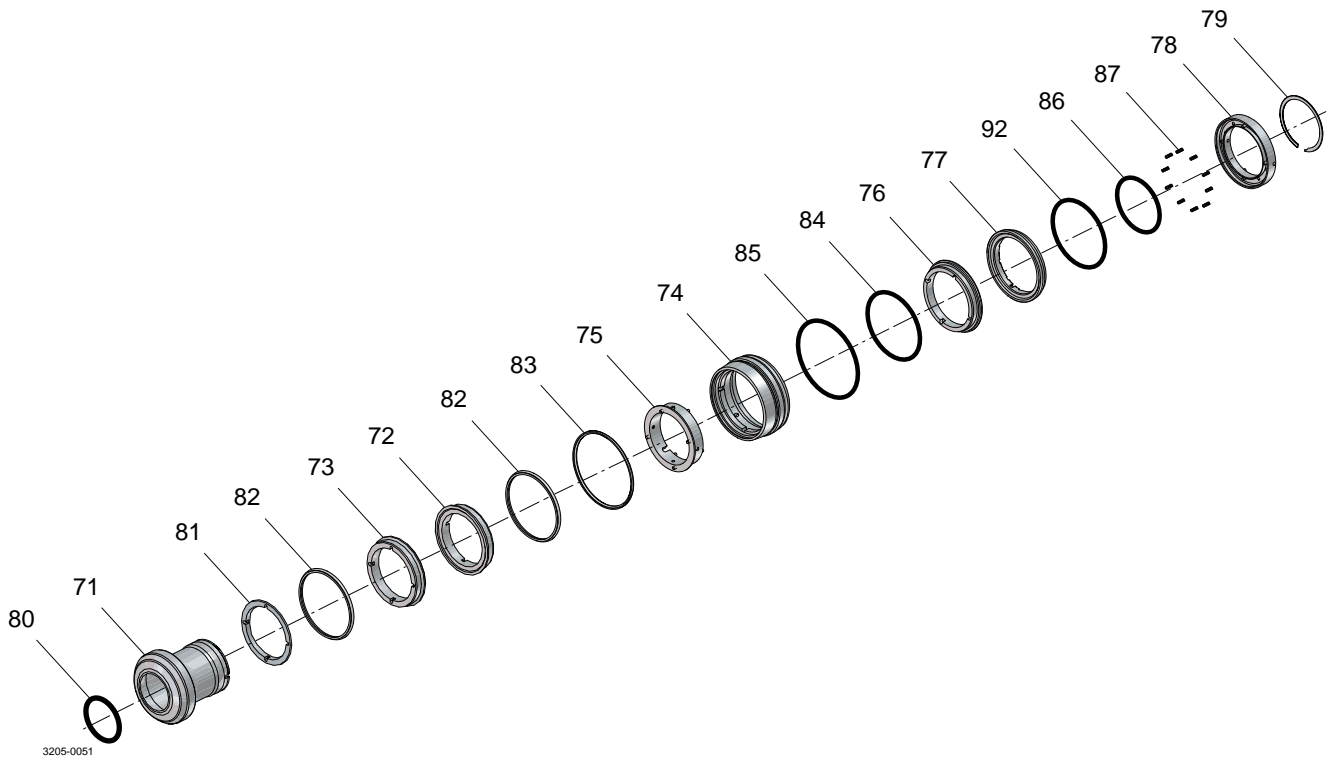
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Pos	Qty	Denomination	OS12/14/16 FPM	OS22/24/26 FPM	OS32/34/36 FPM	OS42/44/46 FPM
♦		Complete Single Flushed Seal SC/SC FPM: . . . . .	9650109562	9650209562	9650309562	9650409562
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING FPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FPM . . . . .				
83	1	P RING FPM . . . . .				
85	1	O RING FPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				
90	1	LIP SEAL FLUSH FPM . . . . .				
91	1	CIRCLIP LIP SEAL FLUSH . . . . .				

Pos	Qty	Denomination	OS12/14/16 FFPM	OS22/24/26 FFPM	OS32/34/36 FFPM	OS42/44/46 FFPM
♦		Complete Single Flushed Seal SC/SC FFPM: . . . . .	9650109563	9650209563	9650309563	9650409563
71	1	ROTARY HOLDER SINGLE . . . . .				
72	1	STATIC FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
80	1	P RING FFPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FFPM . . . . .				
83	1	P RING FFPM . . . . .				
85	1	O RING FFPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
88	1	HOUSING ASSY SINGLE . . . . .				
89	1	CIRCLIP SINGLE HOUSING . . . . .				
90	1	LIP SEAL FLUSH FPM . . . . .				
91	1	CIRCLIP LIP SEAL FLUSH . . . . .				



OS 10 Double Seal



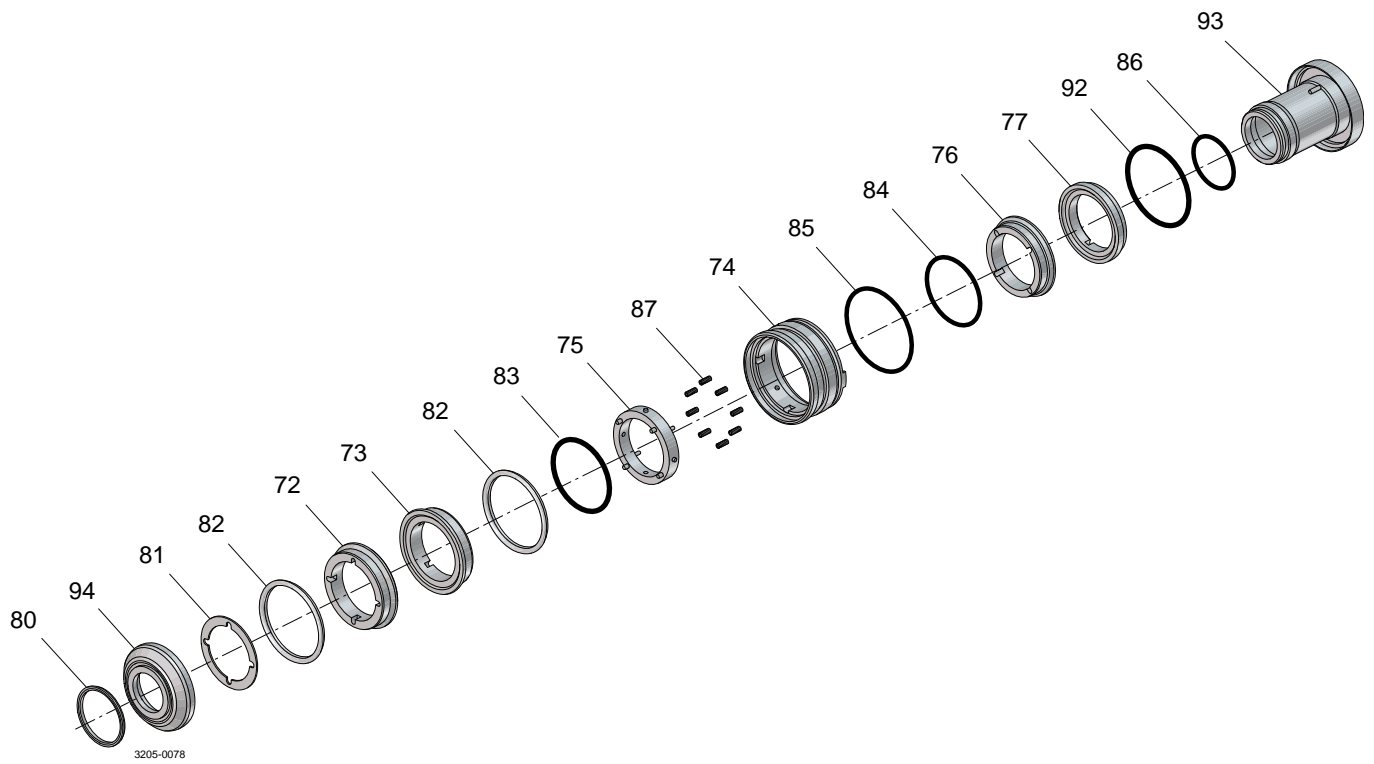
OS 20 / 30 / 40 Double Seal

Pos	Qty	Denomination	OS12/14/16 EPDM	OS22/24/26 EPDM	OS32/34/36 EPDM	OS42/44/46 EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
	•	Complete Double Seal SC/C/SC/C EPDM:	9650109571	9650209571	9650309571	9650409571
71	1	ROTARY HOLDER DBL EPDM				
72	1	STATIC FACE CARBON				
73	1	STATIC/ROTARY FACE SC				
74	1	HOUSING DOUBLE				
75	1	DRIVE RING ASSY INNER DBL				
76	1	STATIC FACE DOUBLE SC				
77	1	ROTARY FACE DOUBLE CARBON				
78	1	DRIVE RING ASSY OUTER DBL				
79	1	CIRCLIP DOUBLE HOUSING				
80	1	P RING EPDM				
81	1	WASHER PTFE				
82	1	P RING EPDM				
83	1	P RING EPDM				
84	1	O RING EPDM				
85	1	O RING EPDM				
86	1	O RING EPDM				
87	8	COIL SPRING (OS12/14/16)				
	10	COIL SPRING (OS22/24/26/32/34/36)				
	16	COIL SPRING (OS42/44/46)				
92	1	O RING EPDM				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE				
94	1	ROTARY HOLDER DBL				

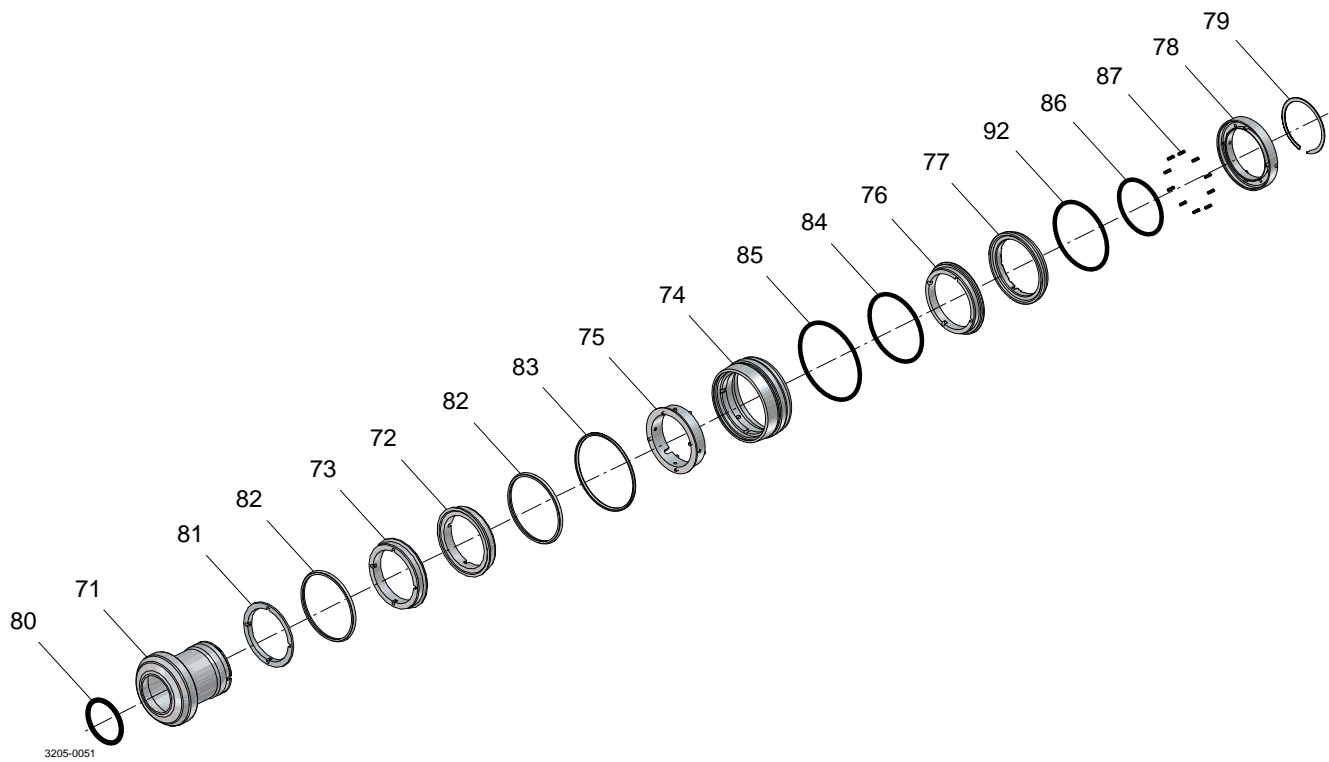
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Pos	Qty	Denomination	OS12/14/16 FPM	OS22/24/26 FPM	OS32/34/36 FPM	OS42/44/46 FPM
	•	Complete Double Seal SC/C/SC/C FPM:	9650109572	9650209572	9650309572	9650409572
71	1	ROTARY HOLDER DBL EPDM				
72	1	STATIC FACE CARBON				
73	1	STATIC/ROTARY FACE SC				
74	1	HOUSING DOUBLE				
75	1	DRIVE RING ASSY INNER DBL				
76	1	STATIC FACE DOUBLE SC				
77	1	ROTARY FACE DOUBLE CARBON				
78	1	DRIVE RING ASSY OUTER DBL				
79	1	CIRCLIP DOUBLE HOUSING				
80	1	P RING FPM				
81	1	WASHER PTFE				
82	1	P RING FPM				
83	1	P RING FPM				
84	1	O RING FPM				
85	1	O RING FPM				
87	8	COIL SPRING (OS12/14/16)				
	10	COIL SPRING (OS22/24/26/32/34/36)				
	16	COIL SPRING (OS42/44/46)				
92	1	O RING FPM				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE				
94	1	ROTARY HOLDER DBL				

Pos	Qty	Denomination	OS12/14/16 FFPM	OS22/24/26 FFPM	OS32/34/36 FFPM	OS42/44/46 FFPM
	•	Complete Double Seal SC/C/SC/C FFPM:	9650109573	9650209573	9650309573	9650409573
71	1	ROTARY HOLDER DBL EPDM				
72	1	STATIC FACE CARBON				
73	1	STATIC/ROTARY FACE SC				
74	1	HOUSING DOUBLE				
75	1	DRIVE RING ASSY INNER DBL				
76	1	STATIC FACE DOUBLE SC				
77	1	ROTARY FACE DOUBLE CARBON				
78	1	DRIVE RING ASSY OUTER DBL				
79	1	CIRCLIP DOUBLE HOUSING				
80	1	P RING FFPM				
81	1	WASHER PTFE				
82	1	P RING FFPM				
83	1	P RING FFPM				
84	1	O RING FFPM				
85	1	O RING FFPM				
86	1	O RING FFPM				
87	8	COIL SPRING (OS12/14/16)				
	10	COIL SPRING (OS22/24/26/32/34/36)				
	16	COIL SPRING (OS42/44/46)				
92	1	O RING FFPM				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE				
94	1	ROTARY HOLDER DBL				



OS 10 Double Seal



OS 20 / 30 / 40 Double Seal

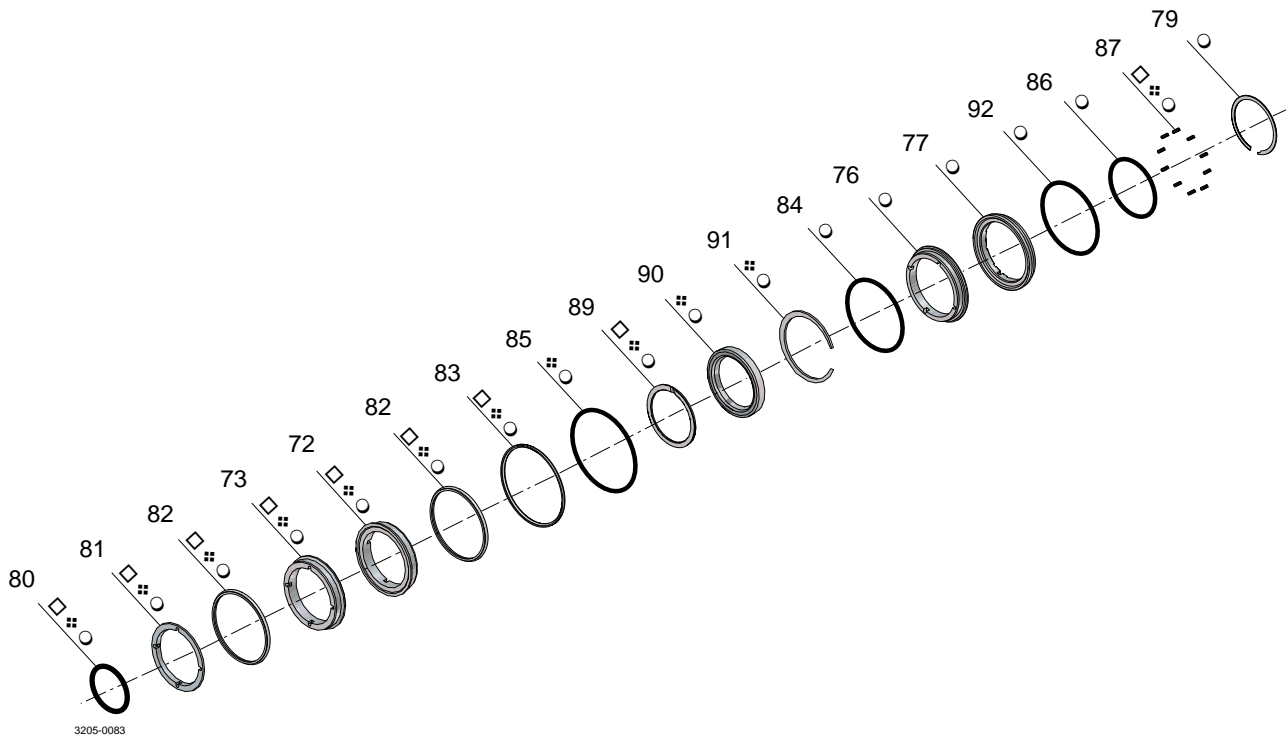


Pos	Qty	Denomination	OS12/14/16 EPDM	OS22/24/26 EPDM	OS32/34/36 EPDM	OS42/44/46 EPDM
<b>For servicing complete pump, 2 pcs. complete seals are required</b>						
		• Complete Double Seal SC/SC/SC/C EPDM: . . . . .	9650109581	9650209581	9650309581	9650409581
71	1	ROTARY HOLDER DBL EPDM . . . . .				
72	1	STATIC/ROTARY FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
74	1	HOUSING DOUBLE SS . . . . .				
75	1	DRIVE RING ASSY INNER DBL . . . . .				
76	1	STATIC FACE DOUBLE SC . . . . .				
77	1	ROTARY FACE DOUBLE CARBON . . . . .				
78	1	DRIVE RING ASSY OUTER DBL . . . . .				
79	1	CIRCLIP DOUBLE HOUSING . . . . .				
80	1	P RING EPDM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING EPDM . . . . .				
83	1	P RING EPDM . . . . .				
84	1	O RING EPDM . . . . .				
85	1	O RING EPDM . . . . .				
86	1	O RING EPDM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
92	1	O RING EPDM . . . . .				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE . . . . .				
94	1	ROTARY HOLDER DBL . . . . .				

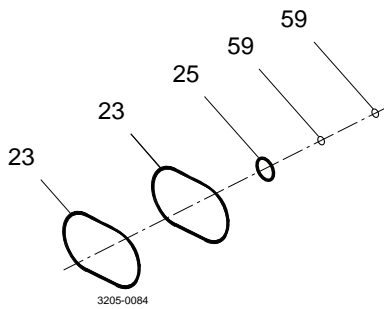
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Pos	Qty	Denomination	OS12/14/16 FPM	OS22/24/26 FPM	OS32/34/36 FPM	OS42/44/46 FPM
		• Complete Double Seal SC/SC/SC/C FPM: . . . . .	9650109582	9650209582	9650309582	9650409582
71	1	ROTARY HOLDER DBL EPDM . . . . .				
72	1	STATIC/ROTARY FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
74	1	HOUSING DOUBLE SS . . . . .				
75	1	DRIVE RING ASSY INNER DBL . . . . .				
76	1	STATIC FACE DOUBLE SC . . . . .				
77	1	ROTARY FACE DOUBLE CARBON . . . . .				
78	1	DRIVE RING ASSY OUTER DBL . . . . .				
79	1	CIRCLIP DOUBLE HOUSING . . . . .				
80	1	P RING FPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FPM . . . . .				
83	1	P RING FPM . . . . .				
84	1	O RING FPM . . . . .				
85	1	O RING FPM . . . . .				
86	1	O RING FPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
92	1	O RING FPM . . . . .				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE . . . . .				
94	1	ROTARY HOLDER DBL . . . . .				

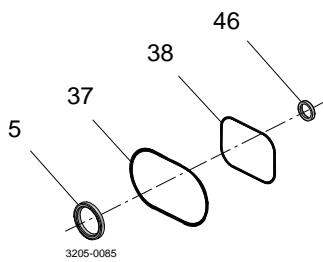
Pos	Qty	Denomination	OS12/14/16 FFPM	OS22/24/26 FFPM	OS32/34/36 FFPM	OS42/44/46 FFPM
		• Complete Double Seal SC/SC/SC/C FFPM: . . . . .	9650109583	9650209583	9650309583	9650409583
71	1	ROTARY HOLDER DBL EPDM . . . . .				
72	1	STATIC/ROTARY FACE SC . . . . .				
73	1	STATIC/ROTARY FACE SC . . . . .				
74	1	HOUSING DOUBLE SS . . . . .				
75	1	DRIVE RING ASSY INNER DBL . . . . .				
76	1	STATIC FACE DOUBLE SC . . . . .				
77	1	ROTARY FACE DOUBLE CARBON . . . . .				
78	1	DRIVE RING ASSY OUTER DBL . . . . .				
79	1	CIRCLIP DOUBLE HOUSING . . . . .				
80	1	P RING FFPM . . . . .				
81	1	WASHER PTFE . . . . .				
82	1	P RING FFPM . . . . .				
83	1	P RING FFPM . . . . .				
84	1	O RING FFPM . . . . .				
85	1	O RING FFPM . . . . .				
86	1	O RING FFPM . . . . .				
87	8	COIL SPRING (OS12/14/16) . . . . .				
	10	COIL SPRING (OS22/24/26/32/34/36) . . . . .				
	16	COIL SPRING (OS42/44/46) . . . . .				
92	1	O RING FFPM . . . . .				
93	1	DRIVE RING, ASSY OUTER DBL / SLEEVE . . . . .				
94	1	ROTARY HOLDER DBL . . . . .				



Seal Kit



Wet End Elastomer Kit



Gearbox Elastomer Kit

	EPDM	FPM	FFPM
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Seal Service Kits allow rebuilding of the existing cartridge seals, containing only the consumable parts. For servicing complete pump 2 pcs. seal service kits are required.

Service Kits for Single Seal OSC SC/C

□	Service Kit, OSC SC/C (OS12/14/16)	9650109601	9650109602	9650109603
□	Service Kit, OSC SC/C (OS22/24/26)	9650209601	9650209602	9650209603
□	Service Kit, OSC SC/C (OS32/34/36)	9650309601	9650309602	9650309603
□	Service Kit, OSC SC/C (OS42/44/46)	9650409601	9650409602	9650409603

Service Kits for Single Seal OSC SC/SC

□	Service Kit, OSC SC/SC (OS12/14/16)	9650109611	9650109612	9650109613
□	Service Kit, OSC SC/SC (OS22/24/26)	9650209611	9650209612	9650209613
□	Service Kit, OSC SC/SC (OS32/34/36)	9650309611	9650309612	9650309613
□	Service Kit, OSC SC/SC (OS42/44/46)	9650409611	9650409612	9650409613

	EPDM Flushed	FPM Flushed	FFPM Flushed
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Service Kits for Single Flushed Seal OSC SC/C

❖	Service Kit, OSC SC/C (OS12/14/16)	9650109651	9650109652	9650109653
❖	Service Kit, OSC SC/C (OS22/24/26)	9650209651	9650209652	9650209653
❖	Service Kit, OSC SC/C (OS32/34/36)	9650309651	9650309652	9650309653
❖	Service Kit, OSC SC/C (OS42/44/46)	9650409651	9650409652	9650409653

Service Kits for Single Flushed Seal OSC SC/SC

❖	Service Kit, OSC SC/SC (OS12/14/16)	9650109661	9650109662	9650109663
❖	Service Kit, OSC SC/SC (OS22/24/26)	9650209661	9650209662	9650209663
❖	Service Kit, OSC SC/SC (OS32/34/36)	9650309661	9650309662	9650309663
❖	Service Kit, OSC SC/SC (OS32/34/36)	9650409661	9650409662	9650409663

Service Kits for Double Flushed Seal OSC SC/C v SC/C

○	Service Kit, OSC SC/C v SC/C (OS12/14/16)	9650109671	9650109672	9650109673
○	Service Kit, OSC SC/C v SC/C (OS22/24/26)	9650209671	9650209672	9650209673
○	Service Kit, OSC SC/C v SC/C (OS32/34/36)	9650309671	9650309672	9650309673
○	Service Kit, OSC SC/C v SC/C (OS42/44/46)	9650409671	9650409672	9650409673

Service Kits for Double Flushed Seal OSC SC/SC v SC/C

○	Service Kit, OSC SC/SC v SC/C (OS12/14/16)	9650109681	9650109682	9650109683
○	Service Kit, OSC SC/SC v SC/C (OS22/24/26)	9650209681	9650209682	9650209683
○	Service Kit, OSC SC/SC v SC/C (OS32/34/36)	9650309681	9650309682	9650309683
○	Service Kit, OSC SC/SC v SC/C (OS42/44/46)	9650409681	9650409682	9650409683

Service Kits for Wet End Elastomer kit (1 pcs. required per pump unit)

▲	Service Kit, Wet End Elastomer (OS12/14/16)	9650109701	9650109702	9650109703
▲	Service Kit, Wet End Elastomer (OS22/24/26)	9650209701	9650209702	9650209703
▲	Service Kit, Wet End Elastomer (OS32/34/36)	9650309701	9650309702	9650309703
▲	Service Kit, Wet End Elastomer (OS42/44/46)	9650409701	9650409702	9650409703

Service Kits for Gearbox Elastomer kit (1 pcs. required per pump unit)

△	Service Kit, Gearbox Elastomer (OS12/14/16)	9650109801		
△	Service Kit, Gearbox Elastomer (OS22/24/26)	9650209801		
△	Service Kit, Gearbox Elastomer (OS32/34/36)	9650309801		
△	Service Kit, Gearbox Elastomer (OS42/44/46)	9650409801		

Commissioning Plugs (1 pcs. required per pump unit)

	Commissioning Plugs (OS12/14/16)	9650109401		
	Commissioning Plugs (OS22/24/26)	9650209401		
	Commissioning Plugs (OS32/34/36)	9650209401		
	Commissioning Plugs (OS42/44/46)	9650209401		



### **This is Alfa Laval**

Alfa Laval is active in the areas of Energy, Marine, and Food & Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress – always going the extra mile to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers, but also for people and the planet. Making the world better, every day. It's all about **Advancing better™**.

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