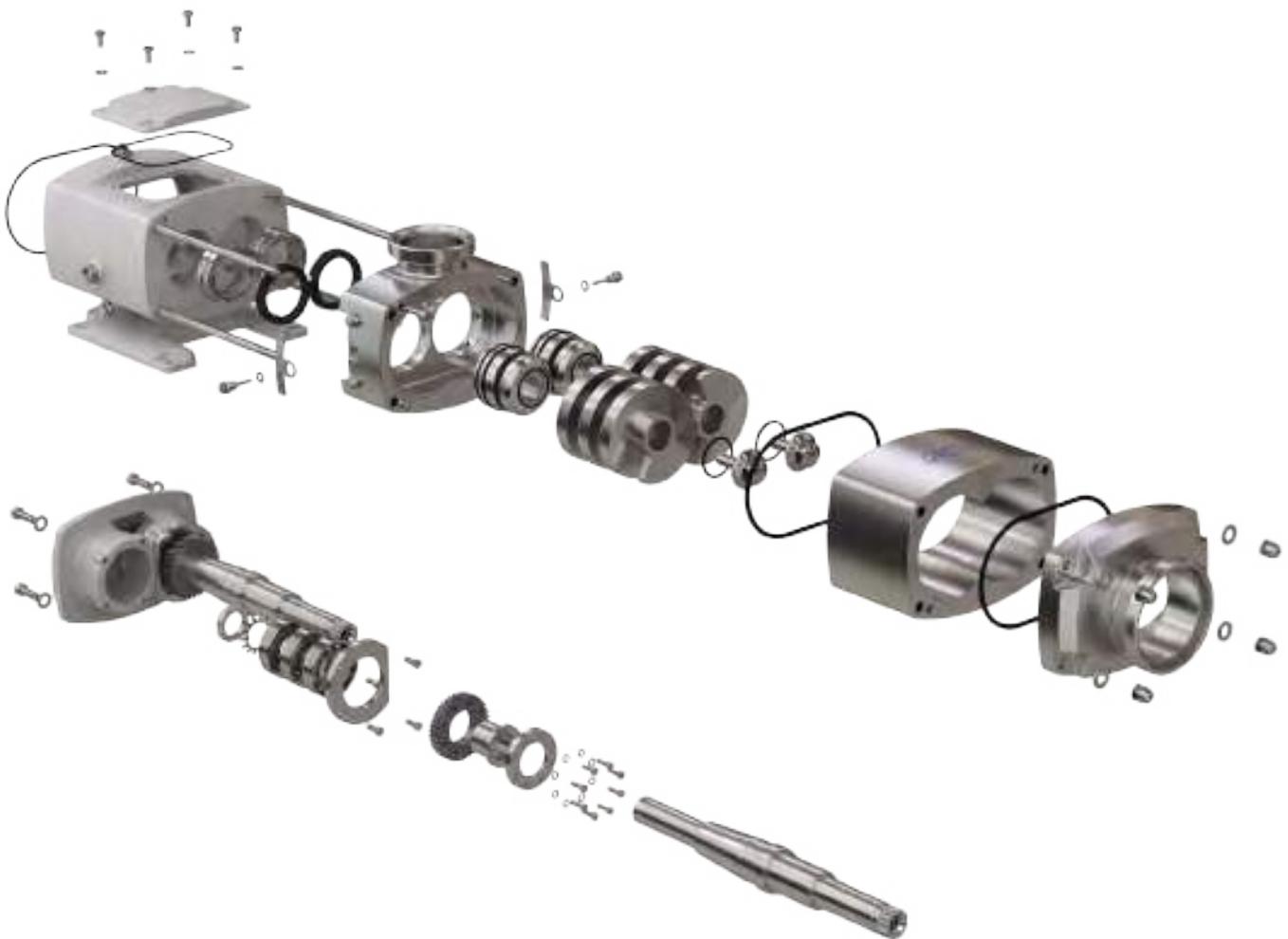




Close at hand

Hygienic Fluid Handling Spare Parts for Pumps, January 2020



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.



General information	1.1
Centrifugal Pumps	1.2
Circumferential Piston Pumps	1.3
Rotary Lobe Pumps	1.4
Twin Screw Pumps	1.5

1.1 General information

Genuine spare parts and service kits	
Genuine spare parts and service kits	1.1.7
Service tools	
Genuine spare parts and service kits	1.1.8
Technical information - stainless steel and rubber materials	
Technical data	1.1.9
360° service portfolio	
360° service portfolio	1.1.11
Service and maintenance training	
Service and maintenance training	1.1.12
Preventive maintenance guidelines	
Maintenance schedule for pumps	1.1.13
Maintenance schedule for rotary lobe pumps	1.1.14
360° service & maintenance videos	
360° service & maintenance videos for pumps	1.1.17

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 contain 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

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 materials

Technical data

Stainless steel

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 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. The resistance to ozone is excellent.

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. It is sufficiently 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 consequently 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 abrasive 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 ¹⁾	HNBR ²⁾	EPDM ³⁾	Q ⁴⁾	FPM ⁵⁾	PTFE ⁶⁾
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
Ozyne 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	

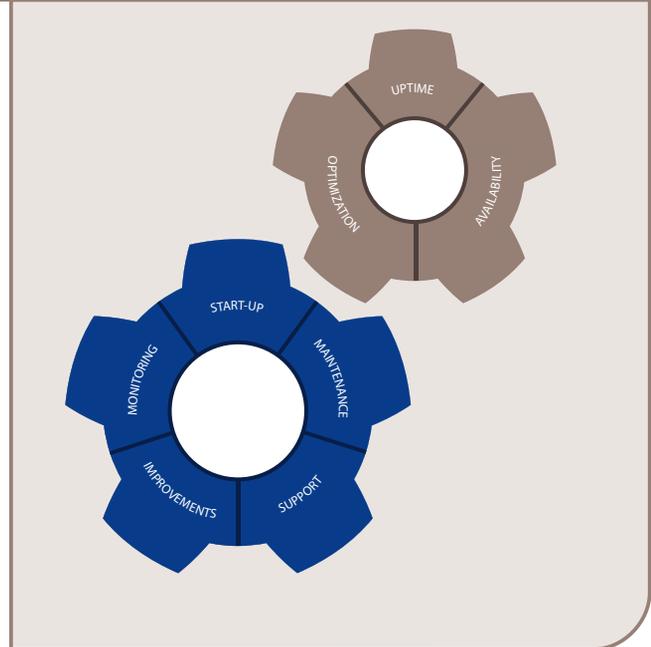
Services that extend performance

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

Maintenance schedule for pumps

Plan your budget and your downtime

Why rely on corrective maintenance? You react to poor operation or breakdowns. You perform maintenance at uncertain intervals and inconvenient times, and you lose money due to costly, unplanned downtime. The safest, most cost-effective approach is planned maintenance, using the simple Alfa Laval preventive maintenance schedules in combination with genuine Alfa Laval spare parts. (See overleaf for schedules.) You are able to plan your operating budget and your downtime. The risk of breakdowns due to component failure is virtually eliminated and your operating costs are lower in the long term

Alfa Laval Service Kits

Alfa Laval Service Kits are available for scheduled maintenance on Alfa Laval pumps and valves. They can be ordered using the Alfa Laval Service Kit catalogue, or log on to our e-Business website.

- Each Service Kit contains all the spare parts you need. Simply order the kit, rather than a list of individual items.
- Each Service Kit has a single part number, so you have fewer stock numbers to deal with.
- The price of the kit is less than the total price of the individual items.
- You don't need to carry a large spare parts inventory.

Spare part catalogue

Our comprehensive catalogue gives details of all Alfa Laval Service Kits and their part numbers for ordering purposes.



Pumps	Shaft seal	Rubber seal
Preventive maintenance Recommended spare parts: Complete service kit	Replace after 12 months or 3,000 running hours. Please contact Alfa Laval for Positive Displacement guidance.	Replace after 12 months or 3,000 running hours.
Leakage maintenance	Replace "at the end of the day". Complete shaft seal.	Replace when replacing the shaft seal.
Planned maintenance	Regular inspection for leakage and smooth operation. Keep a record of the pump. Use the statistics for planning of inspections. Replace after leakage.	Replace when replacing the shaft seal.
Lubrication	Before fitting. Use USDA-H1 approved (e.g. Molycote 111) to lubricate o-rings.	Before fitting. Use USDA-H1 approved (e.g. Molycote 111).

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

Preventive maintenance guidelines

Maintenance schedule for rotary lobe pumps

Plan your budget and your downtime

Why rely on corrective maintenance? You react to poor operation or breakdowns. You perform maintenance at uncertain intervals and inconvenient times, and you lose money due to costly, unplanned downtime.

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Maintenance schedule for rotary lobe pumps

Weekly schedule should include:

- Checking the oil level in the gearbox with the pump stationary.
- Checking mechanical seals for any leakage and replacing as necessary.
- Checking gearbox lip seals for any leakage and replacing as necessary.
- Checking pump suction and discharge pressures. It is advisable to install pressure gauges on both suction and discharge sides of the pump so that any problems within the pump and/or pipework system can be monitored.

Lubrication

Oil should be changed in the pump gearbox every 3000 hours of operation or a period of two years, whichever is sooner. The pump gearbox is filled with oil through the filler plug to the level indicated in the sight glass.



Recommended Spare Parts

Retained within the maintenance schedule should be a complete service kit with parts changed after 12 months operation. A service kit for SRU or SX pump fitted with 'standard' single mechanical seals will comprise of:

- 1 off Cover/Spline Sealing Kit
- 2 off Mechanical Seal Service Kits
- 1 off Lip seal, drive end
- 2 off Lip seals, gland end

Recommended oil grades as follows:

Pump operating temperature

-20°C to +130°C (-4°F to + 266°F)	+130°C to 200°C (+266°F to 392°F)
- BP Energol GR-XP150	- BP GRS15
- Castrol Alpha SP150	- Castrol Alpha SN150
- Mobil Gear 629	- Mobil Glycoyle 30
- Shell Omala 150	- Shell Tivela WA
- Texaco Meropa 150	- Texaco Synlube SAE90
- Esso Spartan EP150	- Esso IL1947

Oil capacities – litres

Pump model	Port orientation	
	Horizontal	Vertical
SRU1, SX1	0.4	0.3
SRU2, SX2	0.7	0.6
SRU3, SX3	1.5	1.1
SRU4, SX4	2.0	1.5
SRU5, SX5	0.6 – top chamber 1.4 – bottom chamber	5.0
SRU6, SX6	1.3 – top chamber 2.3 – bottom chamber	8.5
SX7	-	12.5

Oil capacities – US gallons

Pump model	Port orientation	
	Horizontal	Vertical
SRU1, SX1	0.11	0.06
SRU2, SX2	0.18	0.16
SRU3, SX3	0.40	0.29
SRU4, SX4	0.53	0.40
SRU5, SX5	0.16 – top chamber 0.37 – bottom chamber	1.32
SRU6, SX6	0.34 – top chamber 0.61 – bottom chamber	2.25
SX7	-	3.30

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:

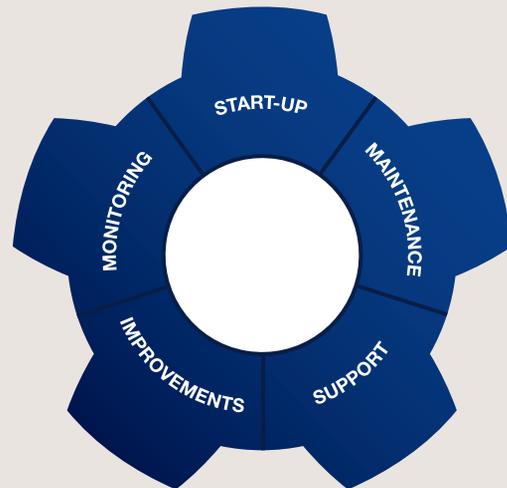
- Short and informative - focus on vital service steps
- Clear demonstrations of how to use the different tools
- English speak
- Available on YouTube and Alfa Laval Anytime, our eBusiness

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

Alfa Laval LKH centrifugal pumps - change single shaft seal

Alfa Laval LKH centrifugal pumps - double mechanical single shaft seal

Alfa Laval LKH centrifugal pumps - change flushed shaft seal

Alfa Laval LKH Prime pumps - change single shaft seal

Alfa Laval LKH Prime pumps - double mechanical shaft seal

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

Alfa Laval SCPP-2 circumferential piston pumps - disassemble

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

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

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

1.2 Centrifugal Pumps

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

Spare parts

LKH - wet end	1.2.28
LKH - product wetted parts (US version)	1.2.36
LKH - motor dependent parts	1.2.40
LKH - motor dependent parts (US version)	1.2.46
LKH - shaft seal and service kits	1.2.48
LKH - shaft seal and service kits (US version)	1.2.58
LKHex - wet end	1.2.68
LKHex - motor dependent parts (LKH10-70)	1.2.72
LKHex - shaft seal and service kits	1.2.80
LKHex UltraPure - wet end	1.2.86
LKHex UltraPure - motor dependent parts	1.2.90
LKHex UltraPure - shaft seal and service kits	1.2.94
LKH-112 Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.96
LKH-112US Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.100
LKH-113 Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.104
LKH-113US Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.108
LKH-114 Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.110
LKH-114US Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.114
LKH-112-114 Multi-Stage Centrifugal Pump, shaft seals	1.2.116
LKH-112-114US Multi-Stage Centrifugal Pump, shaft seal	1.2.118
LKH-122/P Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.120
LKH-122US Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.124
LKH-123/P Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.128
LKH-123US Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.132
LKH-124/P Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.136
LKH-124US Multi-Stage Centrifugal Pump, single and flushed shaft seal	1.2.140
LKH-122-124/P Multi-Stage Centrifugal Pump, shaft seal	1.2.144
LKH-122-124/P US Multi-Stage Centrifugal Pump, shaft seal	1.2.146
LKHPF - wet end	1.2.148
LKHPF - wet end (US version)	1.2.152
LKHPF - motor dependent parts	1.2.154
LKHPF - motor dependent parts (US version)	1.2.158
LKHPF - shaft seals and service kits	1.2.160
LKHPF- shaft seals and service kits (US version)	1.2.164
LKHI - wet end	1.2.166
LKHI - motor dependent parts	1.2.170
LKHI - shaft seal and service kits	1.2.174
LKH UltraPure - product wetted parts	1.2.178

1.2 Centrifugal Pumps

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

LKH UltraPure - product wetted parts (US version)	1.2.182
LKH UltraPure - motor dependent parts	1.2.186
LKH UltraPure - motor depended (US version)	1.2.190
LKH UltraPure - shaft seal and service kits	1.2.192
LKH UltraPure - shaft seal and service kits (US version)	1.2.194
LKH Prime - wet end	1.2.196
LKH Prime - wet end (US version)	1.2.198
LKH Prime - motor dependent parts	1.2.200
LKH Prime - motor dependent parts (US version)	1.2.204
LKH Prime - shaft seal and service kits	1.2.208
LKH Prime - shaft seal and service kits (US version)	1.2.214
LKH Prime UltraPure - wet end	1.2.220
LKH Prime UltraPure - wet end (US version)	1.2.224
LKH Prime UltraPure - motor dependent parts	1.2.228
LKH Prime UltraPure - motor dependent parts (US version)	1.2.230
LKH Prime UltraPure - shaft seal and service kits	1.2.232
LKH Prime UltraPure - shaft seal and service kits (US version)	1.2.234
LKH Evap - wet end	1.2.236
LKH Evap - wet end (US version)	1.2.240
LKH Evap - motor dependent parts	1.2.242
LKH Evap - motor dependent parts (US version)	1.2.246
LKH Evap - shaft seal and service kits	1.2.248
LKH Evap - shaft seal and service kits (US version)	1.2.254
SolidC - wet end	1.2.262
SolidC - wet end (US version)	1.2.264
SolidC - motor dependent parts	1.2.266
SolidC - motor dependent parts (US version)	1.2.268
SolidC - shaft seal and service kits	1.2.270
SolidC - shaft seal and service kits (US version)	1.2.274
SolidC UltraPure - wet end	1.2.278
SolidC UltraPure - wet end (US version)	1.2.280
SolidC UltraPure - motor dependent parts	1.2.282
SolidC UltraPure - motor dependent parts (US version)	1.2.284
SolidC UltraPure - shaft seal and service kits	1.2.286
SolidC UltraPure - shaft seal and service kits (US version)	1.2.288
i-CP2000 centrifugal pump	1.2.290
i-CP100 - wet end	1.2.298
i-CP100 - motor dependent parts	1.2.300
i-CP100 - shaft seal and service kits	1.2.304

1.2 Centrifugal Pumps

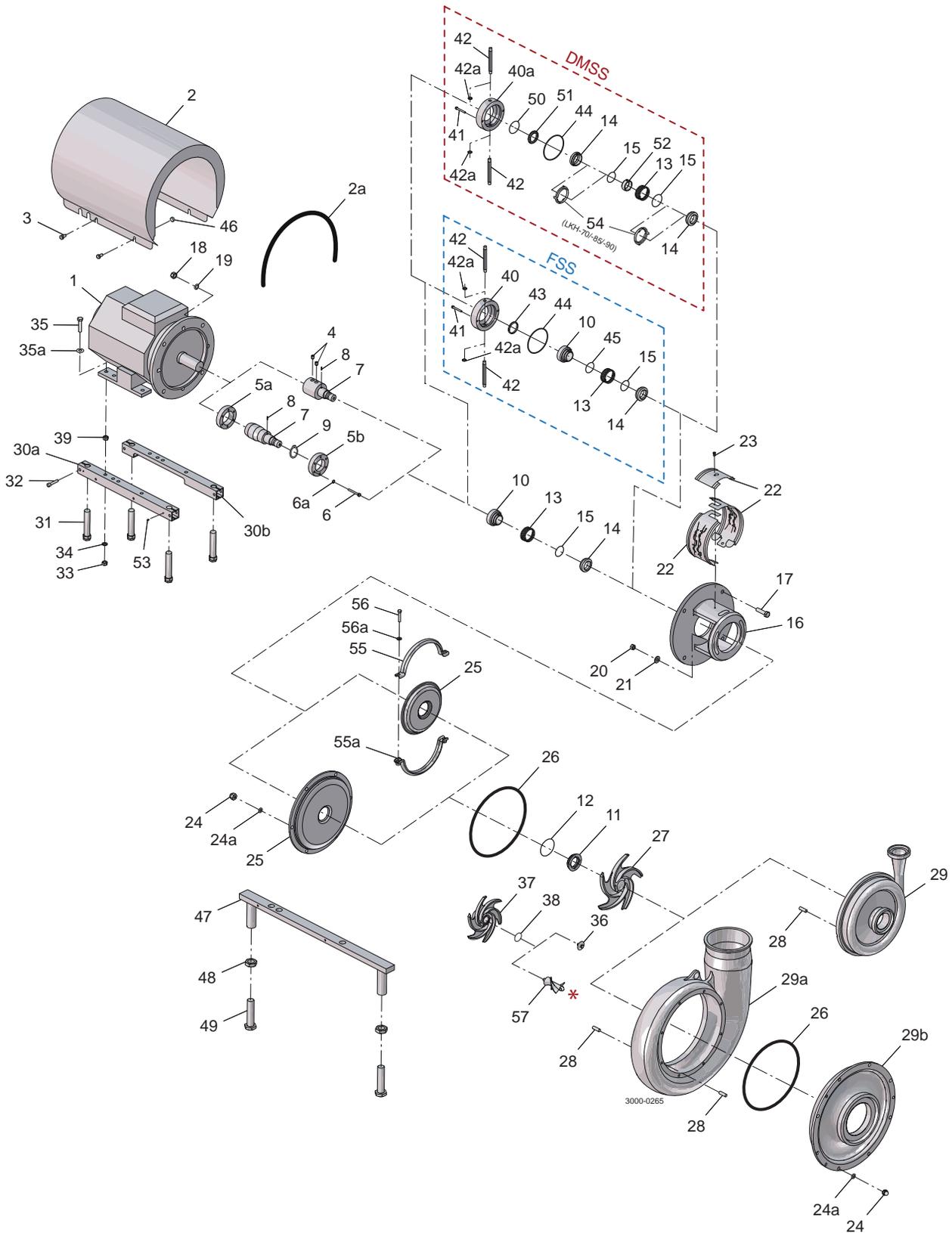
The centrifugal pumps from Alfa Laval are your best solution to pump liquids gently and efficiently.

FM-OS Centrifugal Pump, single shaft seal	1.2.310
FM-OS Centrifugal Pump, flushed shaft seal	1.2.312
GM Centrifugal Pump	1.2.314
GM-A Centrifugal Pump	1.2.318
MR Liquid Ring Pump - wet end	1.2.322
MR Liquid Ring Pump - motor dependent parts	1.2.324
MR Liquid Ring Pump - shaft seal and service kits	1.2.326
MR-166US Liquid-ring pump	1.2.328
MR-185US and -200US Liquid-ring pump	1.2.332
Service tools	
Service tools	1.2.336
Spare parts for obsolete products	
LKH-30 Centrifugal Pump	1.2.338
LKH-80 Centrifugal Pump	1.2.344
LKH-80 Centrifugal Pump, shaft seal	1.2.348
LKHSP (obsolete from September 4 th 2017)	1.2.350
LKHP-10 Pump for high inlet pressure	1.2.352
LKHP-15 Pump for high inlet pressure	1.2.356
LKHP-20 Pump for high inlet pressure	1.2.360
LKHP-25 Pump for high inlet pressure	1.2.364
LKHP-35 Pump for high inlet pressure	1.2.368
LKHP-40 Pump for high inlet pressure	1.2.372
LKHP-45 Pump for high inlet pressure	1.2.376
LKHP-50 Pump for high inlet pressure	1.2.380
LKHP-60 Pump for high inlet pressure	1.2.384
LKHP-70 Pump for high inlet pressure	1.2.388
Centrifugal Pump, ALC-1 D-seal	1.2.392
Centrifugal Pump, ALC-1 flushed shaft seal	1.2.396
Centrifugal Pump, ALC-2 D-seal	1.2.400
Centrifugal Pump, ALC-2 flushed shaft seal	1.2.404
Centrifugal Pump, ALC-3 D-seal	1.2.408
Centrifugal Pump, ALC-3 flushed shaft seal	1.2.412
Centrifugal Pump ALC-1, older legs	1.2.416
Centrifugal Pump type ALC-2, legs	1.2.418
Centrifugal Pump ALC-3, legs	1.2.420
FM-0 Centrifugal Pump, single shaft seal	1.2.422
FM-0 Centrifugal Pump, double shaft seal	1.2.424
Centrifugal Pumps Types FM-1A & FM-2A, single shaft seal	1.2.428

1.2 Centrifugal Pumps

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

Centrifugal Pumps Types FM-1A & FM-2A, double shaft seal	1.2.432
Centrifugal Pumps Types FM-3A & FM-4A, single shaft seal	1.2.436
Centrifugal Pumps Types FM-3A & FM-4A, double shaft seal	1.2.440
Centrifugal Pump, type RM-2 - 7.5 kW single shaft seal	1.2.444
Centrifugal Pump, type RM-2 and RM-3 - 11-18.5 kW single shaft seal	1.2.448
Centrifugal Pump, type RM-2 and RM-3, double shaft seal	1.2.452
Centrifugal Pump, type ME-155AE, single shaft seal	1.2.454
Centrifugal Pump, type ME-155AE, double shaft seal	1.2.458
Vacuum Pump VAD-3	1.2.462
Vacuum Pump, type VAD-3 - tank	1.2.464
Vertical Pump, type LKVP	1.2.466
Defoaming Pump, type DZ-3RA & DZ-2RB	1.2.470
MR-166B Liquid Ring Pump	1.2.472
MR-185A and MR-200A Liquid Ring Pump	1.2.476
MR260A Liquid Ring Pump	1.2.480
MR UltraPure - wet end	1.2.482
MR UltraPure - wet end (US version)	1.2.484
MR UltraPure - motor dependent parts	1.2.486
MR UltraPure - motor dependent part (US version)	1.2.488
MR UltraPure - shaft seal	1.2.490
MR UltraPure - shaft seal (US version)	1.2.492
C series pumps	1.2.494
C series pumps, model C114	1.2.496
C series pumps, model C216	1.2.498
C series pumps, model C218 and C328	1.2.500
C series pumps, model C4410	1.2.502
SP series base mounted centrifugal pump	1.2.504
John Crane seal parts	1.2.508
CL Pumps, models CL2264, CL2265, CL2284, CL3285, CL3295	1.2.510
CL Pumps, models CL4311, CL4359, CL4378, CL4387, CL4488	1.2.512
CL Pumps, seal replacement parts - type DG (external balanced seal)	1.2.514
CL Pumps, seal replacement parts - type FG (water cooled single seal)	1.2.516
CL Pumps, seal replacement parts - type EG (water cooled, balanced double seal)	1.2.518
CL Pumps, seal replacement parts - John Crane double 8 seal	1.2.520

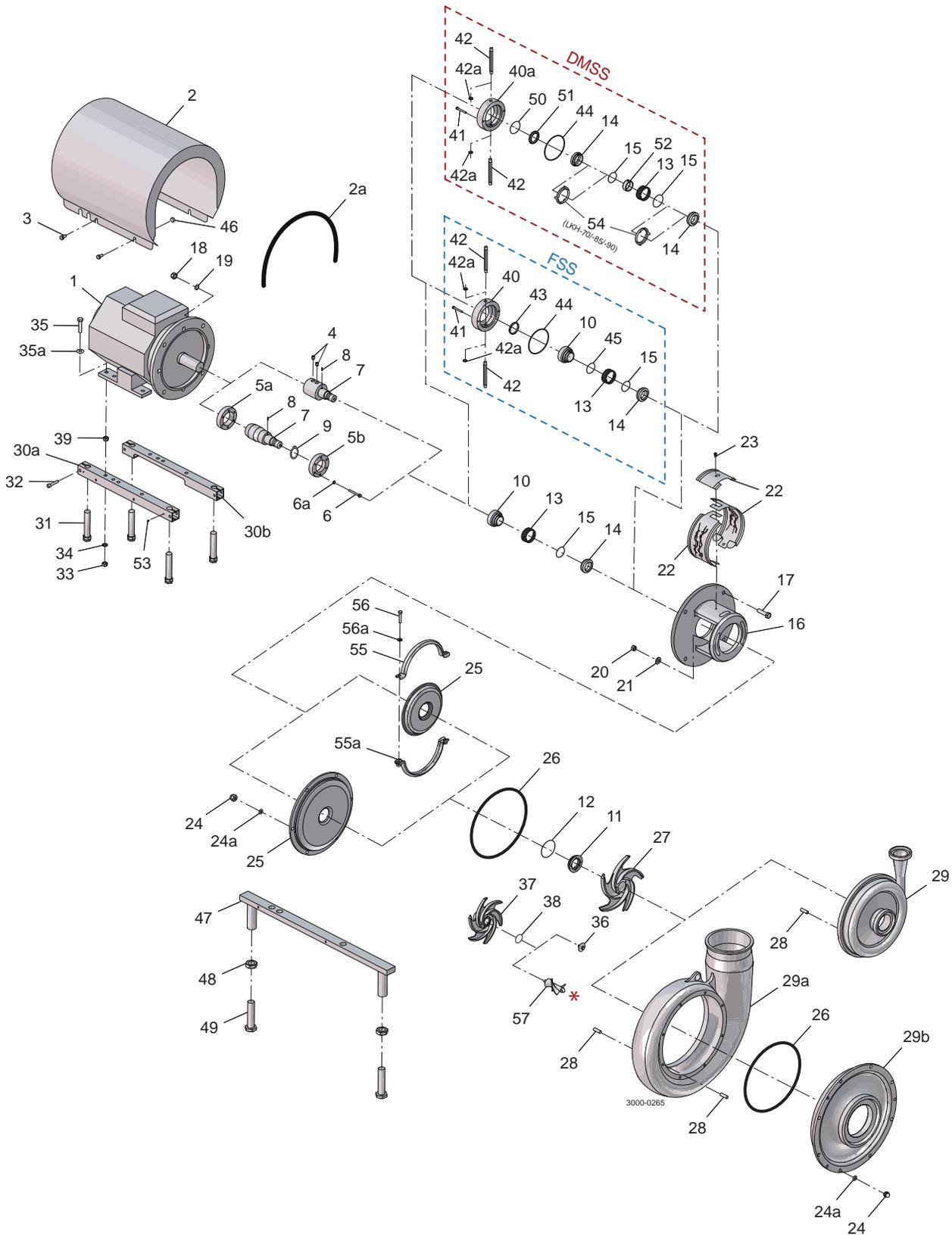


* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

Pos	Qty	Denomination	LKH-5	LKH-10	LKH-15	LKH-20
			IEC80-IEC90	IEC90-IEC112	IEC132	IEC90-IEC132
Pump casing std. blasted						
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
Pump casing std. blasted						
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 DN65/DN50		9612138010		
	1	Pump casing, Flange DN80/DN65	9612138009		9612138004	
	1	Pump casing, Flange DN100/DN80				9612138011

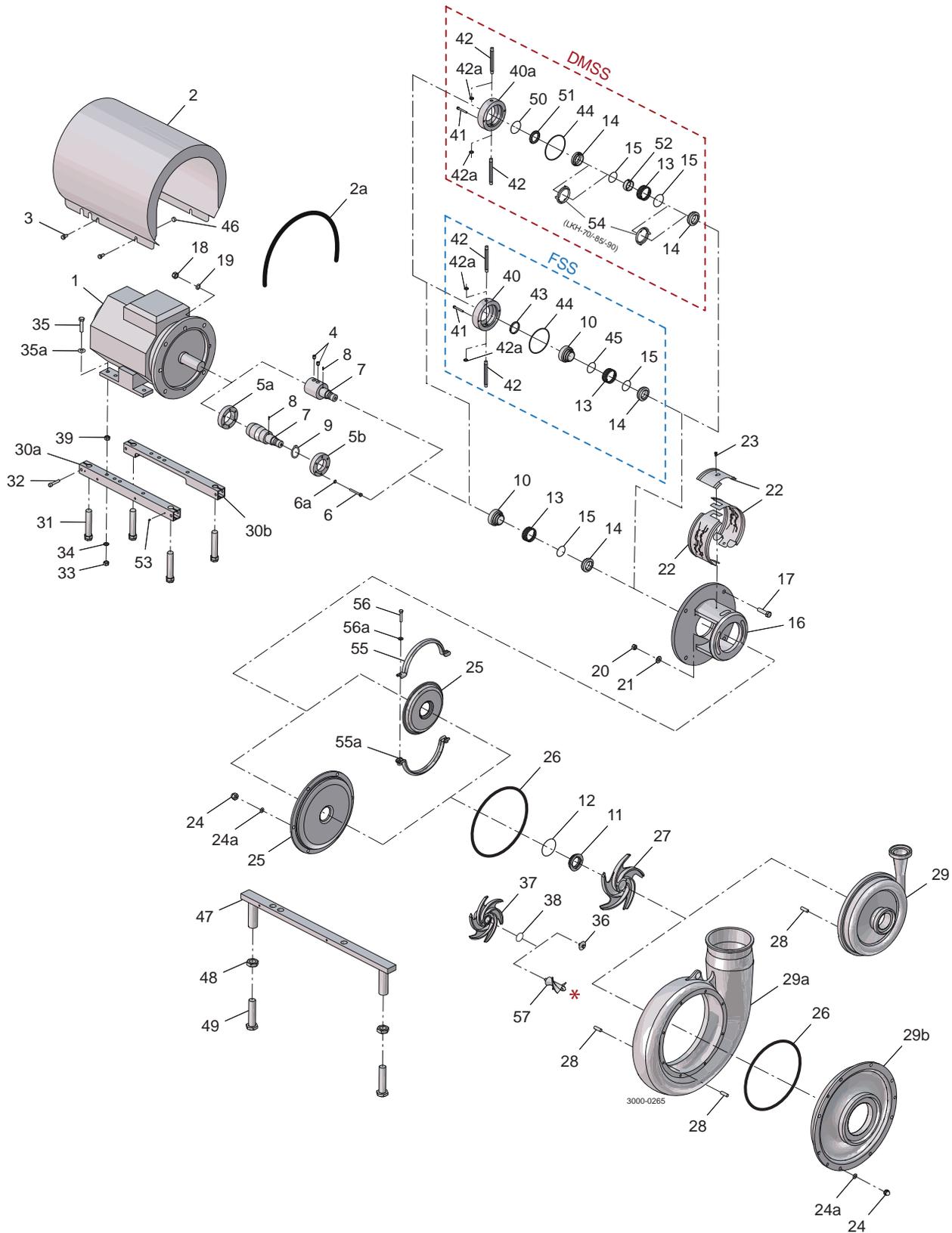
Pos	Qty	Denomination	LKH-50	LKH-60	LKH-70	LKH-85	LKH-90
			IEC132-IEC180	IEC132-IEC200	IEC132-IEC250	IEC200-IEC280	IEC200-IEC250
Pump casing std. blasted							
29	1	Pump casing, IDF	9612139821	9612355401	9612514701		
	1	Pump casing, SMS	9612139822	9612355402	9612514702		
	1	Pump casing, DIN/ISO	9612139823	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	IEC132	IEC90-IEC132
Pump casing Mech Ra ≤ 0.8						
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
Pump casing Mech Ra ≤ 0.8						
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
Pump casing Mech Ra ≤ 0.8							
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	

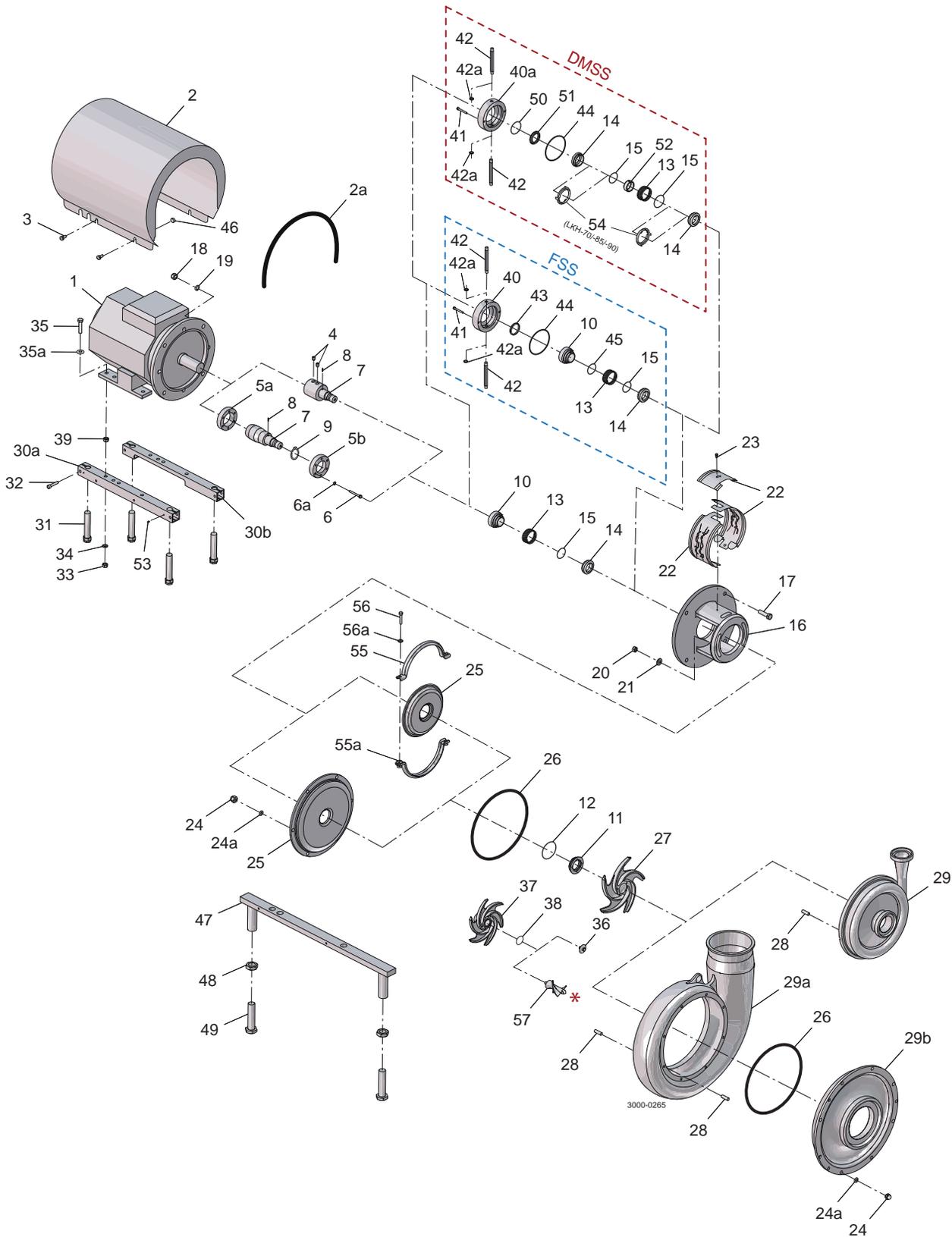


* If inducer (57) is retrofitted. Pump inlet may have to be slightly ground.

Pos	Qty	Denomination	LKH-5	LKH-10	LKH-15	LKH-20
			IEC80-IEC90	IEC90-IEC112	IEC132	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
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
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			

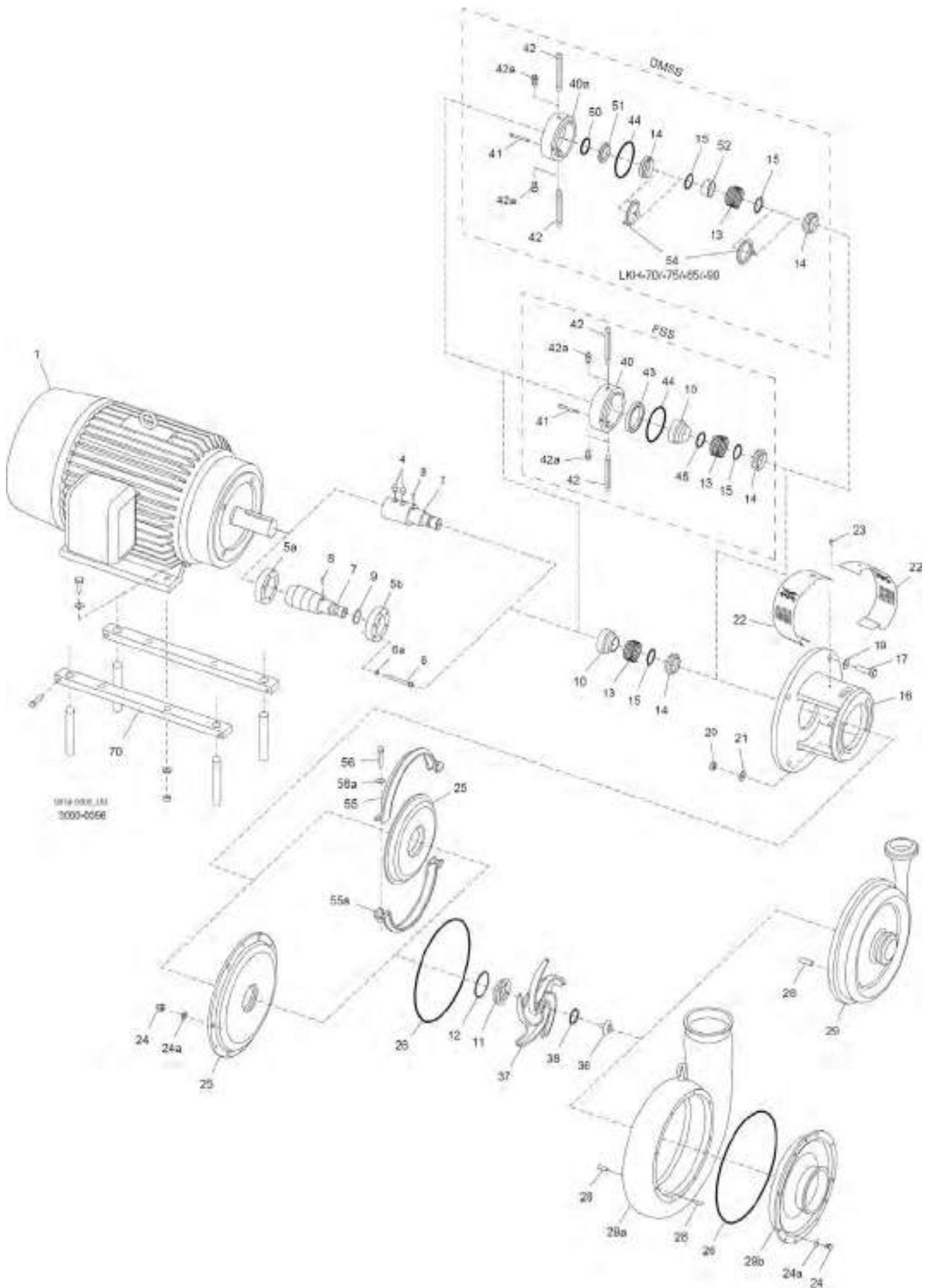
Pos	Qty	Denomination	LKH-25	LKH-35	LKH-40	LKH-45
			IEC112-IEC160	IEC112-IEC160	IEC132-IEC180	IEC112-IEC160
24	6	Cap nut	9611992593	9611992593	9611992593	9611992593
24a	6	Washer	9611991887	9611991887	9611991887	9611991887
28	6	Bolt	9611992169	9611992169	9611992169	9611992169
26	1	O-ring, EPDM (standard)	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
27	1	Impeller, std. blasted	9612425201	9612434101	9612131801	9612363001
	1	Impeller, Mech Ra ≤ 0.8	9612425205	9612434105	9612131805	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
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.



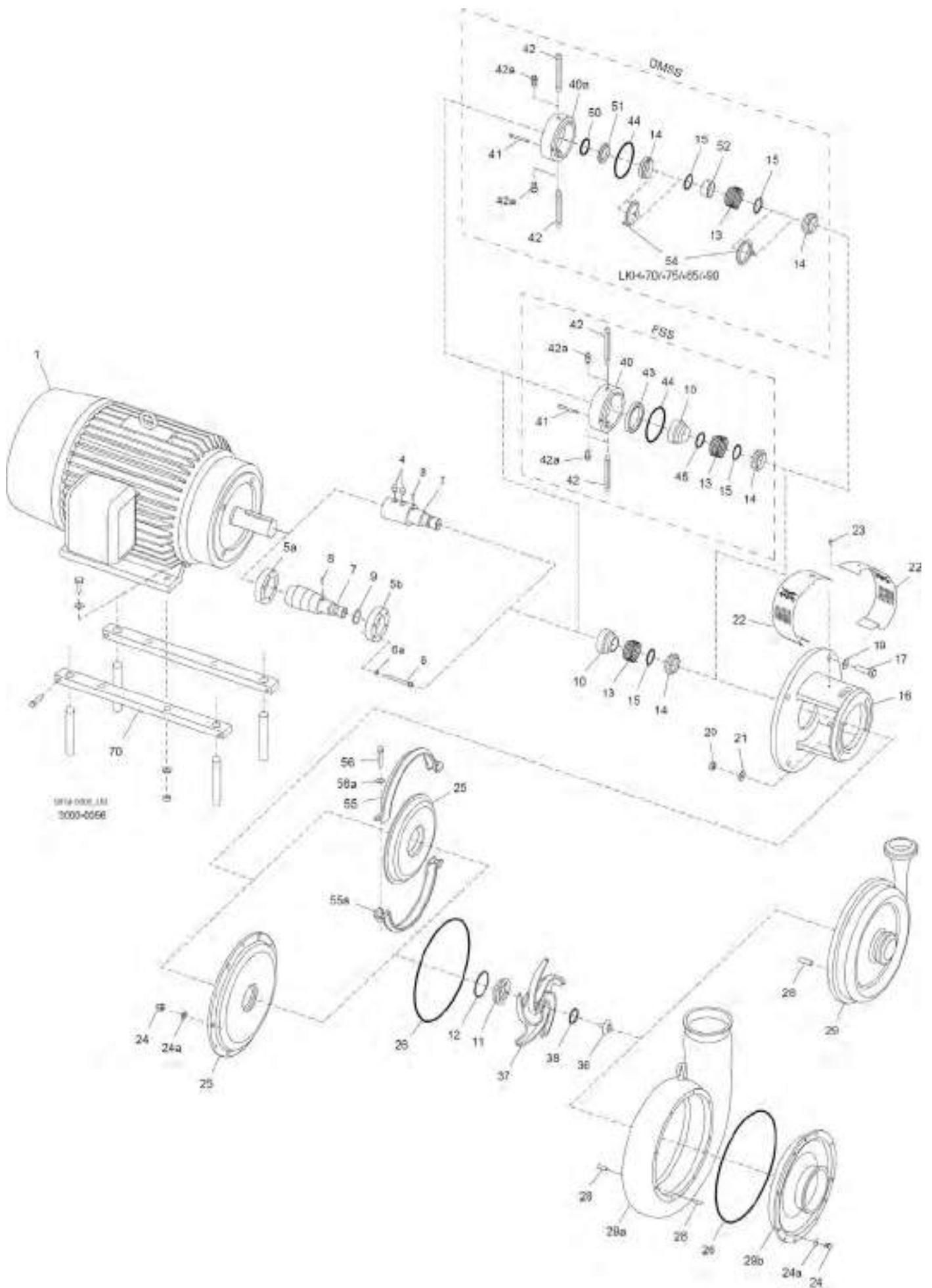
Pos	Qty	Denomination	LKH-50 IEC132- IEC180	LKH-60 IEC132- IEC200	LKH-70 IEC132- IEC250	LKH-85 IEC200- IEC280	LKH-90 IEC200- IEC250
24	6	Cap nut	9611992593	9611992593			
24a	6	Washer	9611991887	9611991887			
28	6	Bolt	9611992169	9611992169			
24	8	Cap nut			9611992593		
24a	8	Washer			9611991887		
28	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
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	9612499412	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
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.

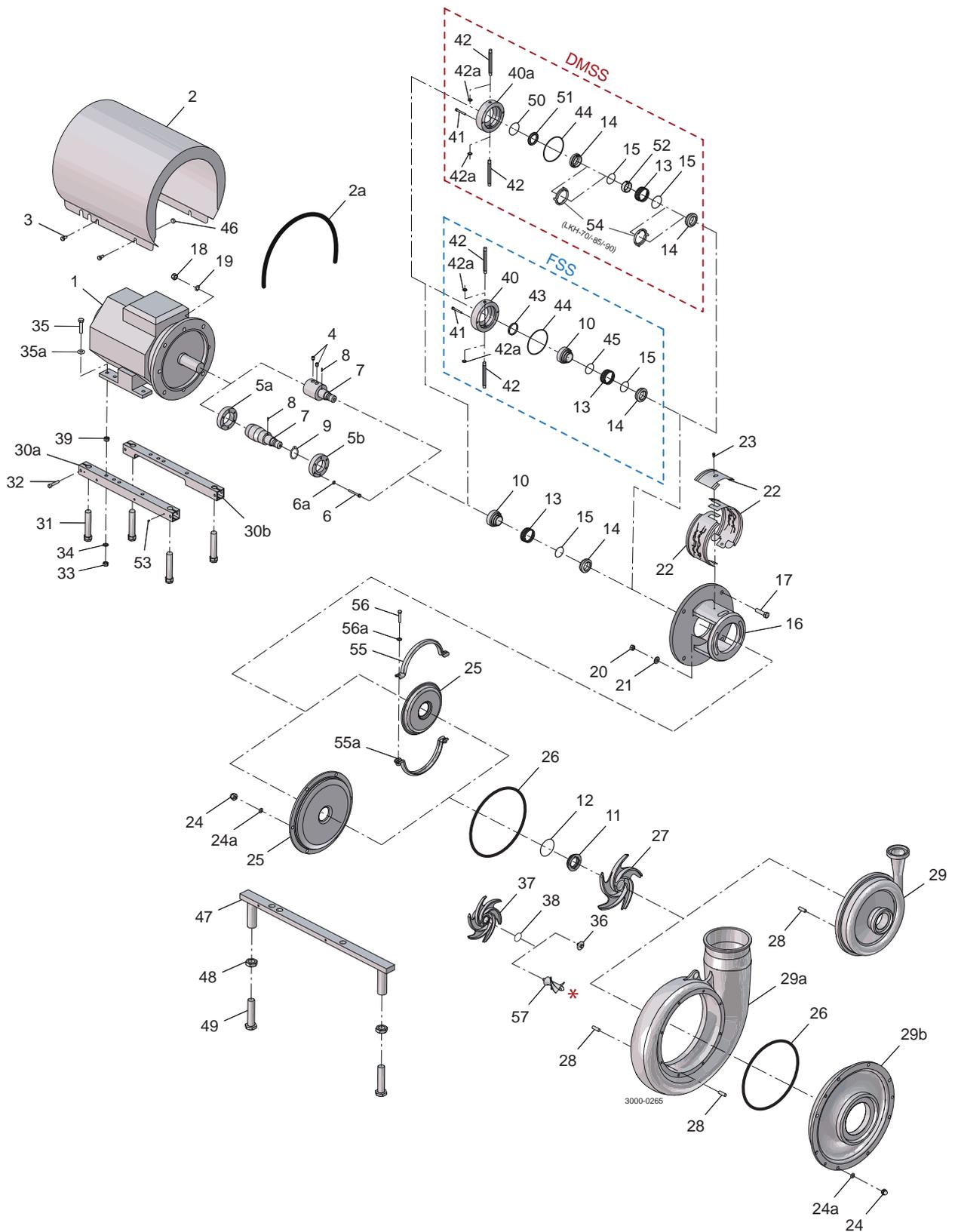


Pos	Qty	Denomination	LKH-5 1-3Hp	LKH-10 1-15Hp	LKH-15 2-15Hp	LKH-20 2-20Hp	LKH-25 2-30Hp
Pump Casing polished Ra ≤ 32							
29	1	Pump casing, Tri-clamp	9612128814	9612128812	9612129332	9612128921	9612129123
24	6	Cap nut		9611992592	9611992592	9611992592	9611992593
24a	6	Spring washer		9611991888	9611991888	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
37	1	Impeller polished Ra ≤ 32	9612587606	9612131228	9612431413	9612131418	9612425216
36	1	Impeller screw polished Ra ≤ 32	9612362703	9612139603	9612139603	9612139603	9612139603
38	◆★△◇⊕●	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
25	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
Pump Casing polished Ra ≤ 32							
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
37	1	Impeller polished Ra ≤ 32	9612434116	9612131816	9612363013	9612132015	9612128315
36	1	Impeller screw polished Ra ≤ 32	9612139603	9612139603	9612139603	9612139603	9612139603
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
25	1	Back plate polished Ra ≤ 32	9612138424	9612138422	9612138424	9612138422	9612138422
20	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559

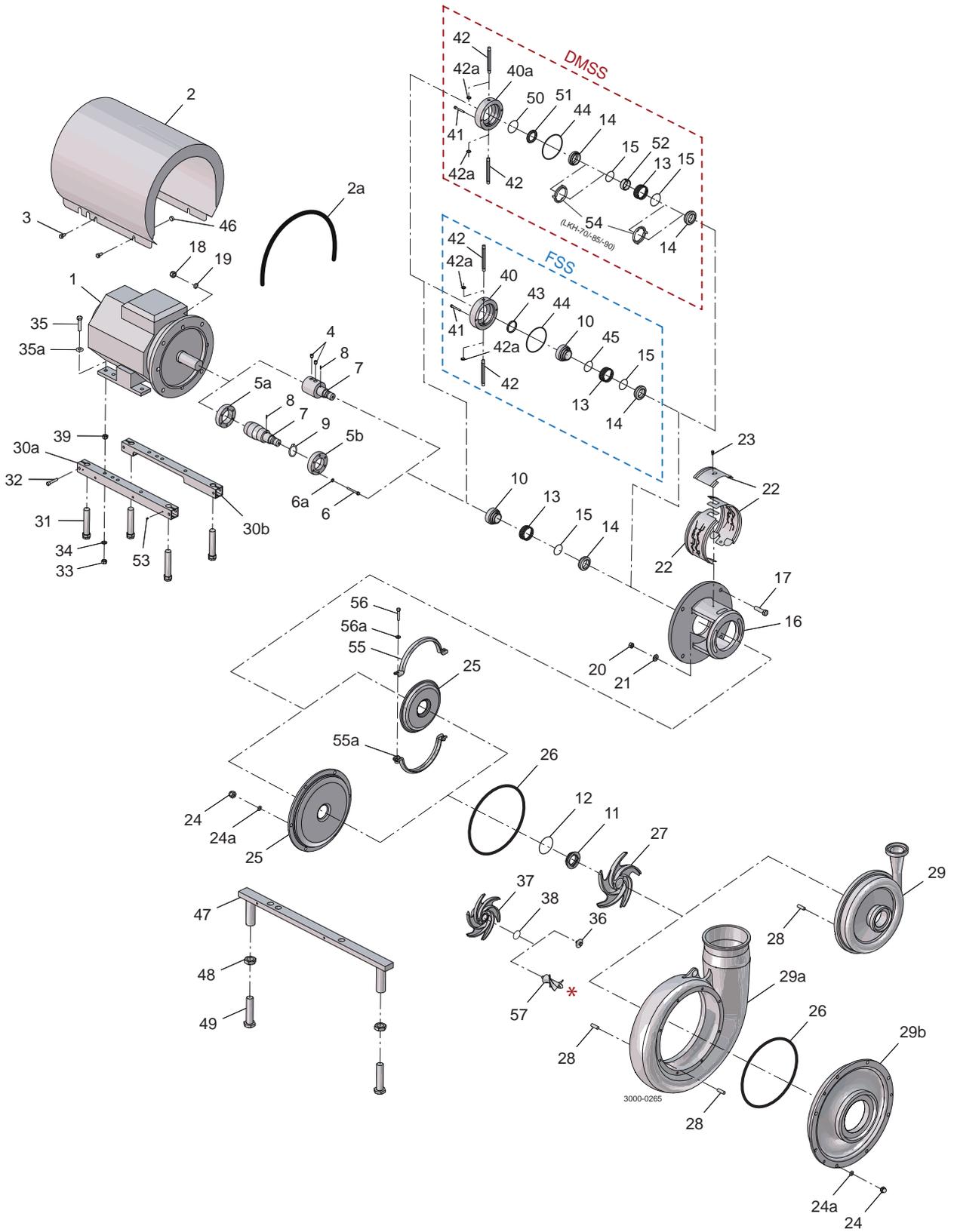


Pos	Qty	Denomination	LKH-70 7.5-100Hp	LKH-75 15-50Hp	LKH-85 40-150Hp	LKH-90 30-100Hp
Pump Casing polished Ra ≤ 32						
29	1	Pump casing, Tri-clamp	9612514729	9612514730		
29a	1	Pump casing, Tri-clamp			9613405507	9613405503
Pump Cover polished Ra ≤ 32						
29b	1	Pump cover, Tri-clamp			9613405107	9613405103
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
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
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



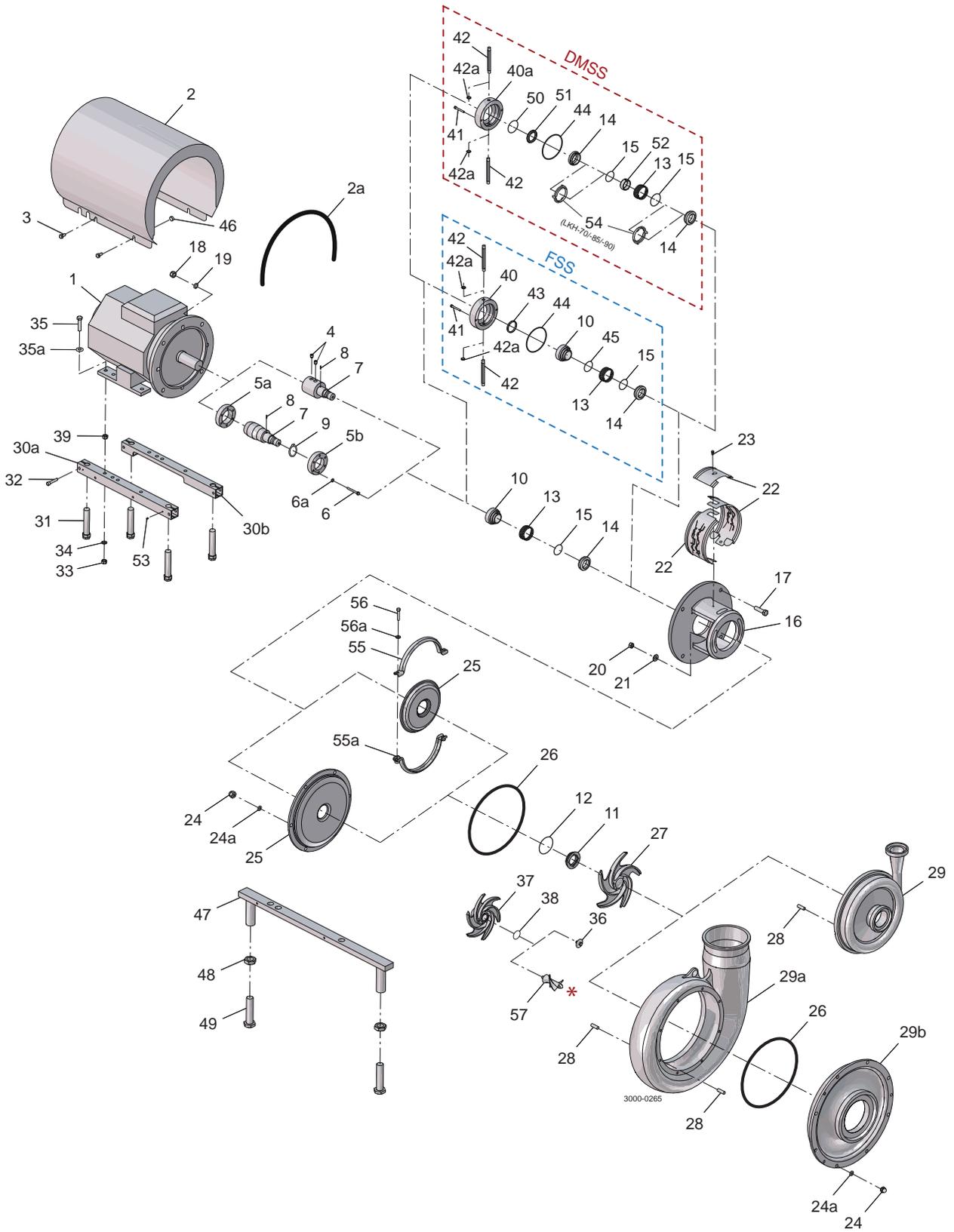
Pos	Qty	Denomination	LKH-5 IEC80	LKH-5 IEC90	LKH 10-60 IEC90	LKH 10-60 IEC100	LKH 10-60 IEC112
5a	1	Compression ring with thread			9612133601	9612133602	9612133602
5b	1	Compression ring without thread			9612133701	9612133702	9612133702
6	6	Screw			9611993196	9611993196	9611993196
6a	6	Washer			9611993199	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	9611990587
34	4	Spring washer	9611991887	9611990676	9611990676	9611990676
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



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	Screw 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	

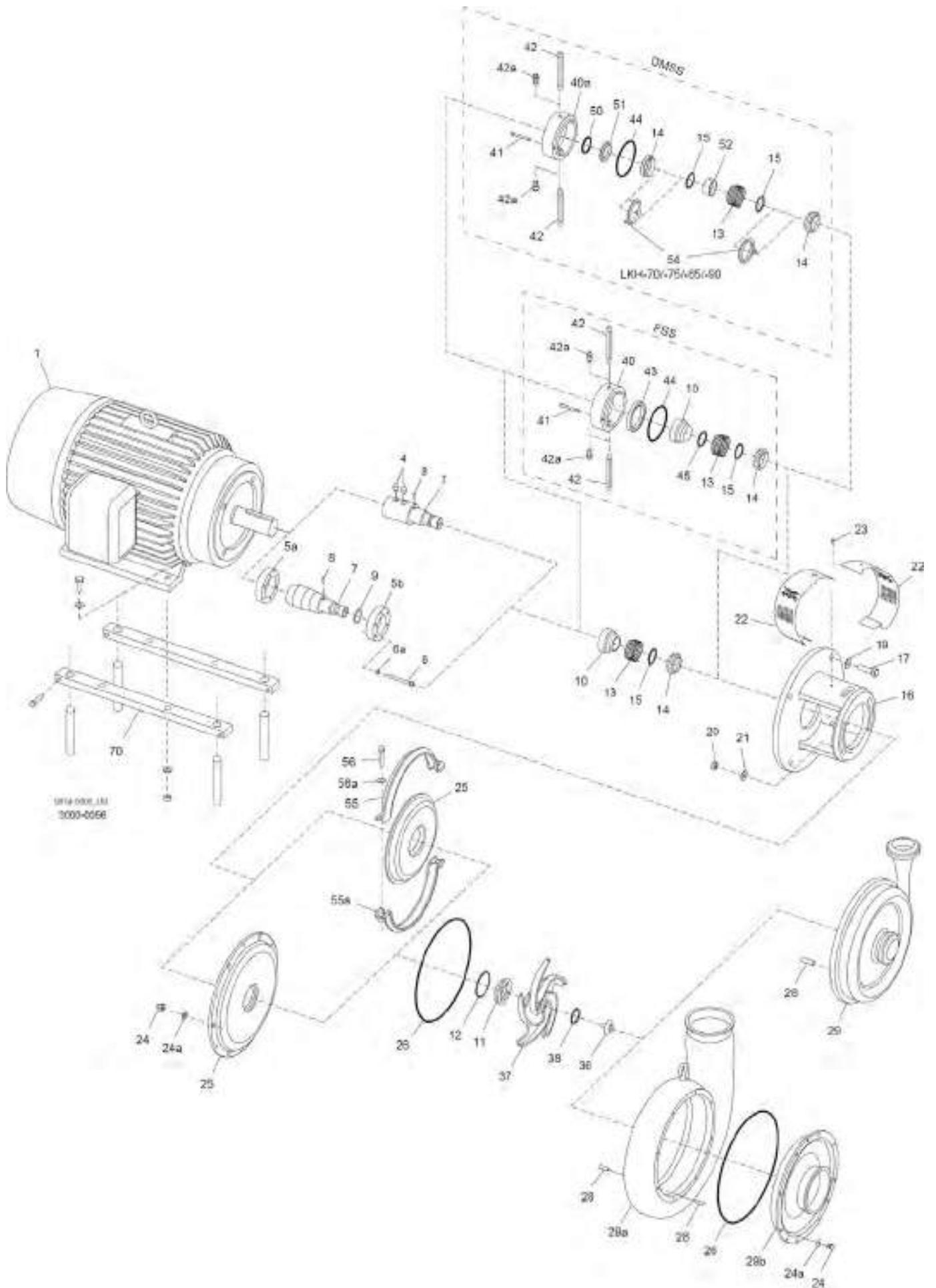
Pos	Qty	Denomination	LKH 90	LKH 85
			IEC250	IEC280
5a	1	Compression ring with thread	9612133609	9612133609
5b	1	Compression ring without thread	9612133709	9612133709
6	8	Screw	9611993266	9611993266
6a	8	Washer	9611993199	9611993199
7	1	Shaft incl. pin, (pos.8)	9613406501	9613406501
2	1	Shroud	9612593804	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



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	9614077415	9614077415	9614077416	9614077413	9614077405
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
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
23	1	Screw for safety guard	9611993239	9611993239	9611993239	9611993239	9611993239	9611993239
70	1	Leg bracket	481665	481669	9634056195	9634056196	9634056196	9634077517

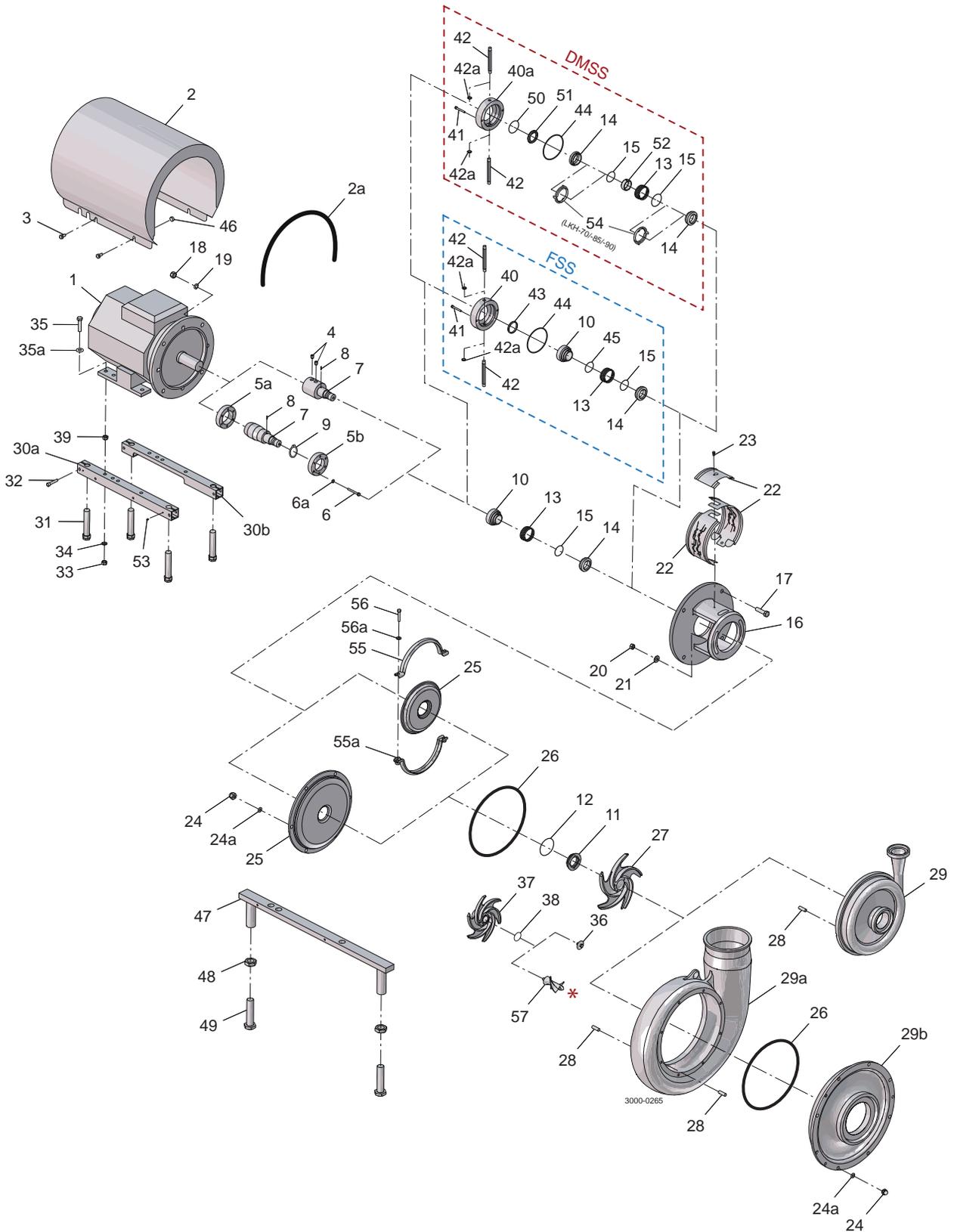
Pos	Qty	Denomination	1Hp	1Hp	1.5Hp	2hp	3Hp
1	1	Motor	56TC	143TC (1800 rpm)	143TC	145TC	182TC

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

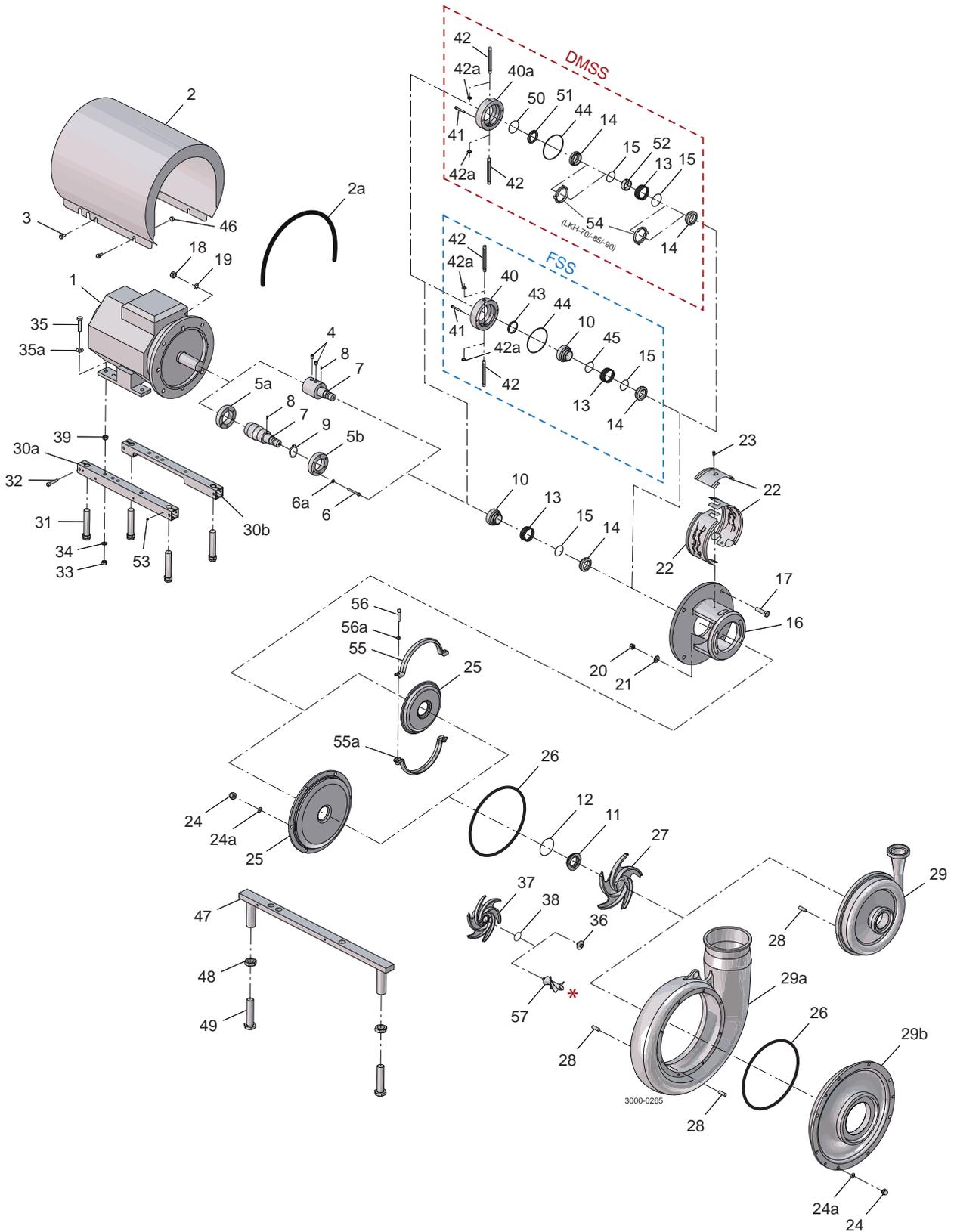
Pos	Qty	Denomination	25Hp	30Hp	40Hp	50Hp	60Hp
1	1	Motor	284TSC	286TSC	324TSC	326TSC	364TSC

Pos	Qty	Denomination	70Hp	100Hp	125Hp	150Hp
1	1	Motor	365TSC	405TSC	444TSC	445TSC

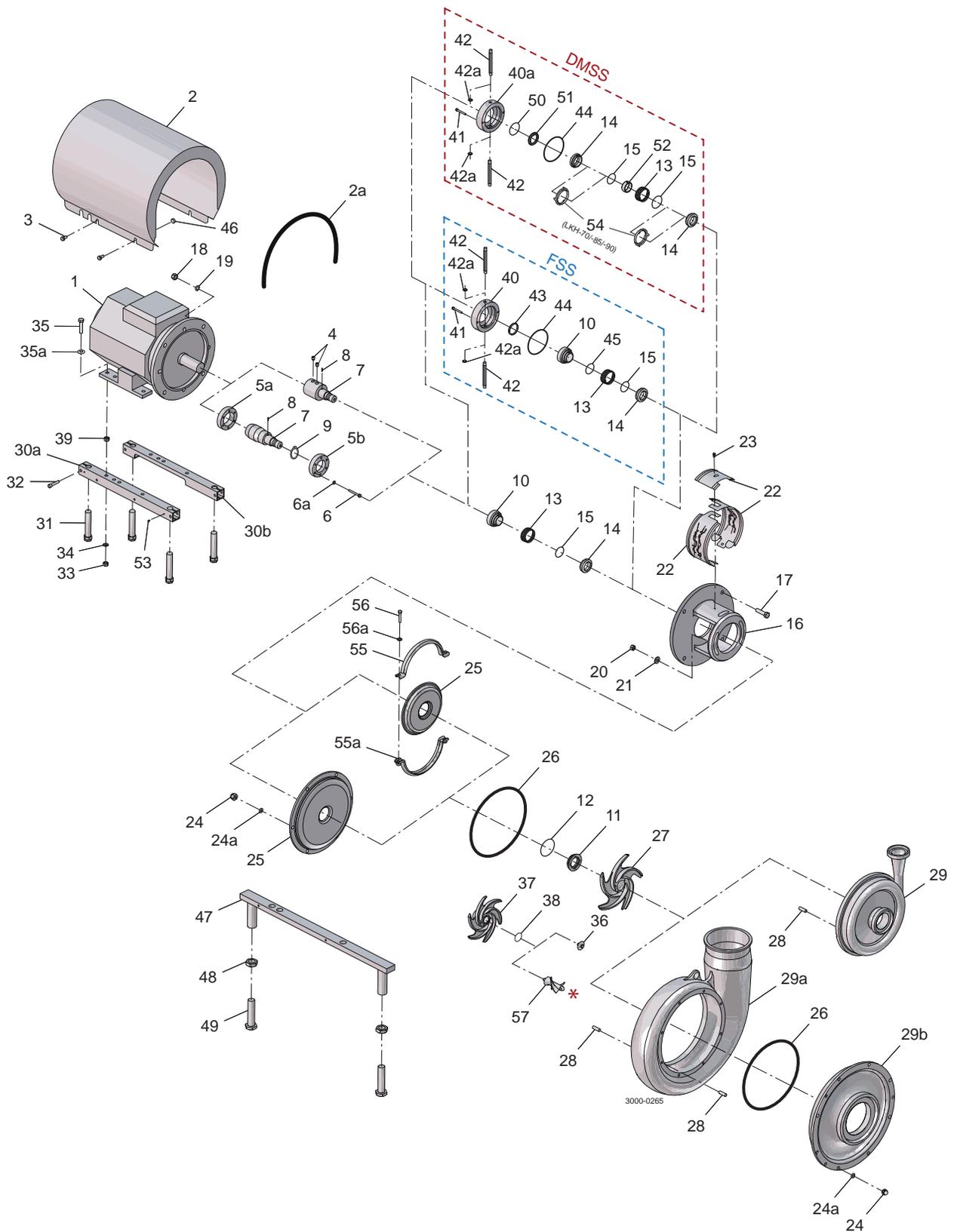
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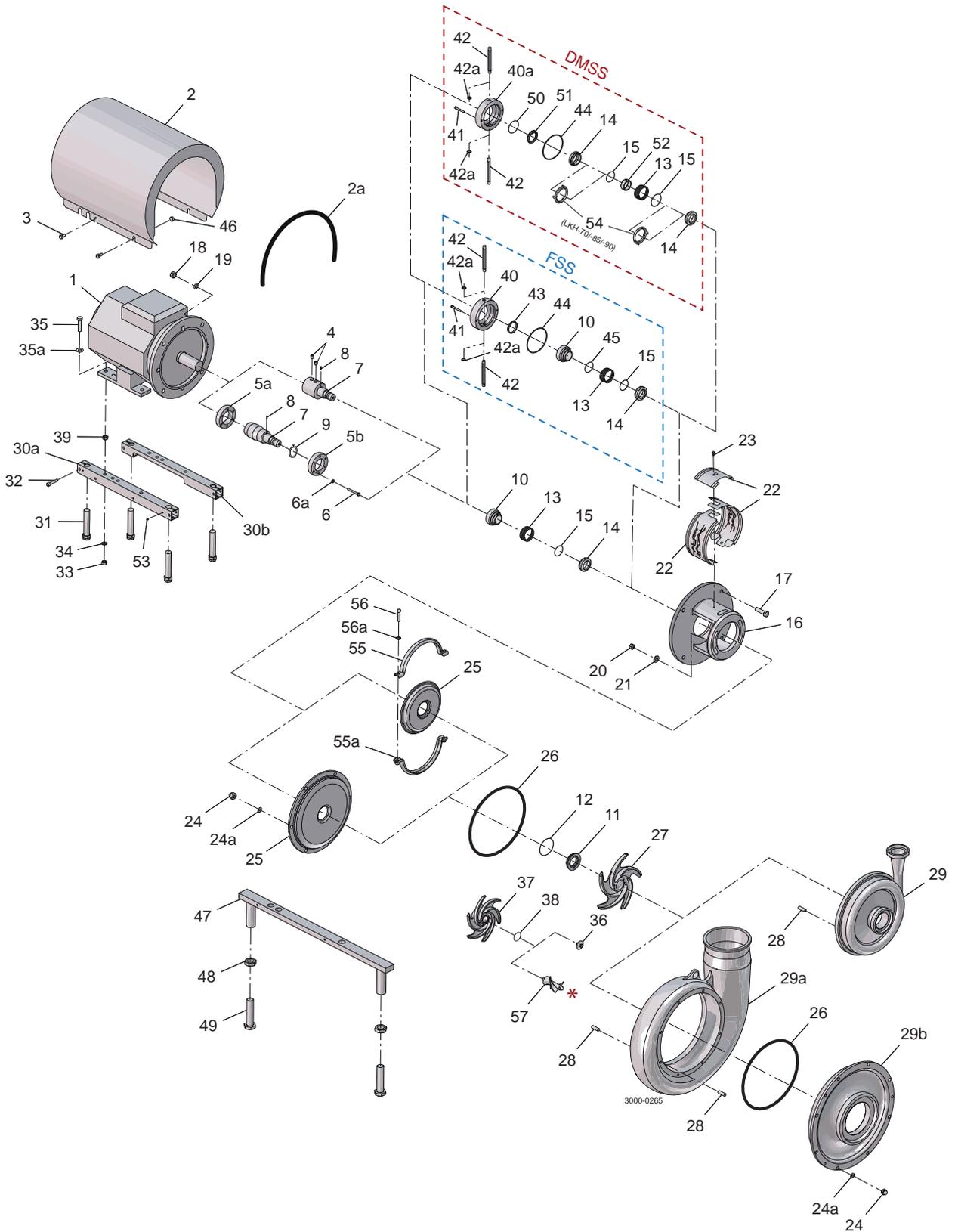
Pos	Qty	Denomination	LKH 5-20	LKH 25-60	LKH-70	LKH-85	LKH-90
Accessories							
	1	Tool complete	9612903601	9612903601	9612903701	9612903701	9612903701
Parts for flushed shaft seal							
40	1	Seal housing	9612133901	9612133901	9612514401	9612514401	9612514401
41	2	Screw for seal housing	9611990203	9611990203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



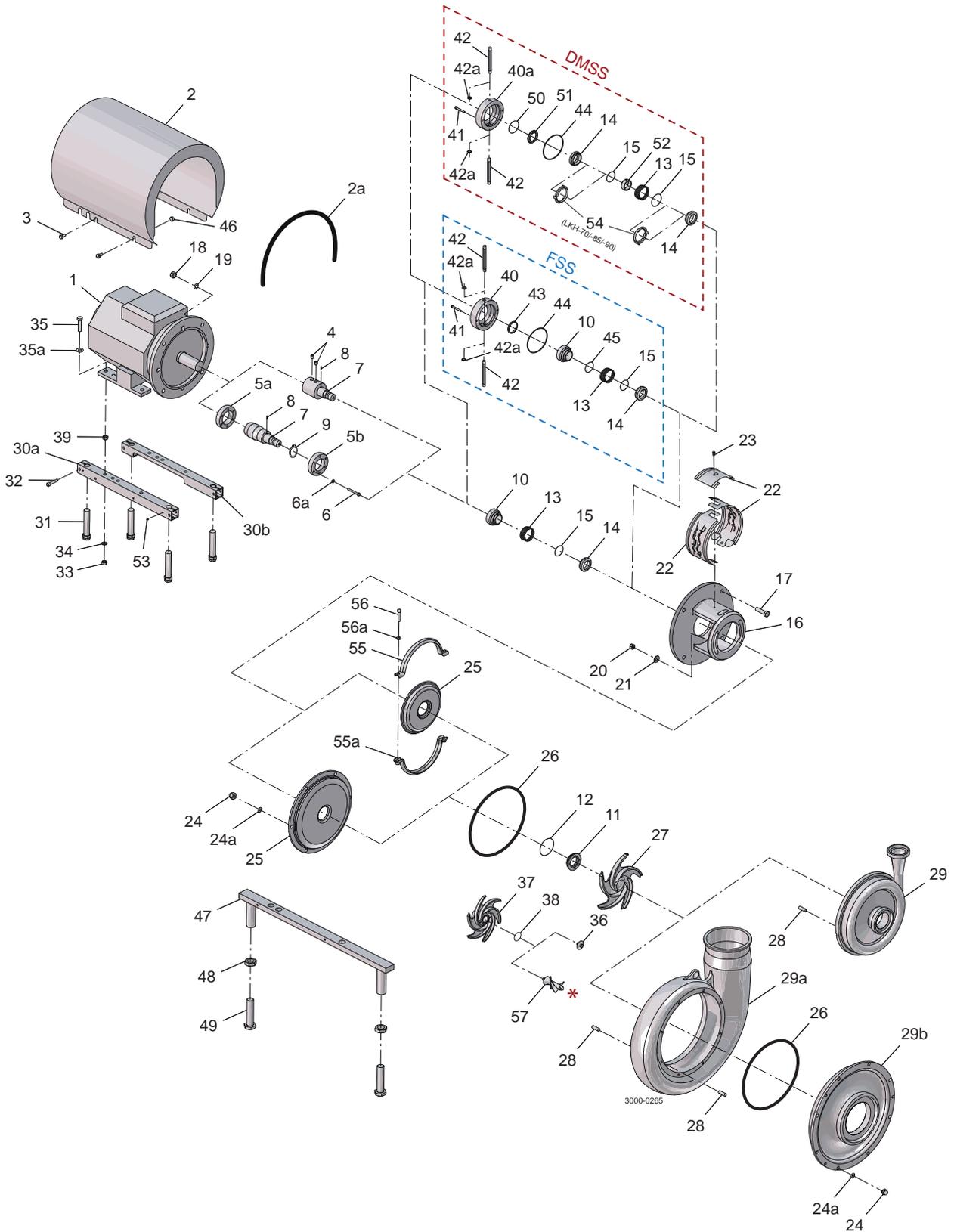
Pos	Qty	Denomination	LKH 5-60 EPDM	LKH 5-60 NBR	LKH 5-60 FPM	LKH 5-60 FEP
Single shaft seal (standard)						
		◻♦ Complete shaft seal, C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
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				
Flushed shaft seal (standard)						
		○★ 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				
Alternatives for flushed shaft seal						
		■◊ 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				
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				
54	2	Cup				
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				
54	2	Cup				



Pos	Qty	Denomination	LKH 70-90 EPDM	LKH 70-90 NBR	LKH 70-90 FPM	LKH 70-90 FEP
Single shaft seal (standard)						
	□◆	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	
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		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 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				
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
Service kit for single shaft seal C/SiC					
□	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
Service kit for single shaft seal SiC/SiC					
✧	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
Service kit for single shaft seal and impeller screw C/SiC					
◆	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
Service kit for single shaft seal and impeller screw SiC/SiC					
✧	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
Service kit for flushed shaft seal C/SiC					
○	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
Service kit for flushed shaft seal SiC/SiC					
■	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



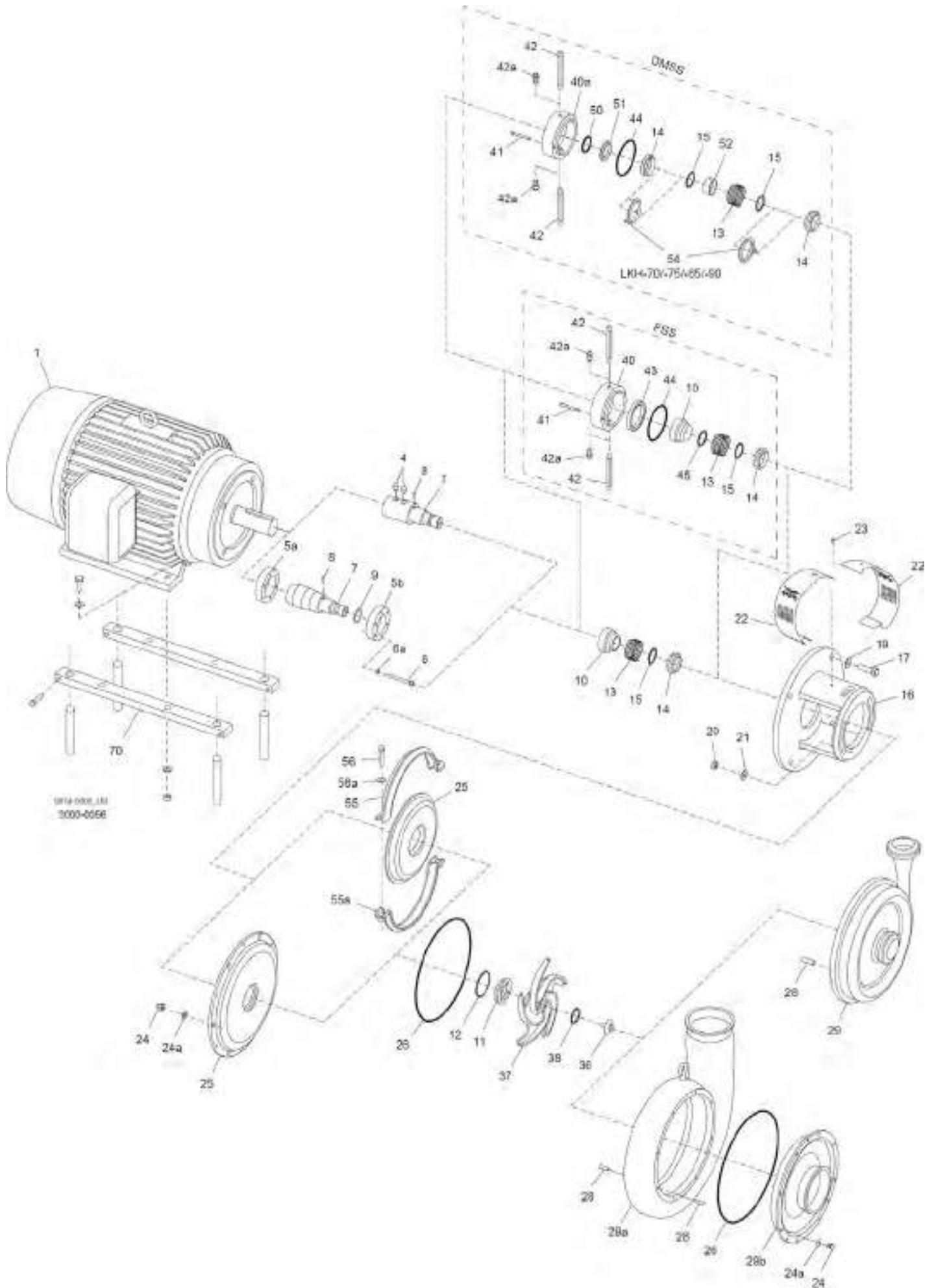
		EPDM	NBR	FPM	FEP
Service kit for flushed shaft seal and impeller screw C/SiC					
*	Service kit, C/SiC (LKH-5)	9611922314	9611922315	9611922316	9611922317
*	Service kit, C/SiC (LKH-10/15)	9611922118	9611922119	9611922120	9611922121
*	Service kit, C/SiC (LKH-20)	9611922126	9611922127	9611922128	9611922129
*	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
Service kit for flushed shaft seal and impeller screw SiC/SiC					
⊕	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
Service kit for double mechanical shaft seal C/SiC					
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
Service kit for double mechanical shaft seal SiC/SiC					
⊗	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
Service kit for double mechanical shaft seal and impeller screw C/SiC					
▲	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
Service kit for double mechanical shaft seal and impeller screw SiC/SiC					
●	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. (900601/9)

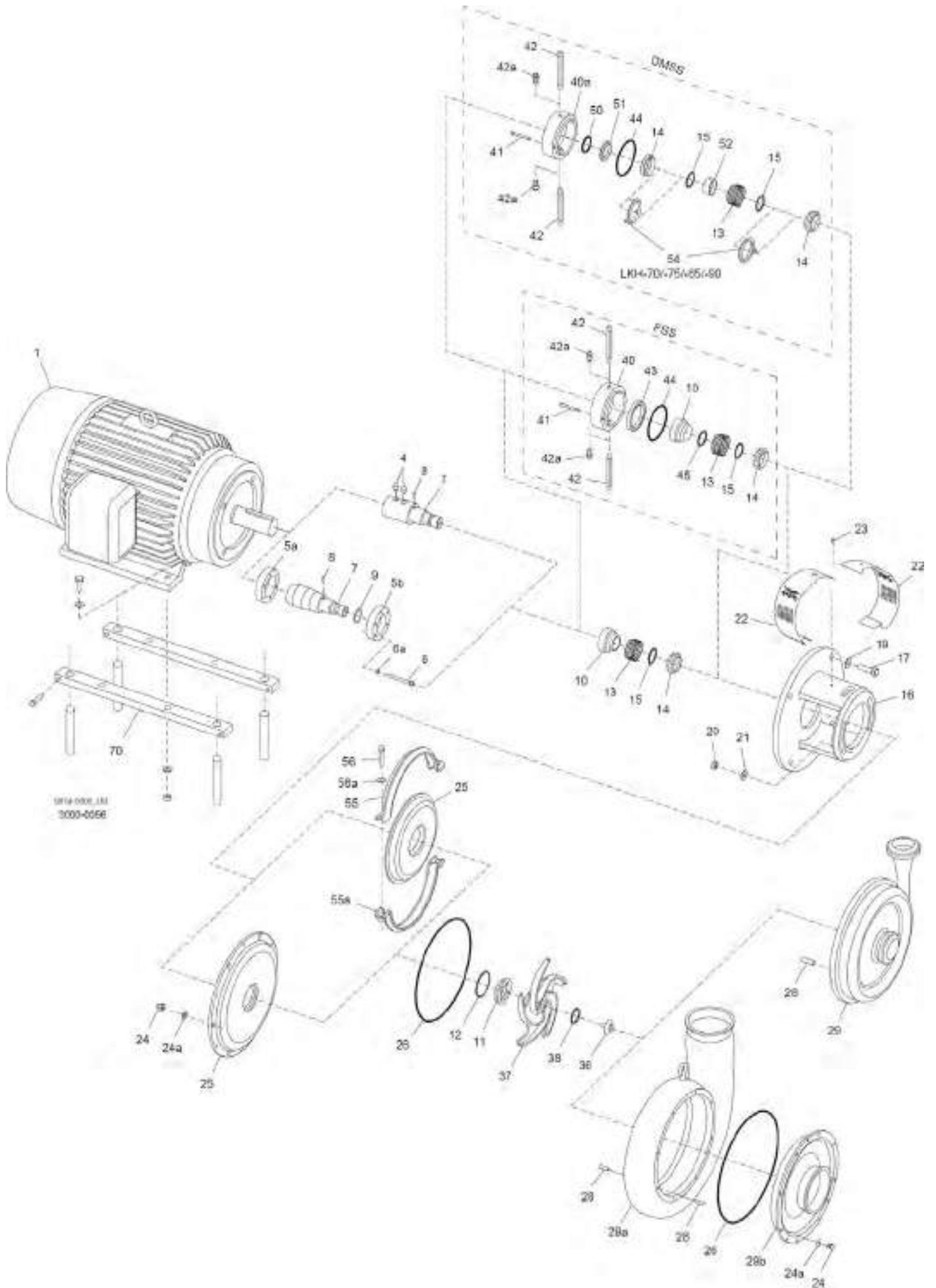
Conversion kit - single to double mechanical shaft seal: Please order double mechanical service kit + pos. 40a+41+42 (for LKH-85 pos 40a+41+42a).

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.

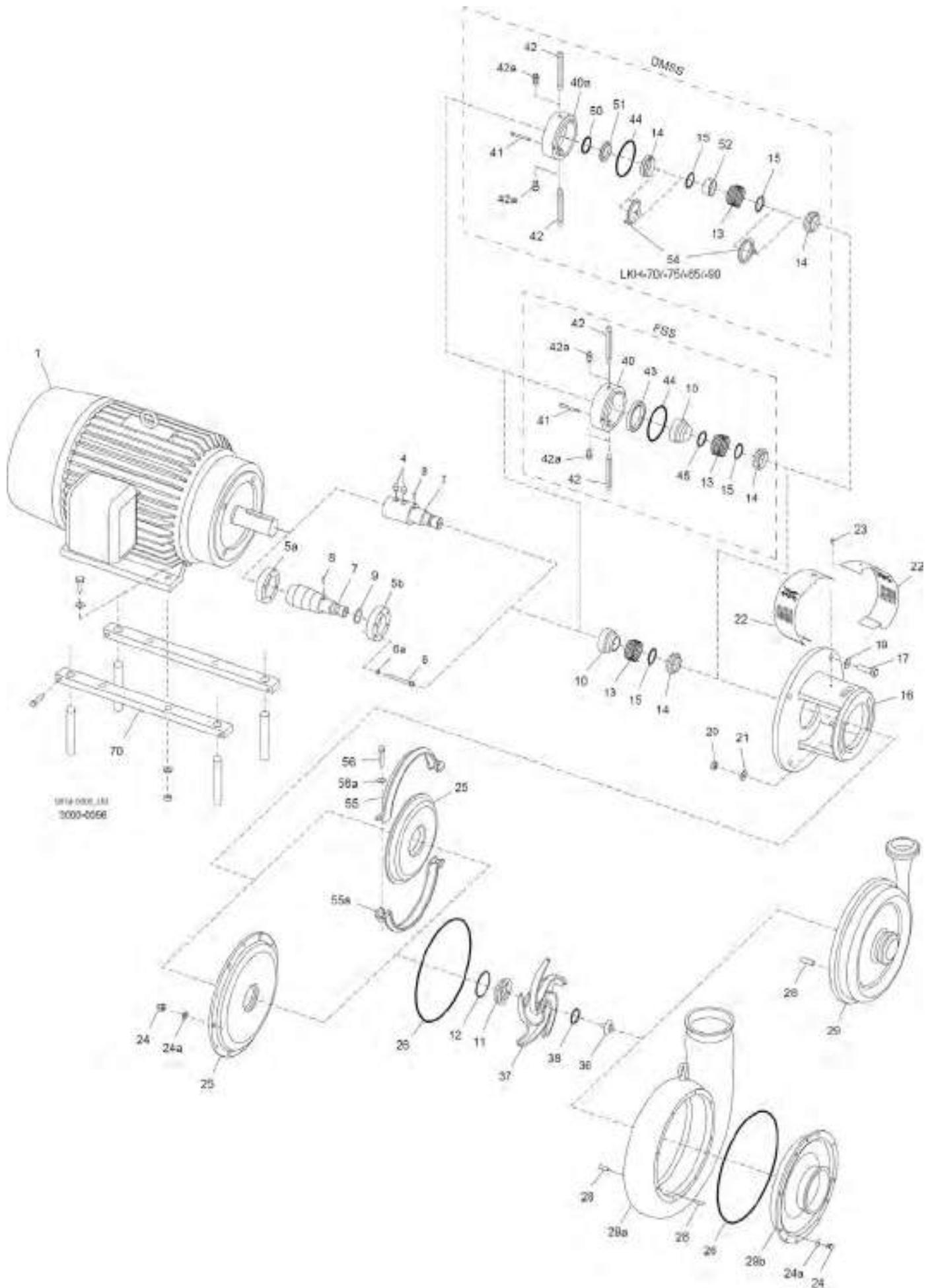


Pos	Qty	Denomination	LKH-5	LKH-10/15/20	LKH-25/35/40/45/50/60	LKH-70/75/90	LKH-85
Accessories							
	1	Tool complete	9612903601	9612137101	9612137101	9612903701	9612903701
Parts for Flushed Shaft Seal							
40	1	Seal housing (period 12.2014-)	9612133903	9612133903	9612133903	9612514403	9612514403
	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
Parts for Double Mechanical Shaft Seal							
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



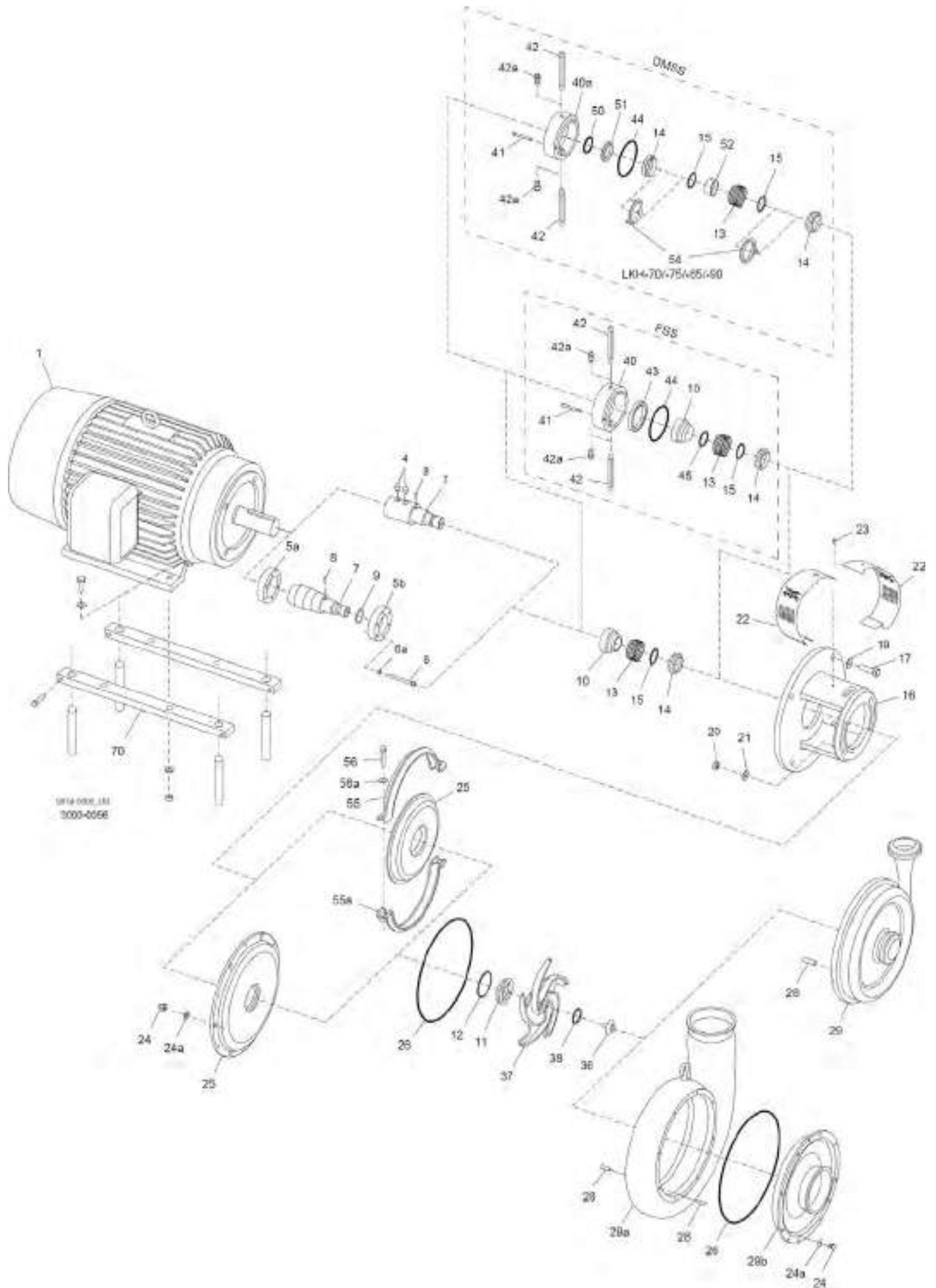
LKH 10-60

Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
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				
Flushed shaft seal (standard)						
★		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				
Alternatives for flushed shaft seal						
♣		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				
Double mechanical shaft seal (standard)						
△		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				
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				

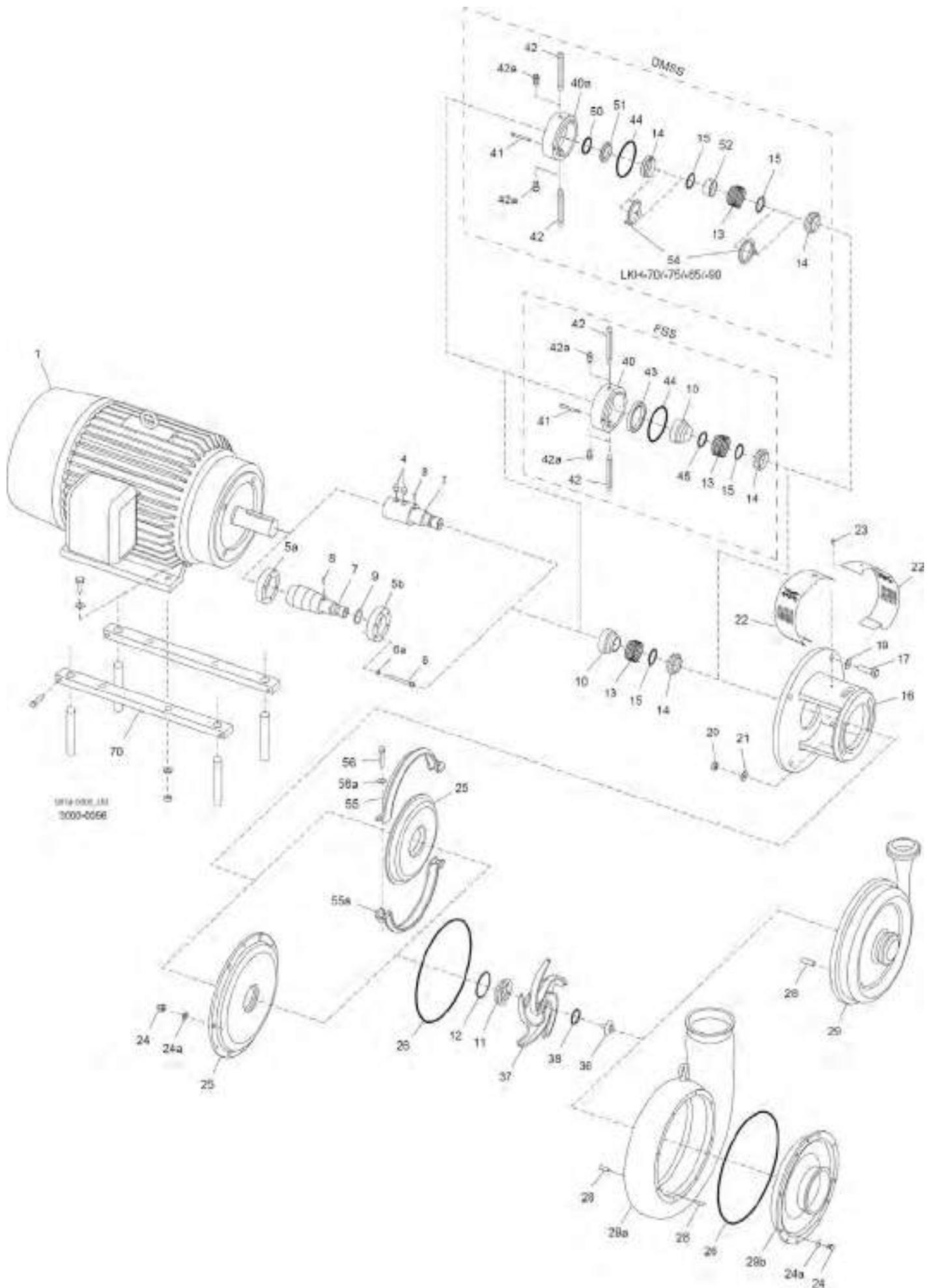


LKH 70-90

Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
Single shaft seal (standard)						
♦		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, 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				
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
Service kit for single shaft seal					
C/SiC					
♦	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
SiC/SiC					
◇	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
Service kit for flushed shaft seal					
C/SiC					
*	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
SiC/SiC					
⊙	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
Service kit for double mechanical shaft seal					
C/SiC					
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
SiC/SiC					
	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

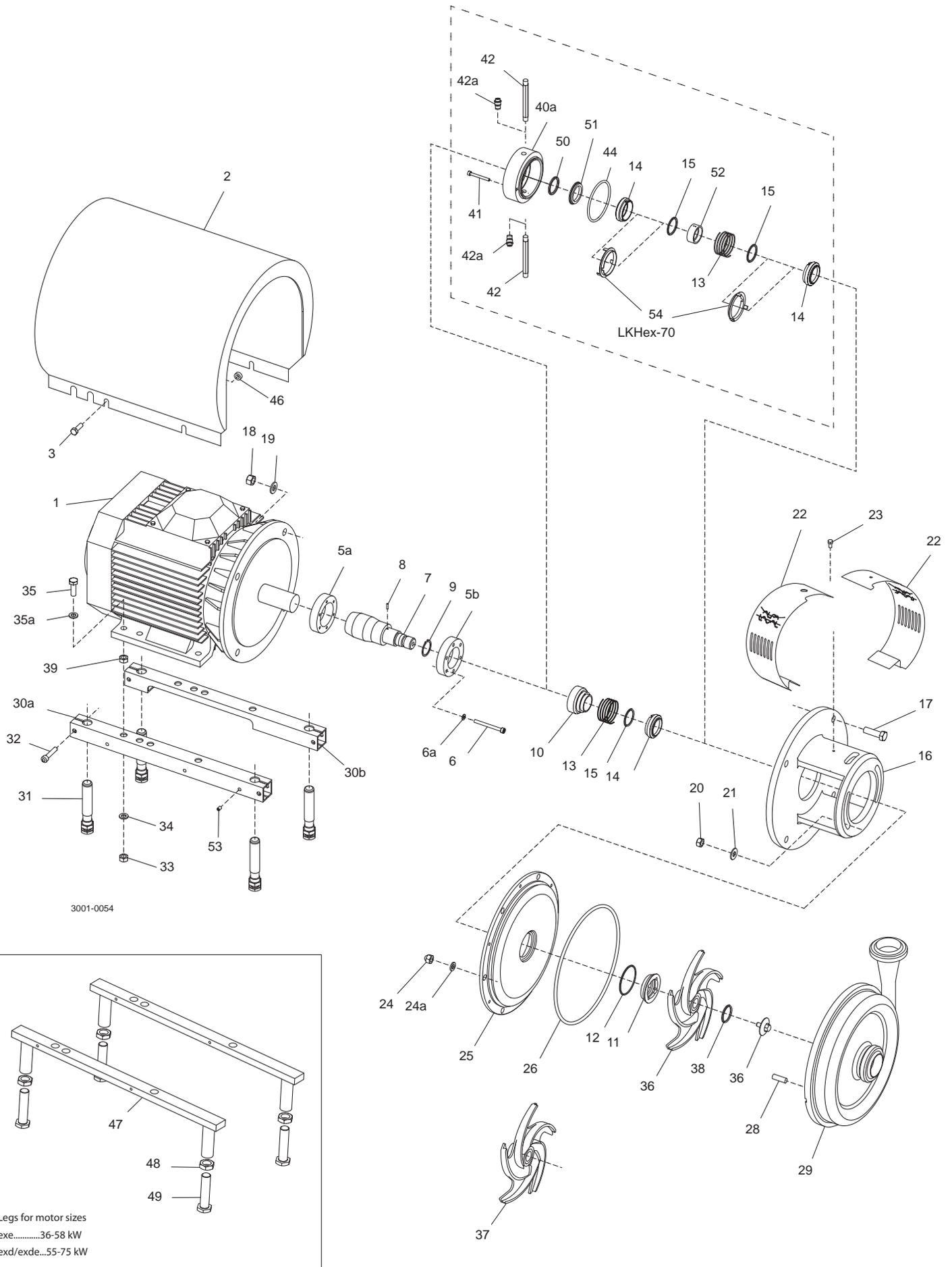
Parts marked with ♦★Δ◇● are included in the service kits.

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)
(900602/8)

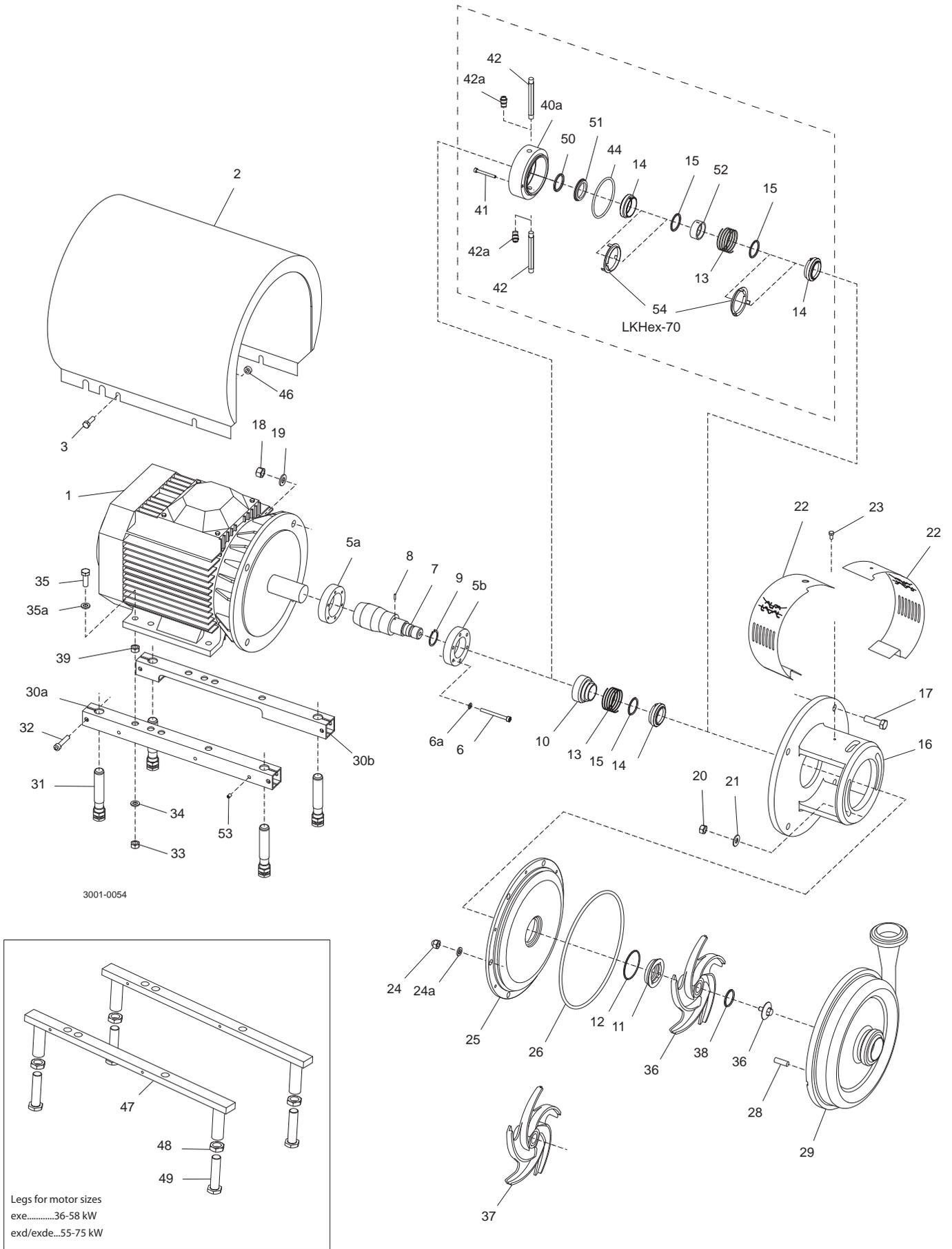


Pos	Qty	Denomination	Exe Exd/Exde	LKH-10	LKH-15	LKH-20	LKH-25	LKH-35
				IEC90-IEC132 IEC90-IEC112	IEC112-IEC132 IEC100-IEC132	IEC90-IEC160 IEC90-IEC132	IEC132-IEC180 IEC112-IEC160	IEC132-IEC180 IEC112-IEC180
Pump Casing std. blasted								
29	1	Casing, IDF		9612139801	9612492401	9612139806	9612492406	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
Pump casing std. blasted								
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	

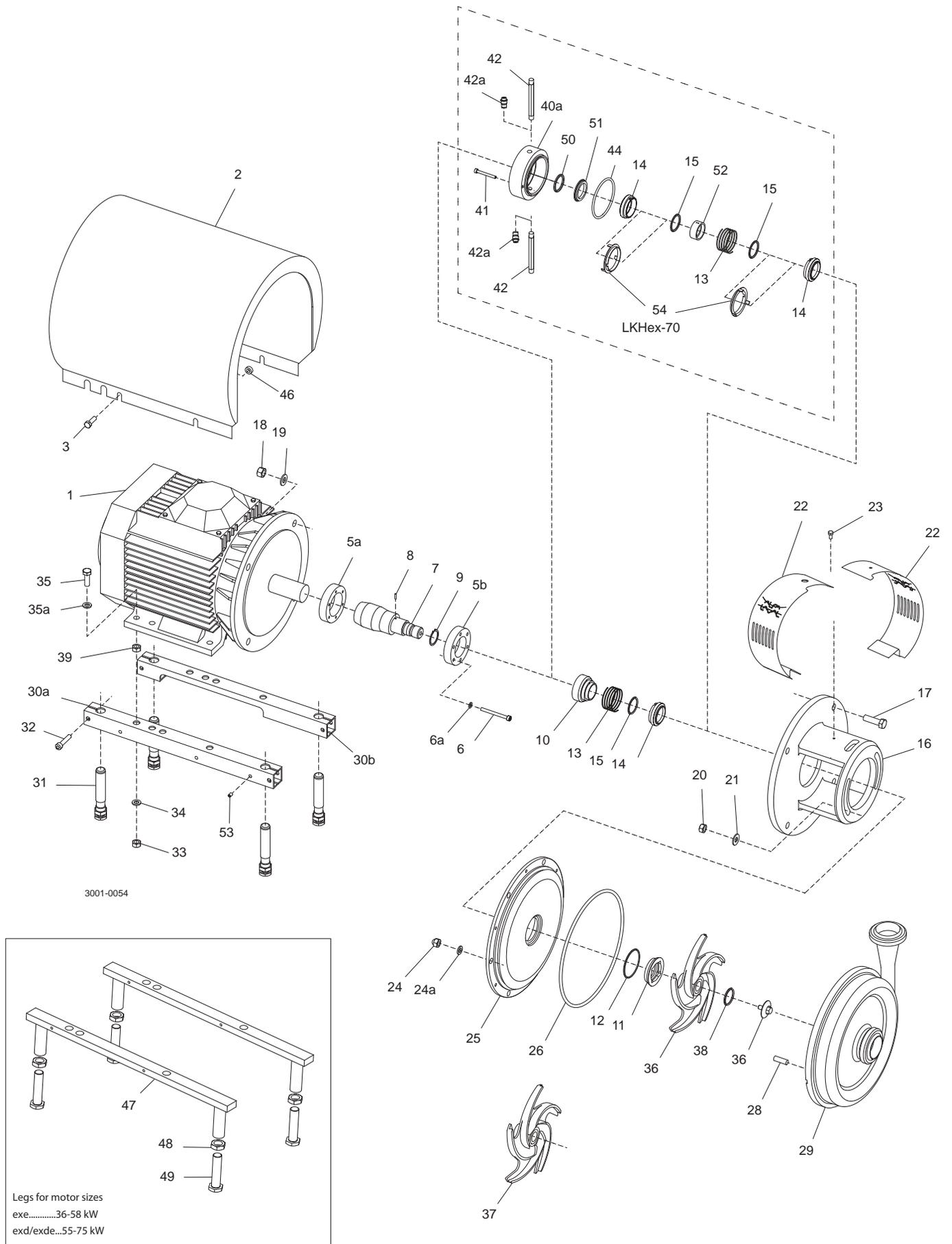
Pos	Qty	Denomination	Exe Exd/Exde	LKH-10	LKH-15	LKH-20	LKH-25	LKH-35
				IEC90-IEC132 IEC90-IEC112	IEC112-IEC132 IEC100-IEC132	IEC90-IEC160 IEC90-IEC132	IEC132-IEC180 IEC112-IEC160	IEC132-IEC180 IEC112-IEC180
Pump casing Mech Ra ≤ 0.8								
29	1	Casing, IDF		9612457201	9612492501	9612457206	9612492506	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
Pump casing Mech Ra ≤ 0.8								
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



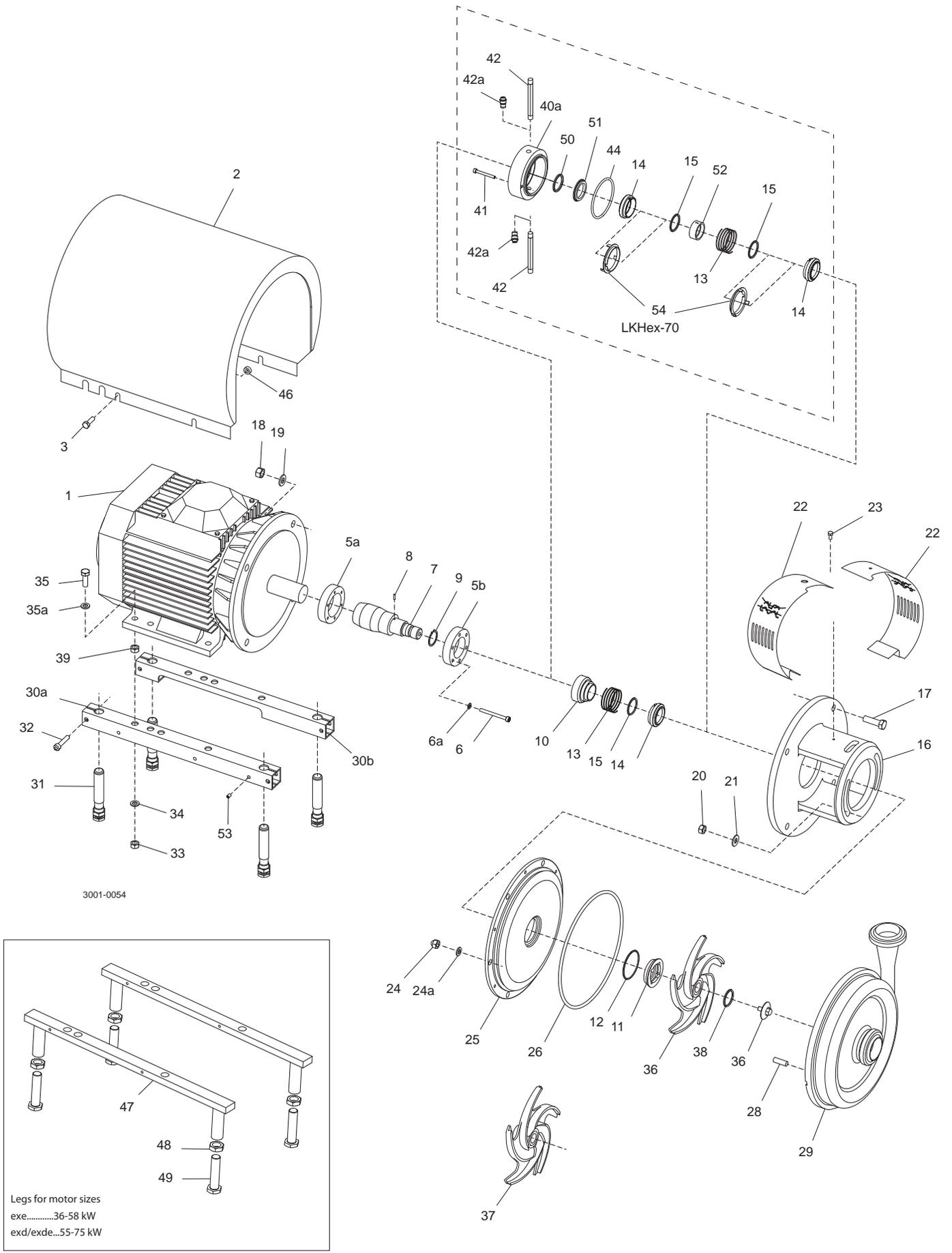
Pos	Qty	Denomination	Exe Exd/Exde	LKH-10	LKH-15	LKH-20	LKH-25	LKH-35
				IEC90-IEC132	IEC112-IEC132	IEC90-IEC160	IEC132-IEC180	IEC132-IEC180
				IEC90-IEC112	IEC100-IEC132	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160
24	6	Cap nut		9611992592	9611992592	9611992592	9611992593	9611992593
24a	6	Washer		9611991888	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 IEC90	LKHex 10-60 IEC100	LKHex 10-60 IEC112	LKHex 10-60 IEC132
Motor dependent parts for WEG motors, LKHex 10 - 60							
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, Exe		9614192701	9614192801	9614191601	9614191701
		Shroud, Exd / Exde		9614192701	9614192801	9614193001	9614193101
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		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		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	9611991911	9611991911	9611991374
35a	4	Washer			9611990786	9611990786	9611990786
39	4	Spacer for leg			9615309301		
46	4	Distance sleeve			9611992737		9611992737

Pos	Qty	Denomination	Frame size	LKHex 10-60 IEC160	LKHex 10-60 IEC180	LKHex 10-60 IEC200
Motor dependent parts for WEG motors, LKHex 10 - 60						
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 Exe		9614191801	9614191901	9615213301
		Shroud Exd / Exde		9614193201	9614193301	9615213301
3	4	Screw		9611993243	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
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		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
46	4	Distance sleeve		3143803903	3143803903	3143803903
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
Motor dependent parts for WEG motors, LKHex 70								
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 Exe		9614191801	9614191901	9615213301	9614192101	9614192001
	1	Shroud Exd / Exde		9614193201	9614193301	9615213301	9614192101	
3	4	Screw		9611993243	9611993243	9611993243	9611993243	9611993243
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		9612132203	9612132204	9612342201		
30b	1	Support bar, left		9612132303	9612132304	9612342201		
31	4	Leg		9612396701	9612396701	9612396701		
32	4	Screw		9611991126	9611991126	9611991907		
33	4	Nut		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
46	4	Distance sleeve		3143803903	3143803903	3143803903	3143803903	3143803903
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

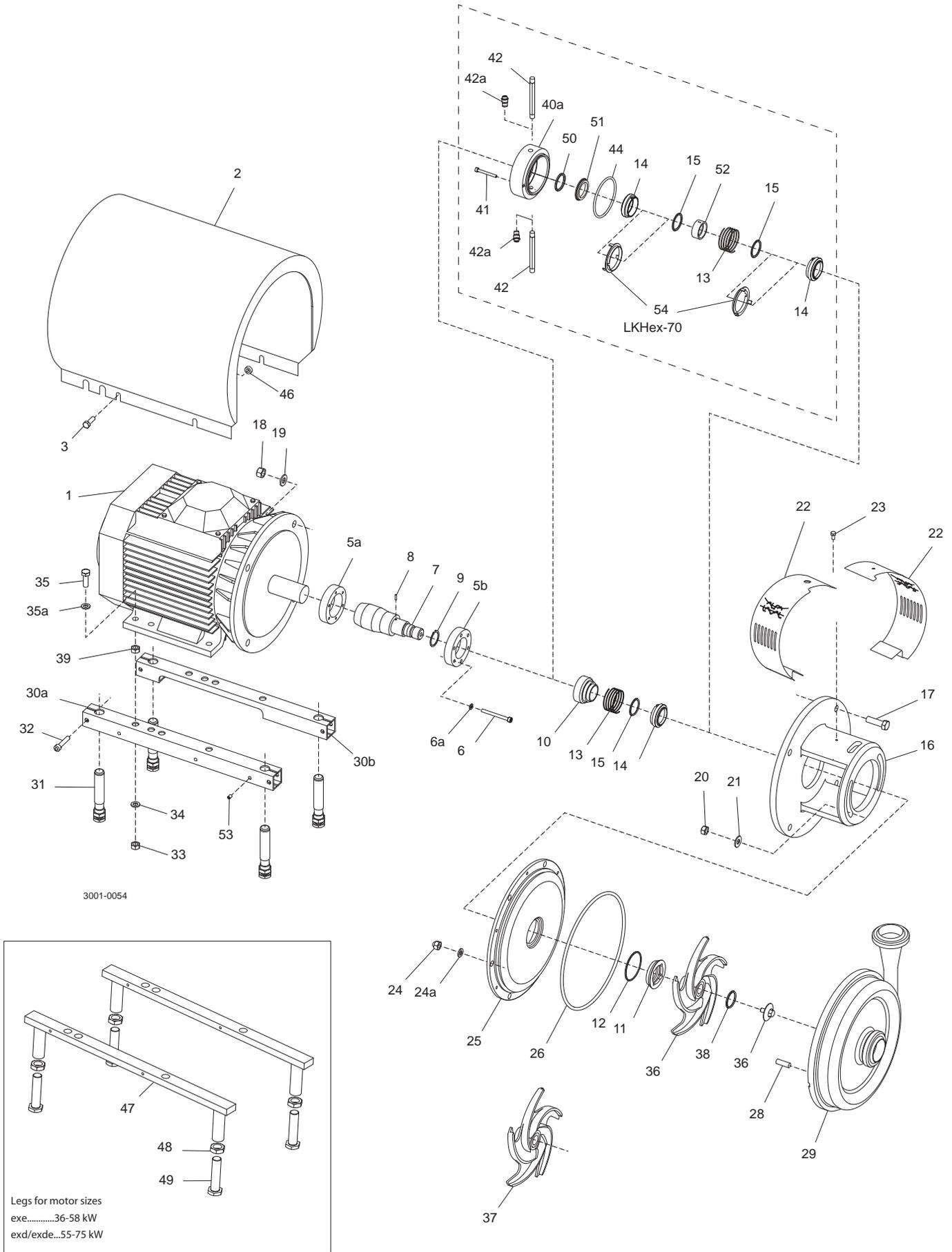
Pos	Qty	Denomination	7.5 kW IEC160	12.5 kW IEC160	15 kW IEC180	20 kW IEC200	24 kW IEC200
1	1	Motor, WEG Exe 50Hz	9614193806	9614193807	9614193808	9614193809	9614193810
	1	Motor, WEG Exe 60Hz	9614193850	9614193851	9614193852	9614193853	9614193854

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 Exd 50Hz/60Hz	9614193830	9614193831	9614193832	9614193833	9614193834
	1	Motor, WEG Exde 50Hz/60Hz	9614193815	9614193816	9614193817	9614193818	9614193819

Pos	Qty	Denomination	7.5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor, WEG Exd 50Hz/60Hz	9614193835	9614193836	9614193837	9614193838	9614193839
	1	Motor, WEG Exde 50Hz/60Hz	9614193820	9614193821	9614193822	9614193823	9614193824

Pos	Qty	Denomination	30 kW IEC200	37 kW IEC200	55 kW IEC250	75 kW IEC250
1	1	Motor, WEG Exd 50Hz/60Hz	9614193840	9614193841	9614193843	9614193844
	1	Motor, WEG Exde 50Hz/60Hz	9614193825	9614193826	9614193828	9614193829

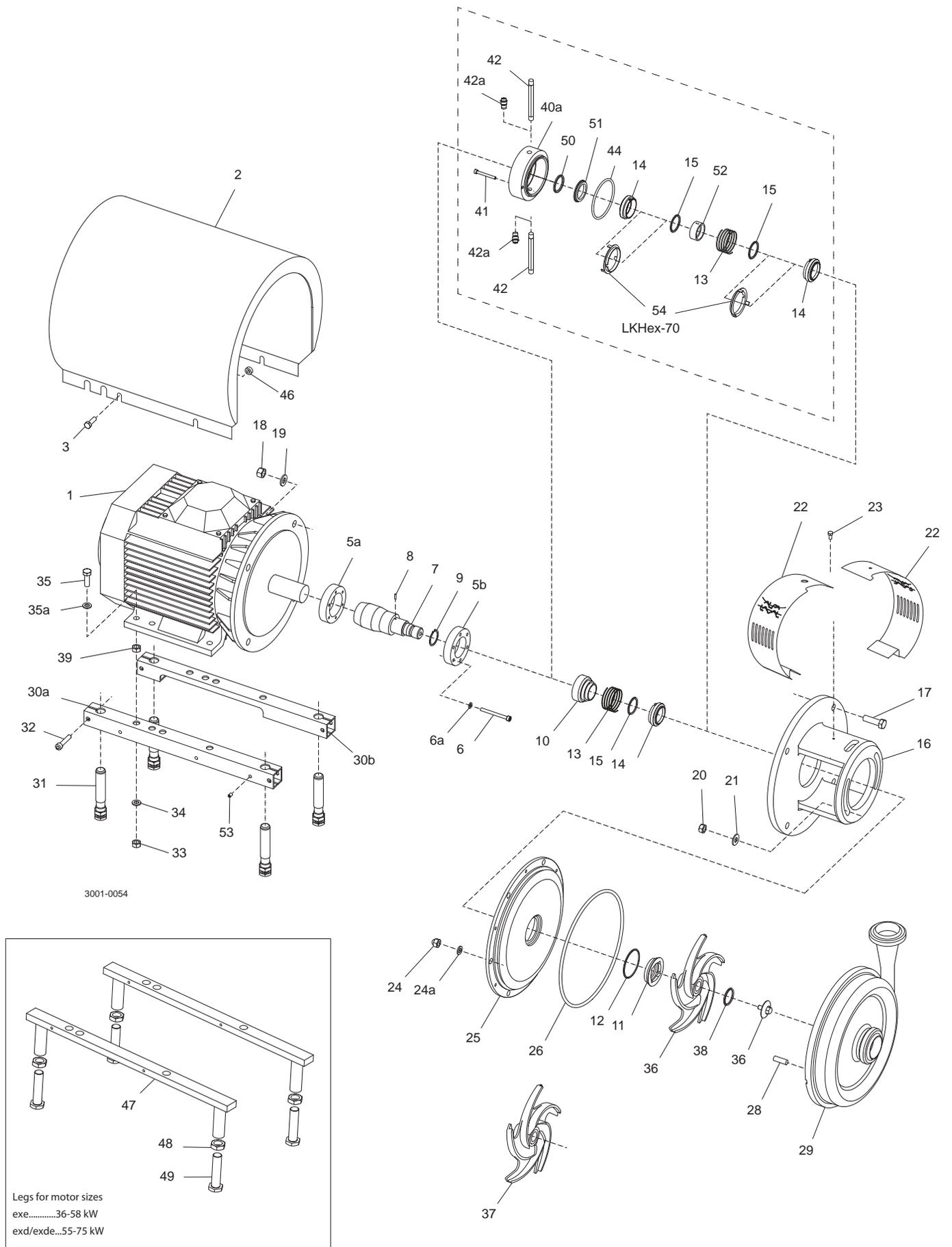


Motor dependent parts for other motors before october 2012

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

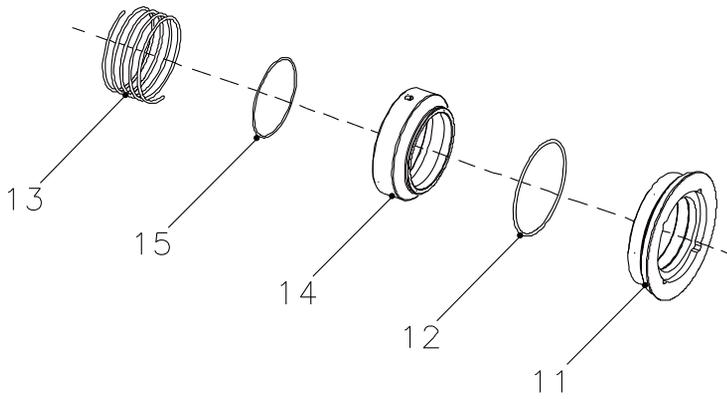
Pos	Qty	Denomination	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
	1	Leroy Motor, Exd incl. shroud	9614287006	9614287007	9614287008	9614287009	9614287010
	1	Leroy Motor, Exde incl. shroud	9614287016	9614287017	9614287018	9614287019	9614287020

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

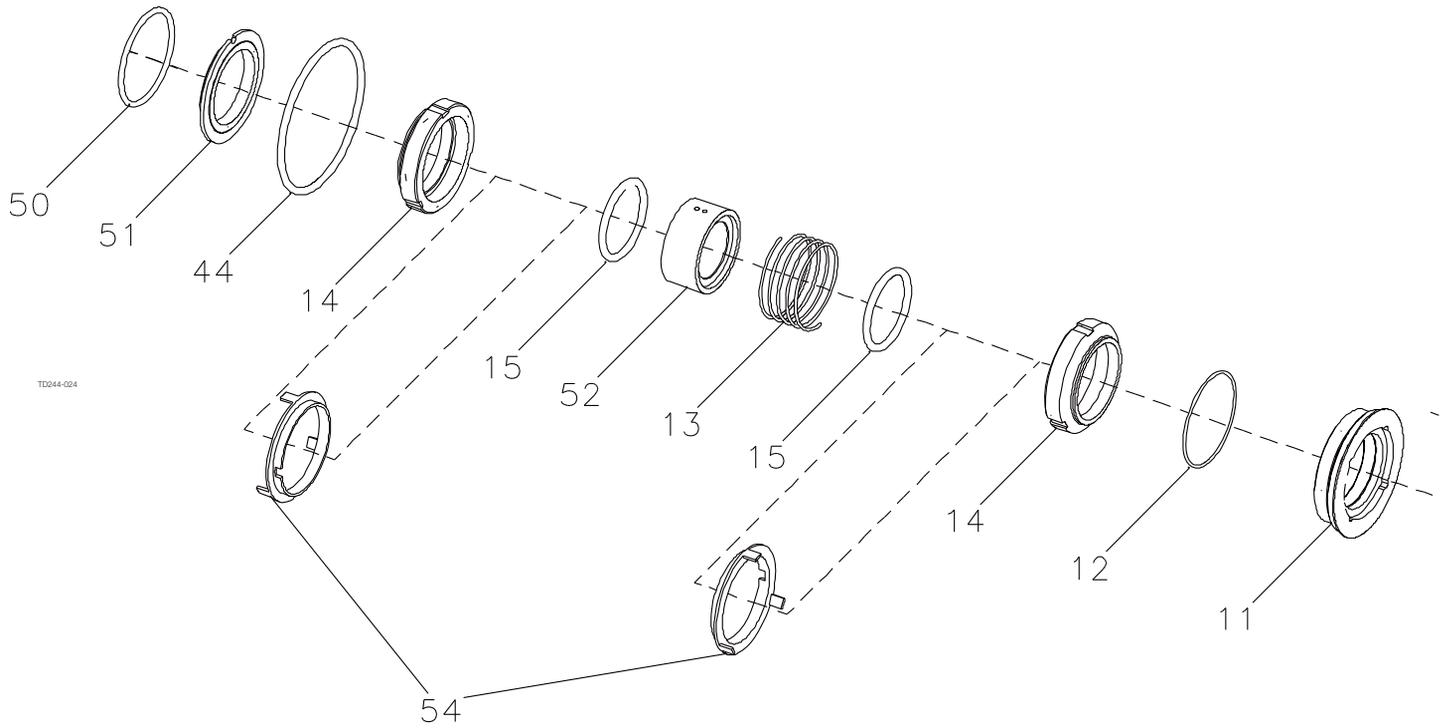
Pos	Qty	Denomination	6 kW	11 kW	14 kW	17 kW	22 kW
	1	ABB Motor, Exe ¹⁾					
	1	Shroud	9612138908	9612138905	9612138905	9612138905	9612138906

¹⁾ 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
Accessories					
1	1	Tool complete	9612903601	9612903601	9612903701
Parts for double mechanical shaft seal					
40a	1	Seal housing	9612133902	9612133902	9612591401
41	2	Screw for seal housing	9611990203	9611990203	9611993766
42	2	Tube	9612358901	9612358907	9612358903
Drive ring					
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

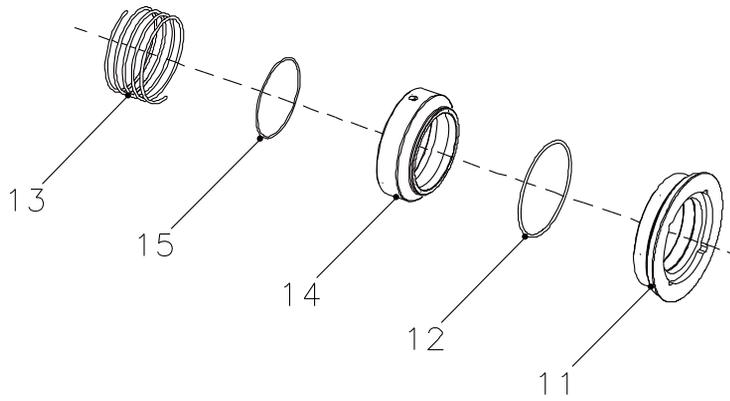
△▲		C/SiC	9612129613	9612129614	9612129615	9612129616
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, carbon				
15	2	O-ring				
44	1	O-ring for seal housing, EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				

Alternatives for double mechanical shaft seal

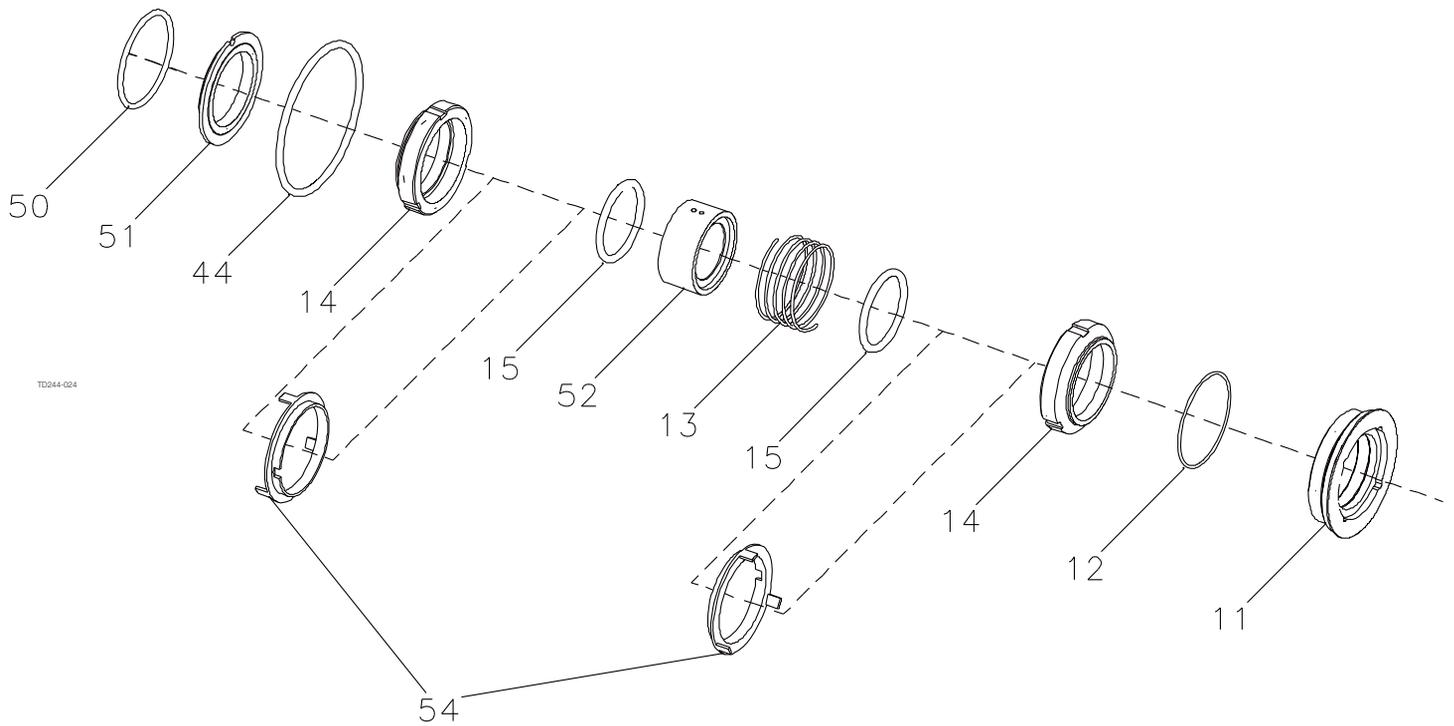
Complete shaft seal

※●		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

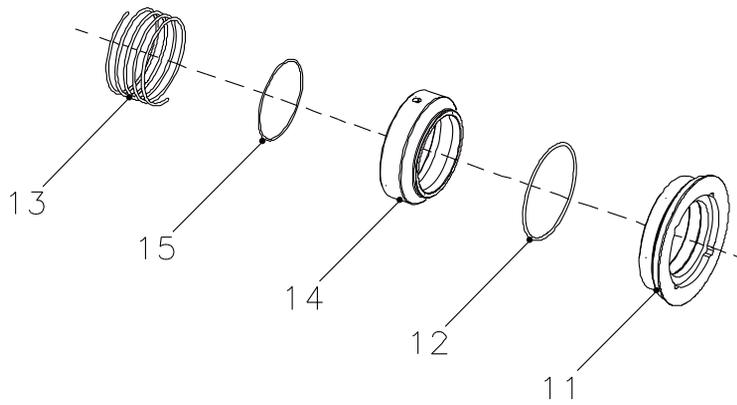


Double mechanical shaft seal

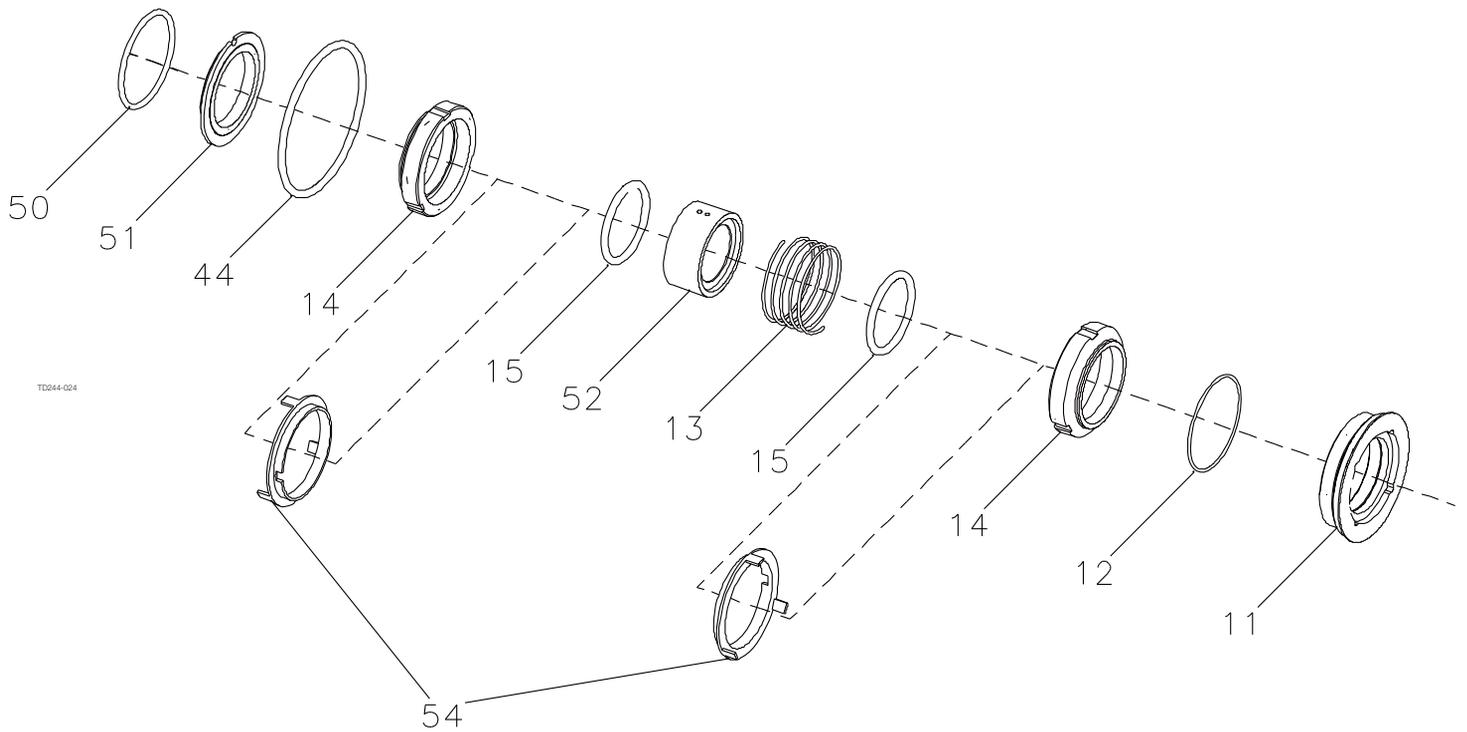


Pos	Qty	Denomination	LKH 70 EPDM	LKH 70 NBR	LKH 70 FPM	LKH 70 FEP
Complete shaft seal						
		□◆ C/SiC	9612515101	9612515102	9612515103	9612515104
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
Alternatives for single shaft seal						
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				
Double mechanical shaft seal (standard)						
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				
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				

Single shaft seal



Double mechanical shaft seal



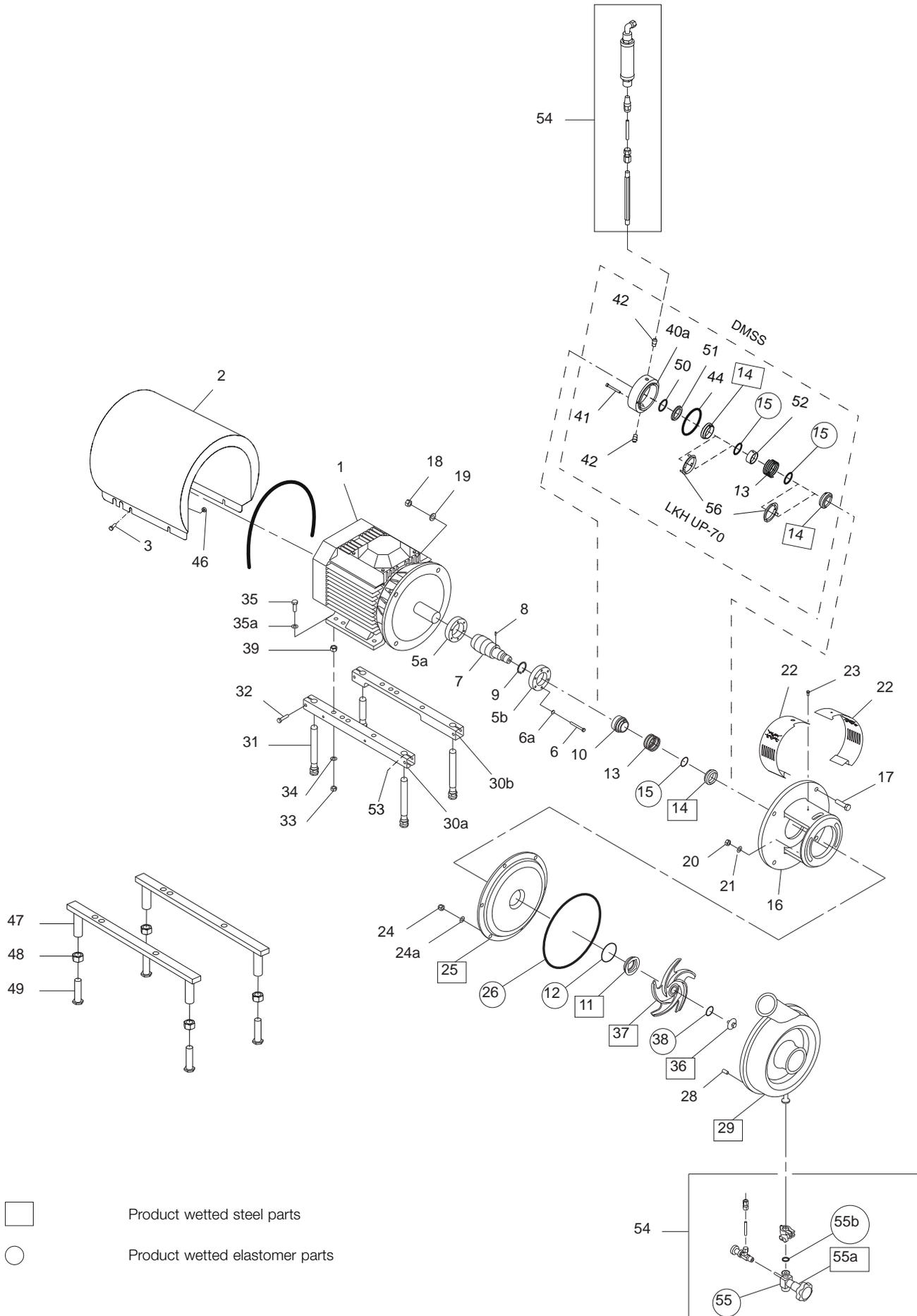
TD244-024

		EPDM	NBR	FPM	FEP
Service kit for single shaft seal C/SiC					
□	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
Service kit for single shaft seal SiC/SiC					
✧	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
Service kit for single shaft seal and impeller screw C/SiC					
◆	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 for single shaft seal and impeller screw SiC/SiC					
◇	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 for double mechanical shaft seal C/SiC					
△	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
Service kit for double mechanical shaft seal SiC/SiC					
⊛	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
Service kit for double mechanical shaft seal and impeller screw C/SiC					
▲	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 for double mechanical shaft seal and impeller screw SiC/SiC					
●	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.

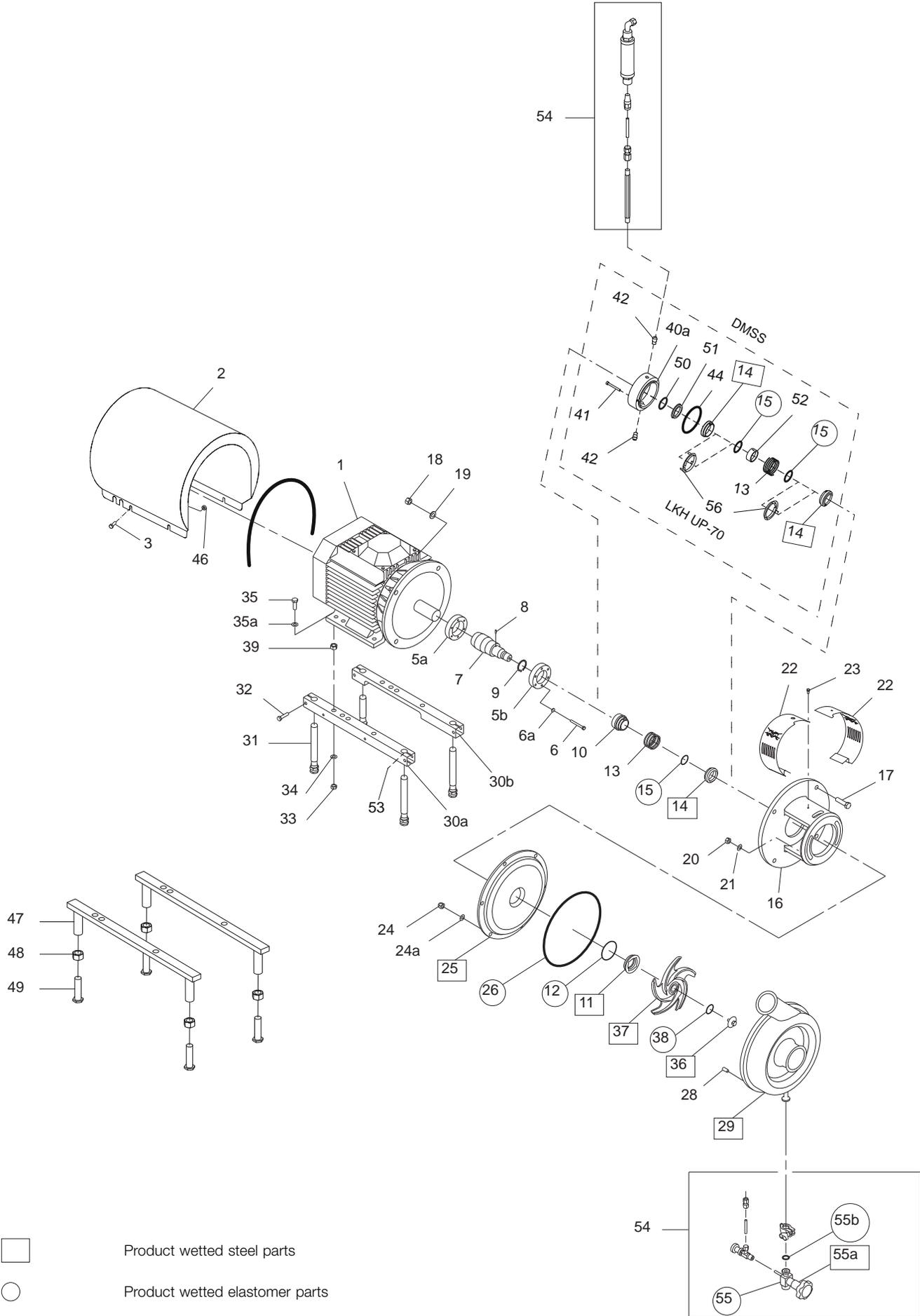
Recommended spare parts: Service kits.

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



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
Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain							
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE		9612630532	9612630534	9612630536	9612630538
Casing Mech Ra ≤ 0.5 45deg outlet, 1/2" drain							
	1	Connections and drain, ferrule Tri-clamp for ASME BPE		9612630501	9612630504	9612630507	9612630510
Casing EP Ra ≤ 0.4 45deg outlet, 1/2" drain							
	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 www.alfalaval.com/certificates							

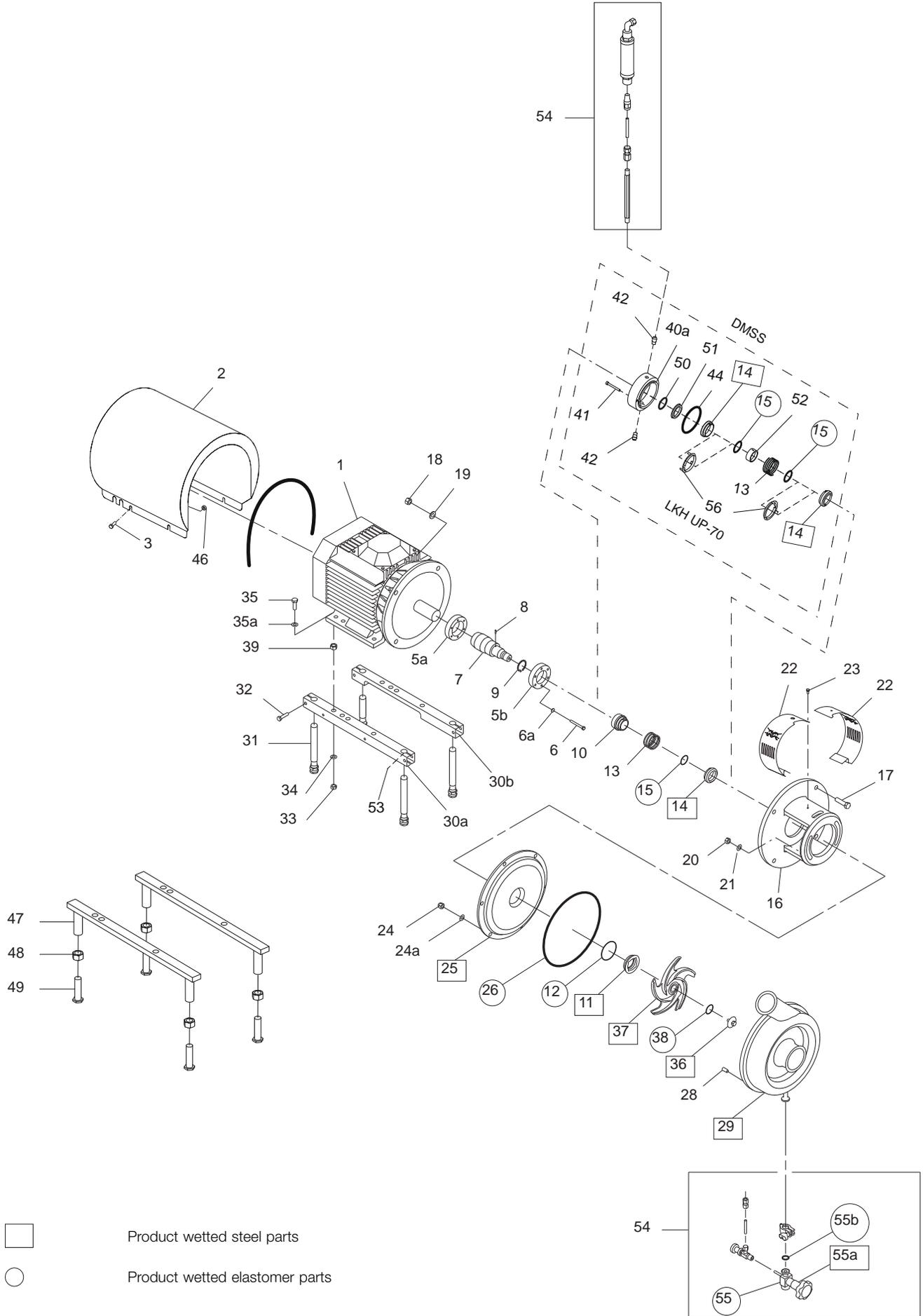
Pos	Qty	Denomination	Exe Exd/Exde	LKHex UP-40	LKHex UP-45	LKHex UP-60	LKHex UP-70
				IEC160-IEC200 IEC132-IEC180	IEC132-IEC180 IEC112-IEC160	IEC132-IEC200 IEC132-IEC200	IEC160-IEC280 IEC160-IEC250
Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain							
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE		9612630540	9615375301	9615375302	9615375303
Casing Mech Ra ≤ 0.5 45deg outlet, 1/2" drain							
	1	Connections and drain, ferrule Tri-clamp for ASME BPE		9612630513	9615375304	9615375305	9615375306
Casing EP Ra ≤ 0.4 45deg outlet, 1/2" drain							
	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							



- Product wetted steel parts
- Product wetted elastomer parts

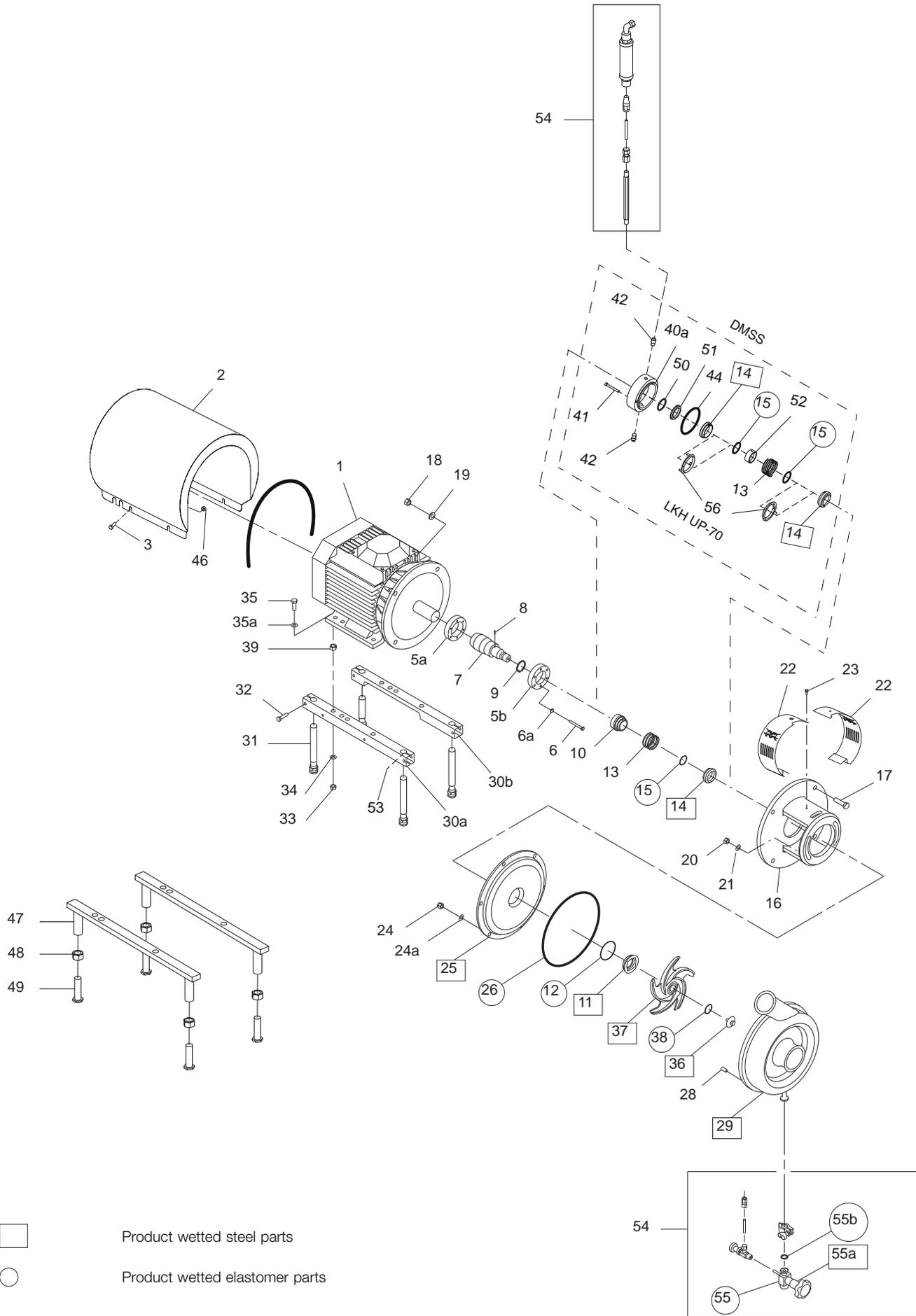
Pos	Qty Denomination	Exe Exd/Exde	LKHex UP-10	LKHex UP-20	LKHex UP-25	LKHex UP-35
			IEC90-IEC132	IEC90-IEC160	IEC132-IEC180	IEC132-IEC180
			IEC90-IEC112	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160
24	6 Cap nut		9611992592	9611992592	9611992593	9611992593
24a	6 Washer		9611991888	9611991888	9611991887	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					



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
Motor dependent parts for WEG motors, LKHex UP 10 - 60						
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, Exe	9614192701	9614192801	9614191601	9614191701
	1	Shroud, Exd/Exde	9614192701	9614192801	9614193001	9614193101
3	4	Screw	9611993240	9611993240	9611993240	9611993240
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
Legs						
30a	1	Support bar, right	9612132201	9612132205	9612132205	9612132206
30b	1	Support bar, left	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		
46	4	Distance sleeve		9611992737		9611992737

Pos	Qty Denomination	Frame size	LKHex UP	LKHex UP	LKHex UP
			10-60 IEC160	10-60 IEC180	10-60 IEC200
Motor dependent parts for WEG motors, LKHex UP 10 - 60					
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, Exe	9614191801	9614191901	9615213301
	1	Shroud, Exd/Exde	9614193201	9614193301	9615213301
3	4	Screw	9611993243	9611993243	9611993243
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
Legs					
30a	1	Support bar, right	9612132203	9612132204	9612342201
30b	1	Support bar, left	9612132303	9612132304	9612342201
31	4	Legs	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
46	4	Distance sleeve	3143803903	3143803903	3143803903
53	4	Pivot screw			9611991763



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
Motor dependent parts for WEG motors, LKHex UP 70								
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, Exe		9614191801	9614191901	9615213301	9614192101	9614192001
	1	Shroud, Exd/Exde		9614193201	9614193301	9615213301	9614192101	
3	4	Screw		9611993243	9611993243	9611993243	9611993243	9611993243
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
Legs								
30a	1	Support bar, right		9612132203	9612132204	9612342201		
30b	1	Support bar, left		9612132303	9612132304	9612342201		
31	4	Legs		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
46	4	Distance sleeve		3143803903	3143803903	3143803903	3143803903	3143803903
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 Exe 50Hz	9614193801	9614193802	9614193803	9614193804	9614193805
	1	Motor, WEG Exe 60Hz	9614193845	9614193846	9614193847	9614193848	9614193849

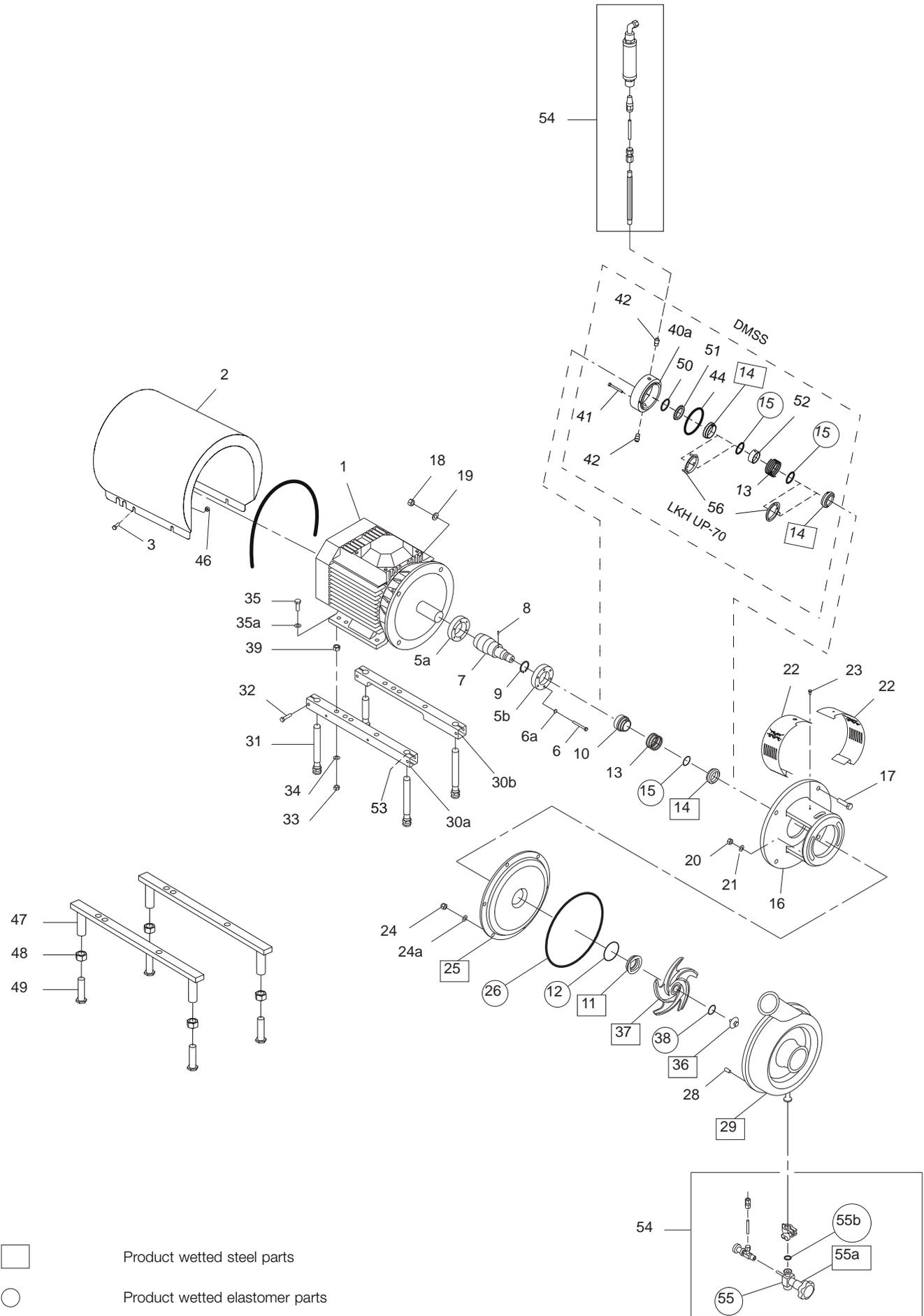
Pos	Qty	Denomination	7,5 kW IEC160	12.5 kW IEC160	15 kW IEC180	20 kW IEC200	24 kW IEC200
1	1	Motor, WEG Exe 50Hz	9614193806	9614193807	9614193808	9614193809	9614193810
	1	Motor, WEG Exe 60Hz	9614193850	9614193851	9614193852	9614193853	9614193854

Pos	Qty	Denomination	36 kW IEC260	47 kW IEC280	58 kW IEC280
1	1	Motor, WEG Exe 50Hz	9614193811	9614193812	9614193813
	1	Motor, WEG Exe 60Hz	9614193856	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 Exd	9614193830	9614193831	9614193832	9614193833	9614193834
	1	Motor, WEG Exde	9614193815	9614193816	9614193817	9614193818	9614193819

Pos	Qty	Denomination	7,5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor, WEG Exd	9614193835	9614193836	9614193837	9614193838	9614193839
	1	Motor, WEG Exde	9614193820	9614193821	9614193822	9614193822	9614193824

Pos	Qty	Denomination	30 kW IEC200	37 kW IEC200	55 kW IEC250	75 kW IEC250
1	1	Motor, WEG Exd	9614193840	9614193841	9614193843	9614193844
	1	Motor, WEG Exde	9614193825	9614193826	9614193828	9614193829



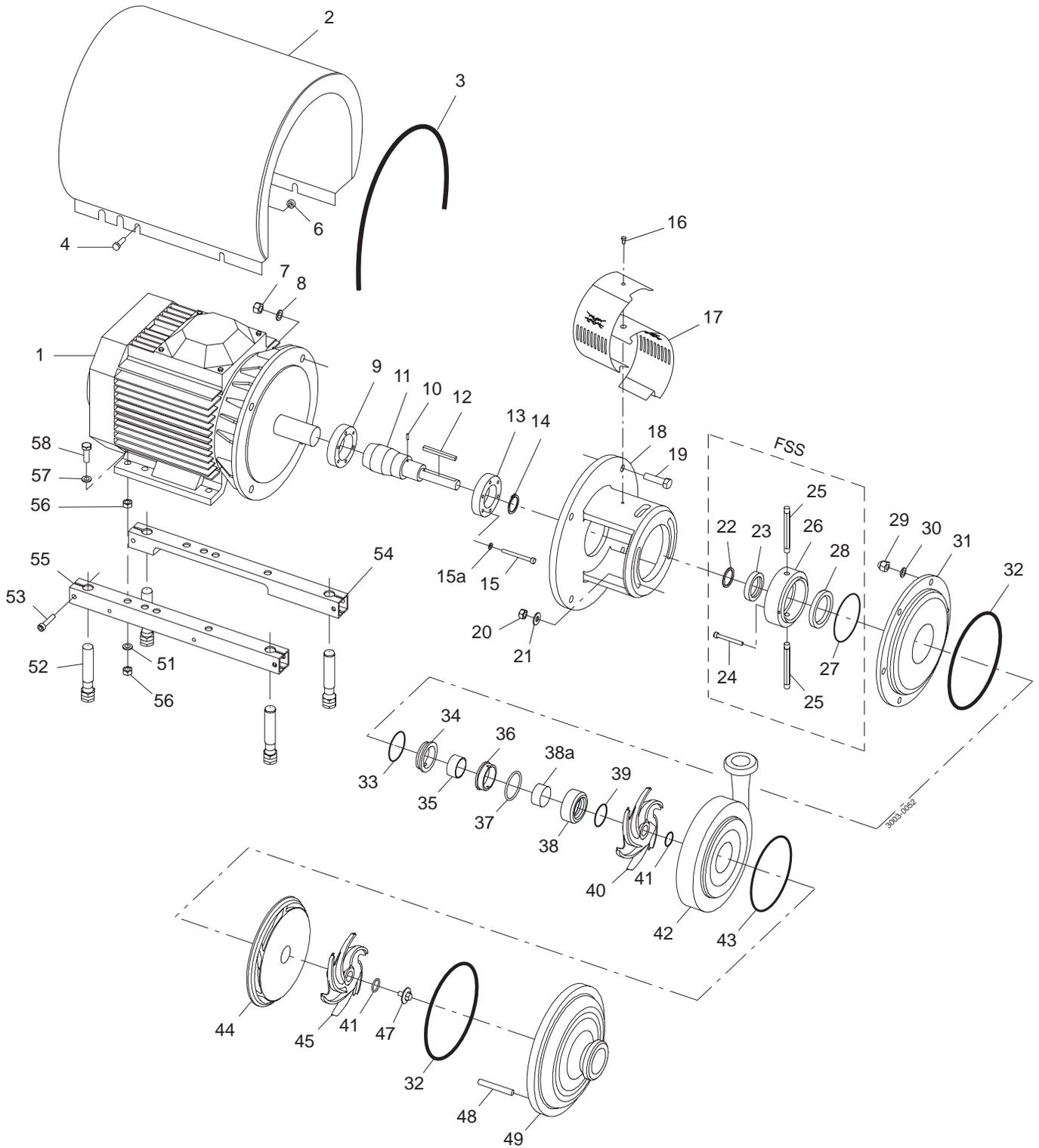
Pos	Qty	Denomination	LKHex UP 10/20/25 /35/40/45/60	LKHex UP 70			
Drive ring							
10	1	Drive ring, Single shaft seal steel	9614206001	9612514901			
Parts for double mechanical shaft seal							
40a	1	Seal housing	9612133902	9612591401			
41	2	Screw for seal housing	9611990203	9611993766			
42	2	Fittings	9611992323	9611992323			
Single shaft seal							
♦		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							
•		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					
			EPDM	FPM	FEP		
Service kit for single shaft seal							
♦		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		
Service kit for double mechanical shaft							
•		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
900716/1

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)					

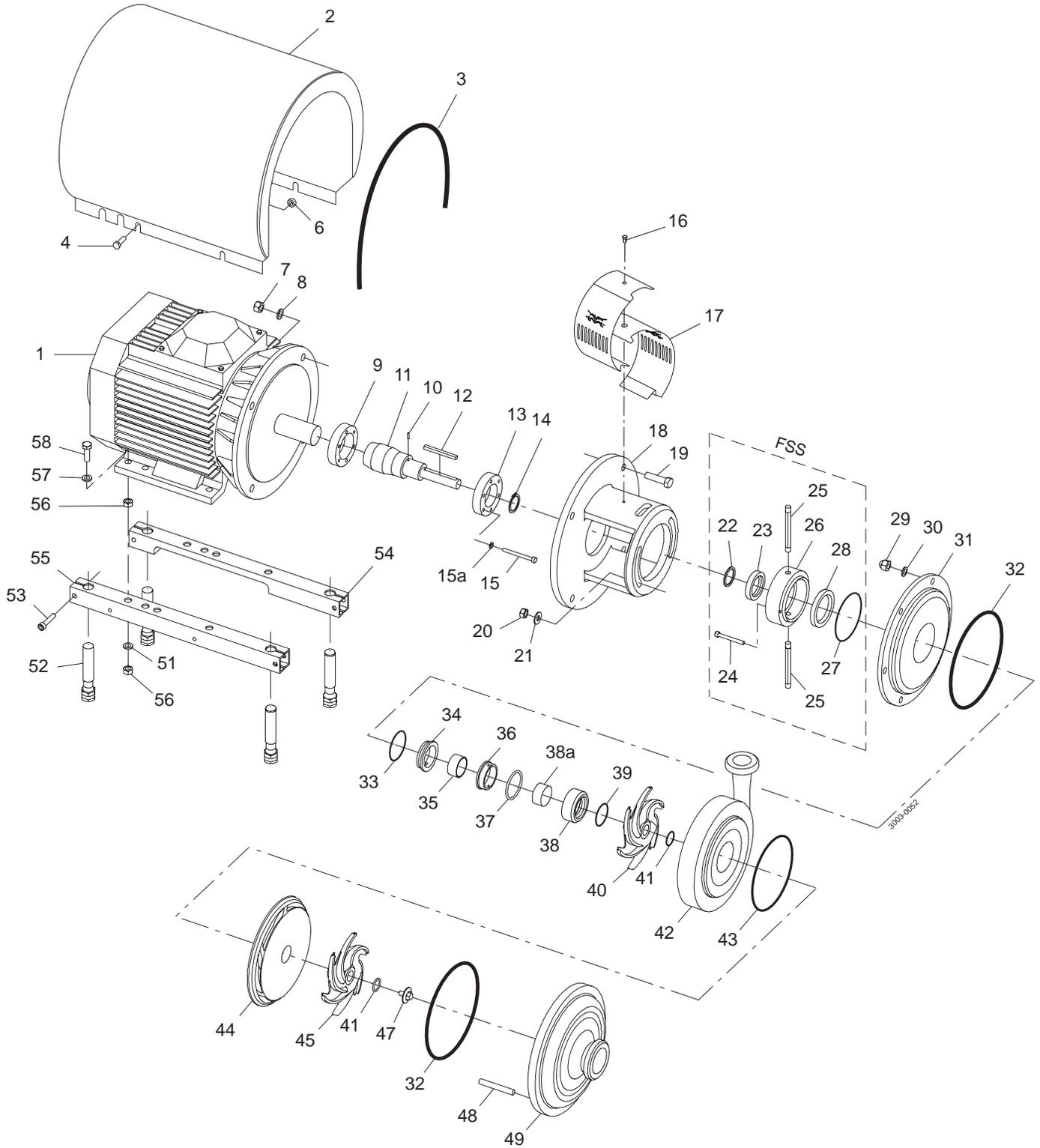
* For system pressure 10-40 bar.

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



Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160
Legs							
50	4	Nut	9611990360	9611990353	9611990353	9611990353	9611990587
51	4	Spring washer	9611991888	9611991887	9611991887	9611991887	9611990676
52	4	Leg	9612396701	9612396701	9612396701	9612396701	9612396701
53	4	Screw, (period 9711-)	9611991126	9611991126	9611991126	9611991126	9611991126
	4	Screw, (period -9711)	9611991907	9611991907	9611991907	9611991907	9611991907
54	1	Support bar, left	9612132301	9612132305	9612132305	9612132306	9612132303
55	1	Support bar, right	9612132201	9612132205	9612132205	9612132206	9612132203
56	4	Nut		9611990587			
57	4	Washer		9611990786	9611990786	9611990786	9611990706
58	4	Screw	9611993241	9611991374	9611991374	9611991374	9611991834

C/SiC SiC/SiC

Service kit for single shaft seal

Service kit, EPDM.	□ 9611922096	○ 9611922655
Service kit, NBR.	□ 9611922097	○ 9611922656
Service kit, FPM.	□ 9611922098	○ 9611922657

Service kit for flused shaft seal

Service kit, EPDM.	◆ 9611922099	★ 9611922658
Service kit, NBR.	◆ 9611922100	★ 9611922659
Service kit, FPM.	◆ 9611922101	★ 9611922660

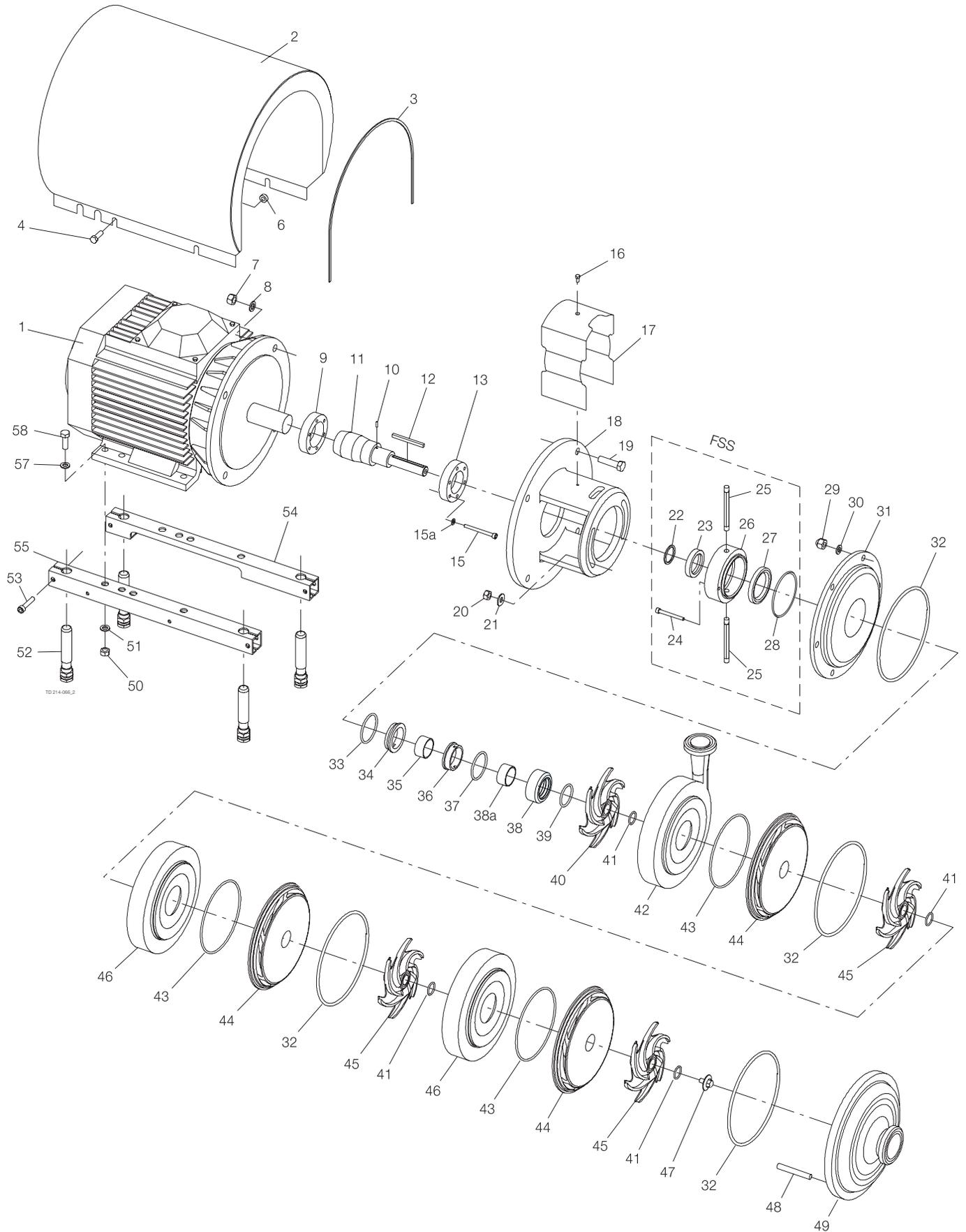
Parts marked with □◆○★ are included in the service kits.

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

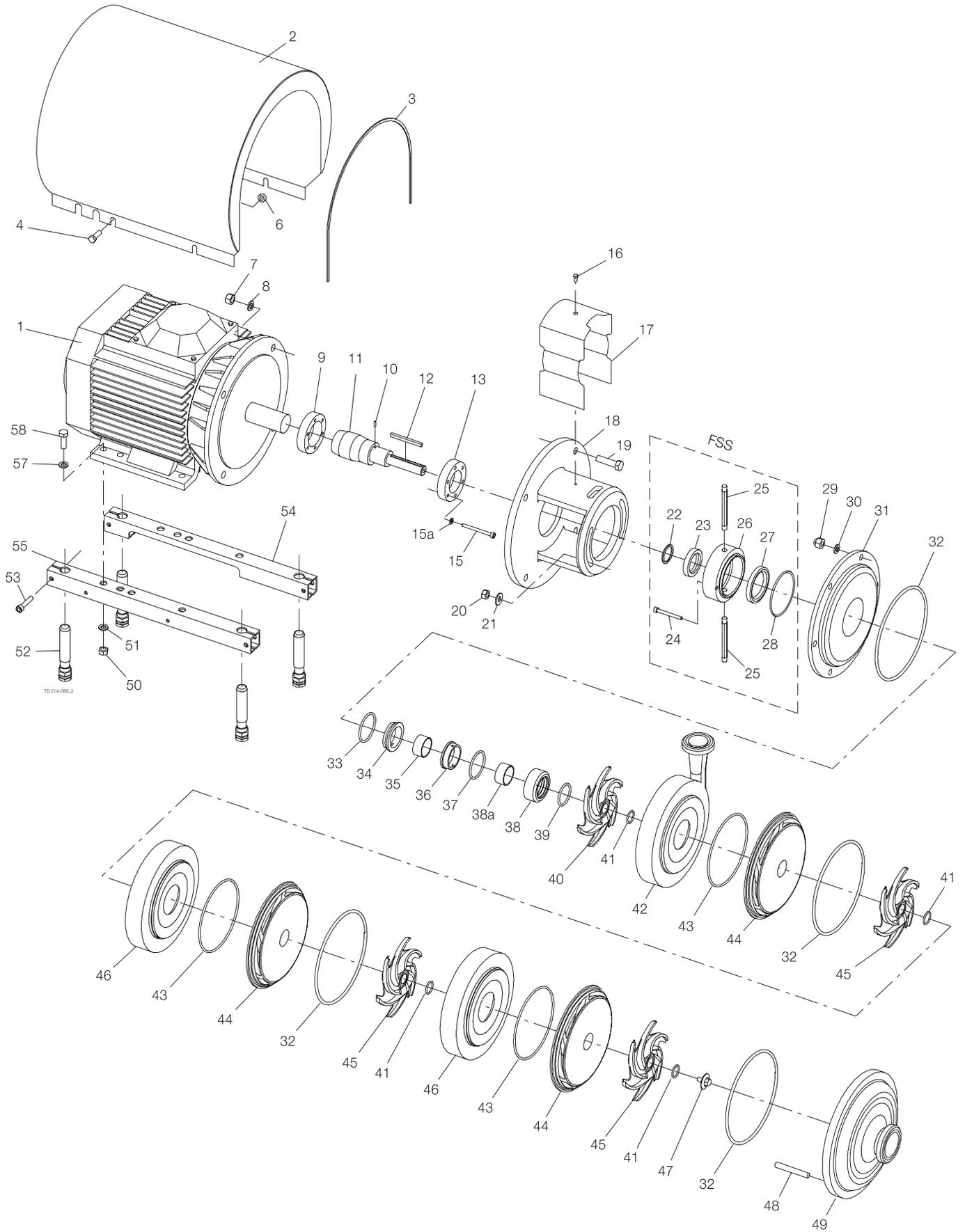
Recommended Spare parts: Service kits.

(900022/8)

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	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

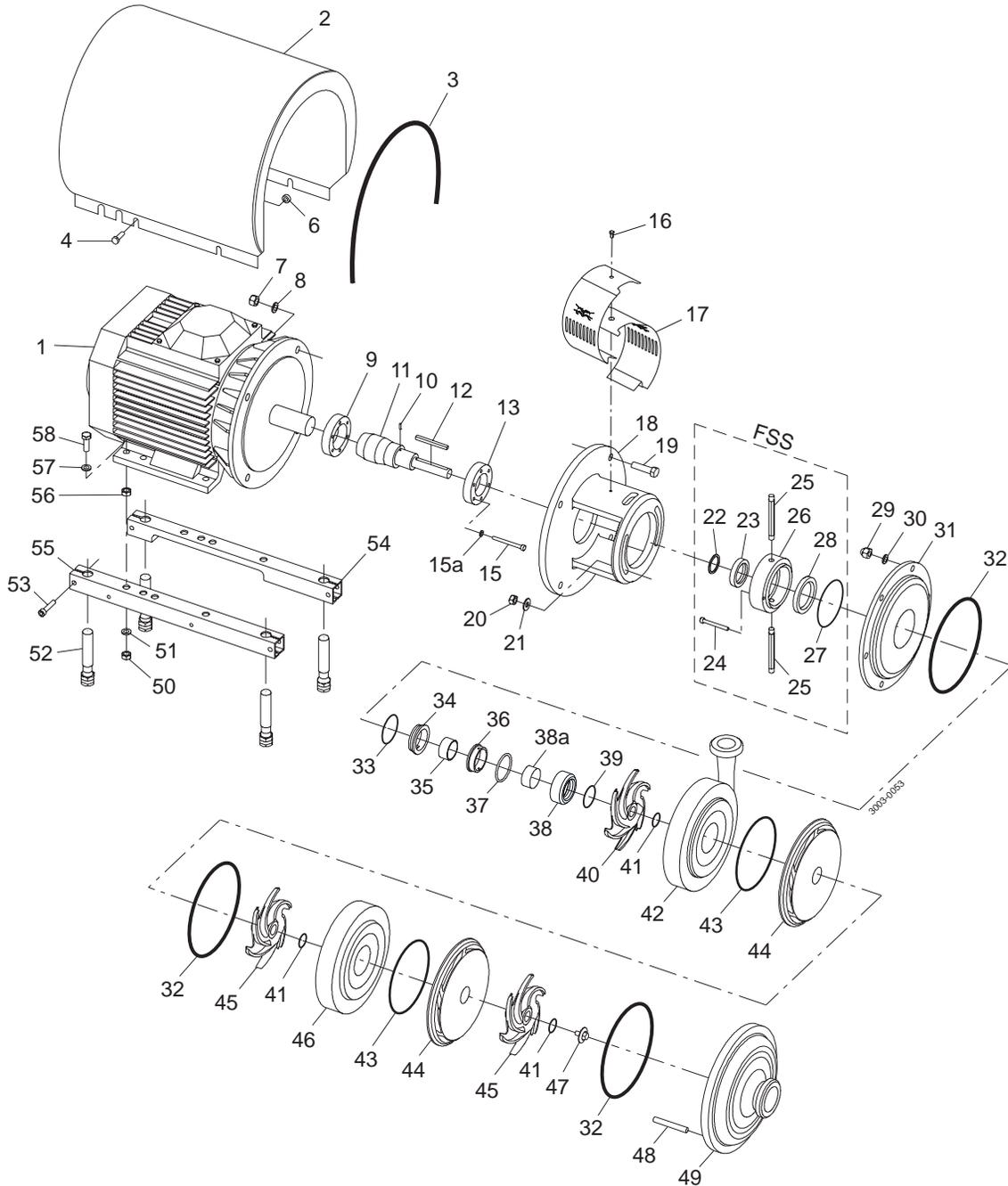
Parts marked with □◆○■ are included in the service kits.

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

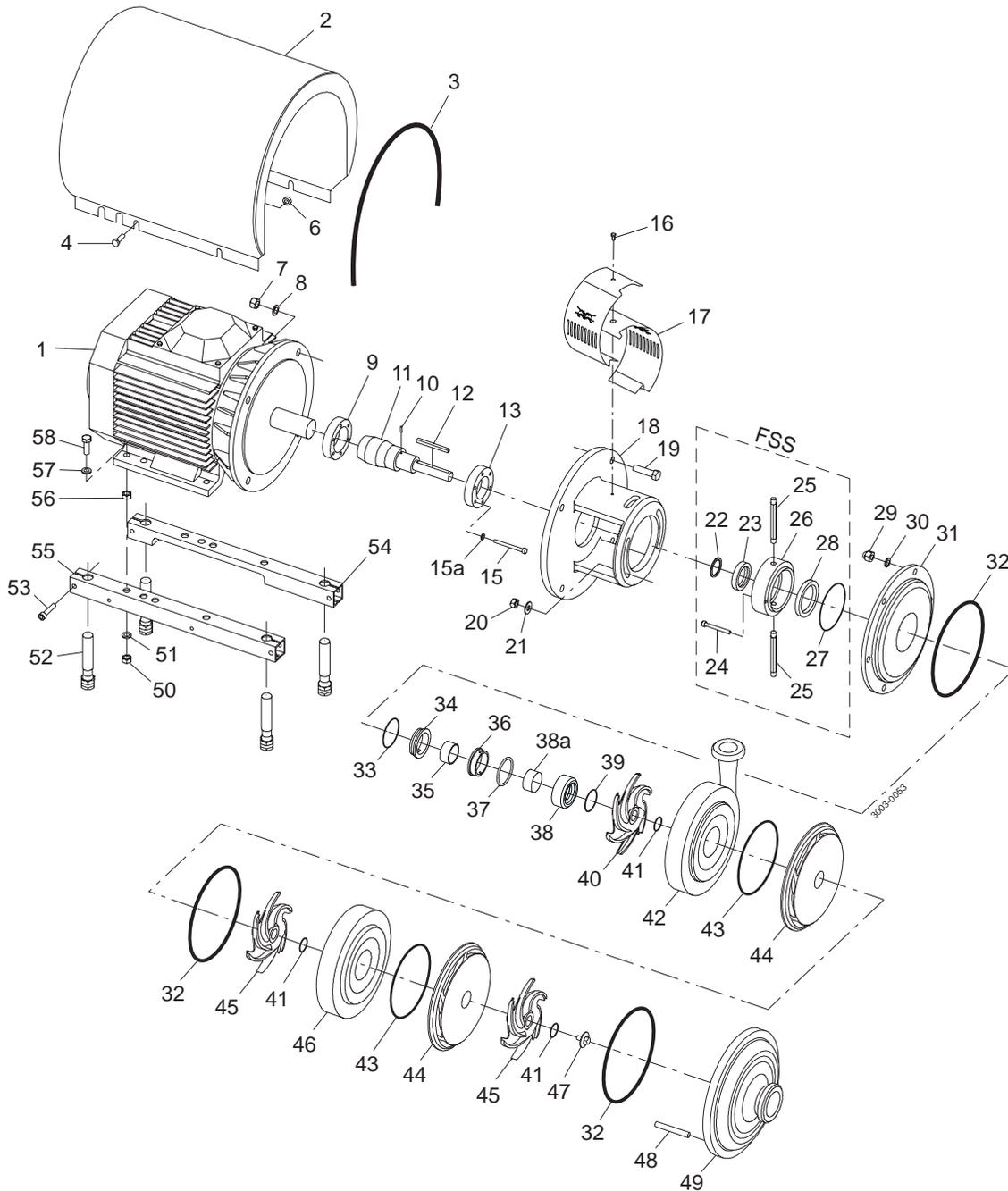


Pos	Qty	Denomination	3 kW IEC100	4 kW IEC112	5.5 kW IEC132	7.5 kW IEC160
1	1	Motor, ABB 3000rpm	9614303005	9614303006	9614303007	9614303008
	1	* Motor, ABB 3000rpm special		9614289502	9614289503	9614289504
2	1	Shroud complete	9614192203	9612139003	9612139008	9612139008
3	1	Edge list, (Incl. in pos. 2)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

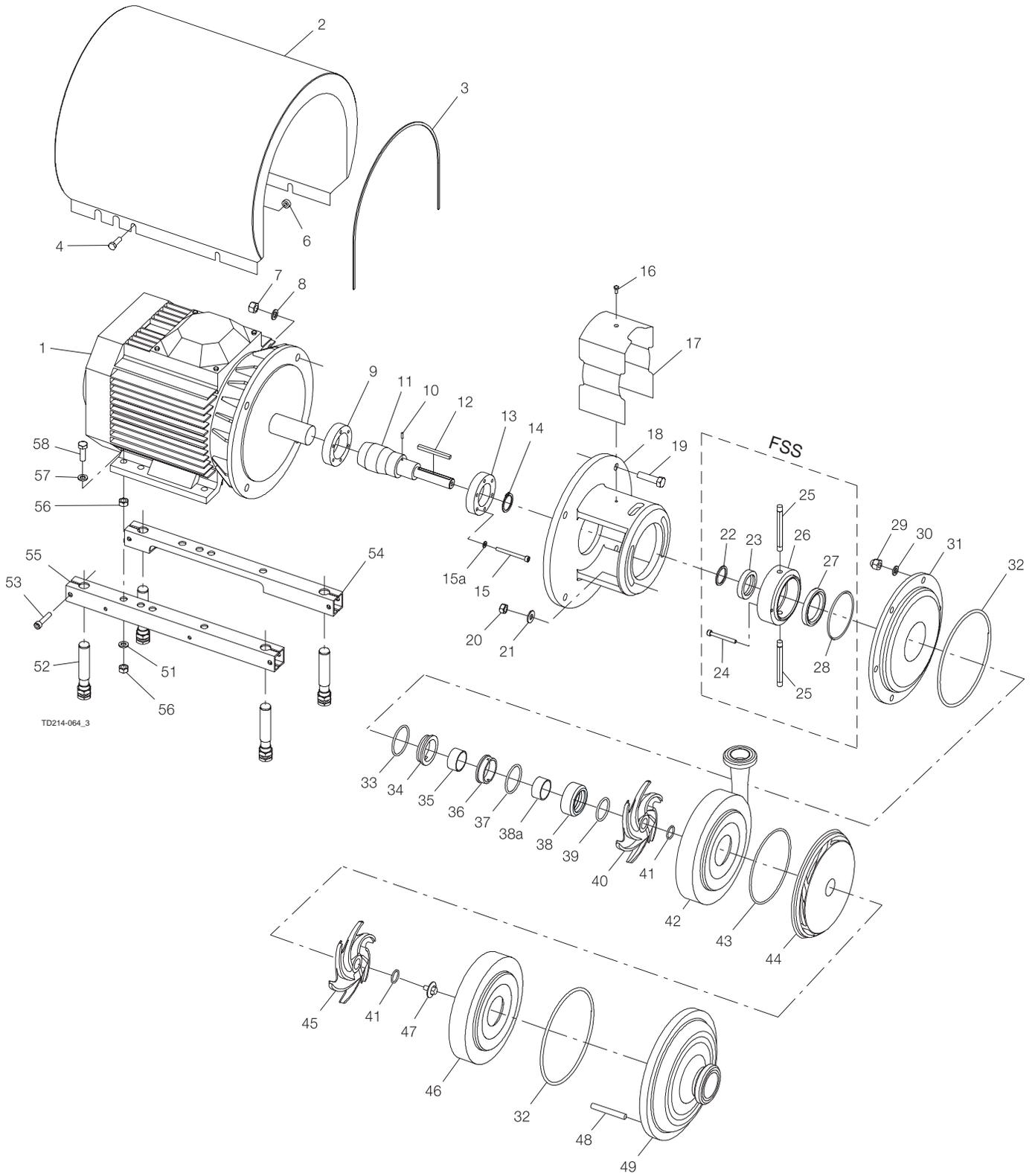
Parts marked with □◆○★ are included in the service kits.

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

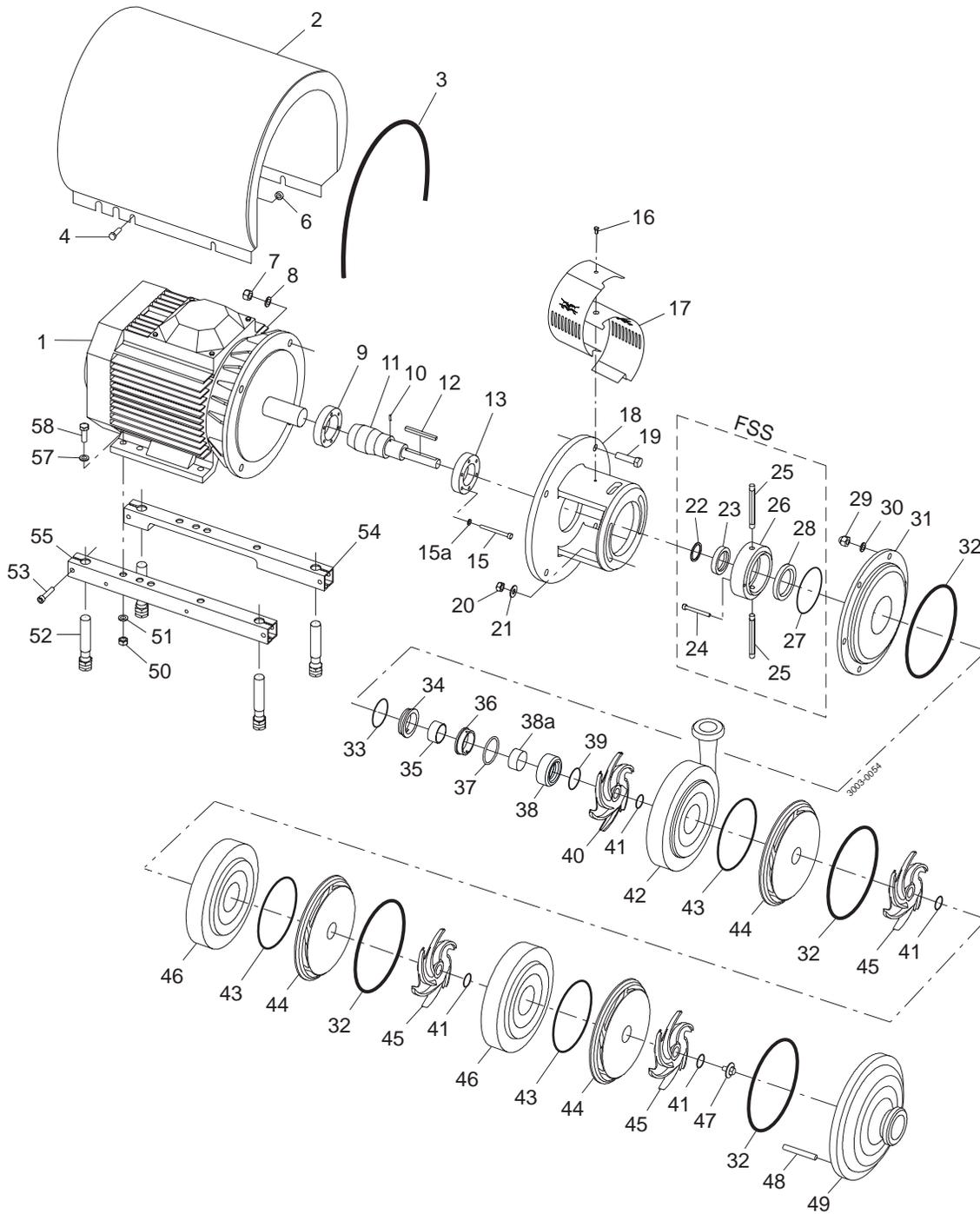
Service kit, EPDM	○ 9611922105	◆ 9611922664
Service kit, NBR	○ 9611922106	◆ 9611922665
Service kit, FPM	○ 9611922107	◆ 9611922666

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

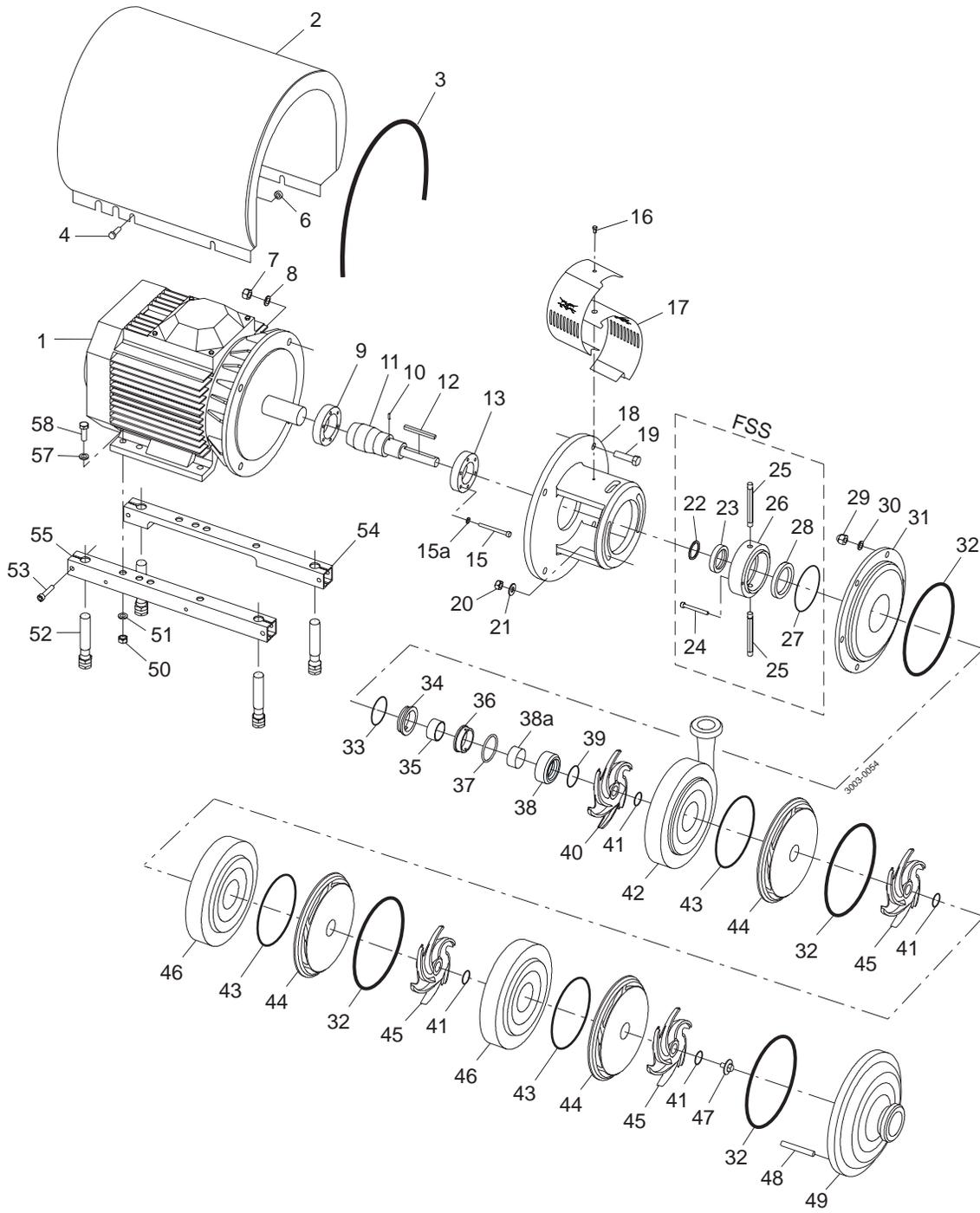


Pos	Qty	Denomination	5.5 kW IEC132	7.5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor, ABB 3000rpm	9614303007	9614303008	9614303009	9614303010	9614303011	9614303012
	1	* Motor, ABB 3000rpm special	9614289503	9614289504	9614289505	9614289506	9614289507	9614289509
2	1	Shroud 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
Legs					
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



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

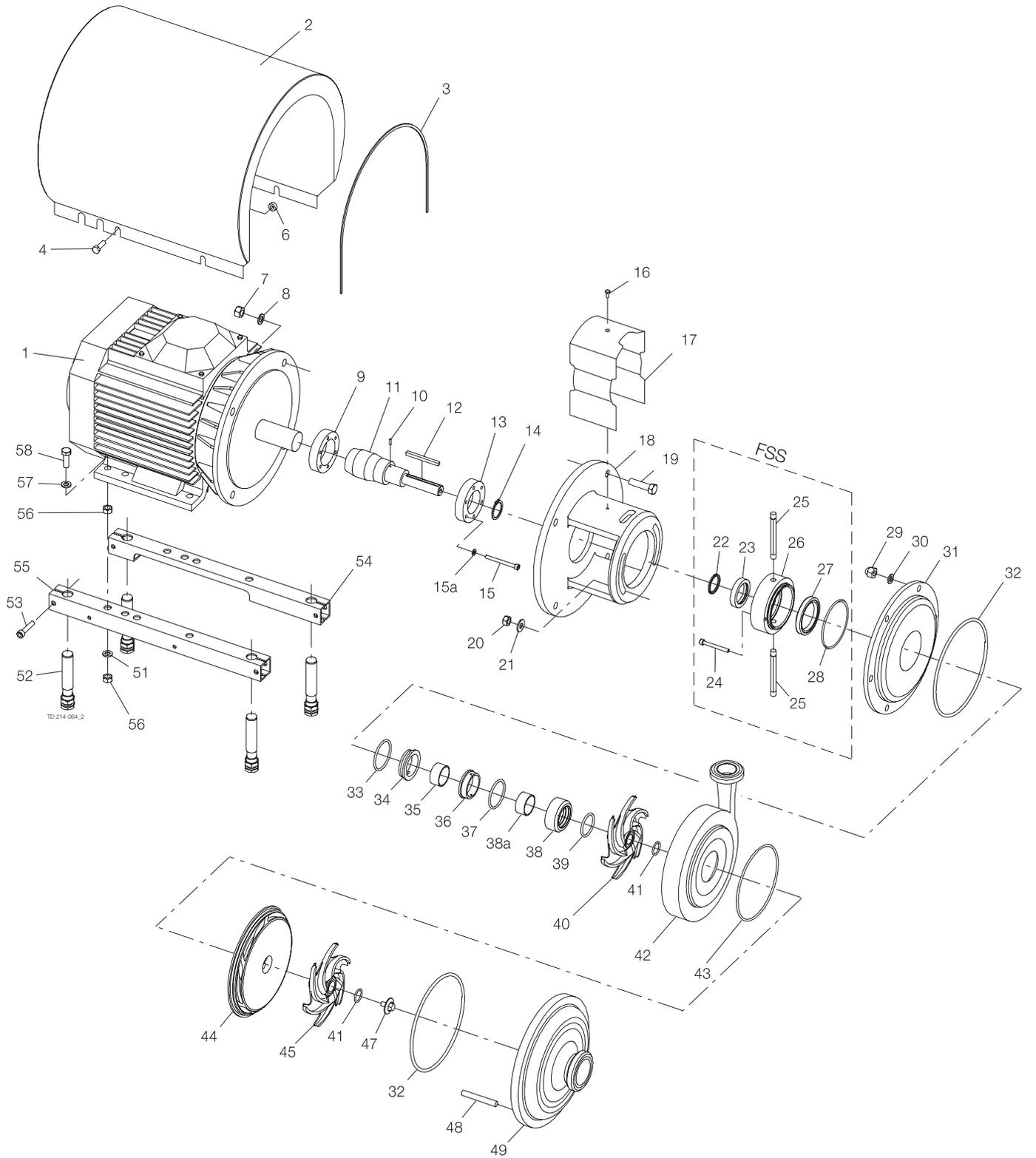
Parts marked with □◆○★ are incl. in the service kits.

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

Recommended Spare parts: Service kits

(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

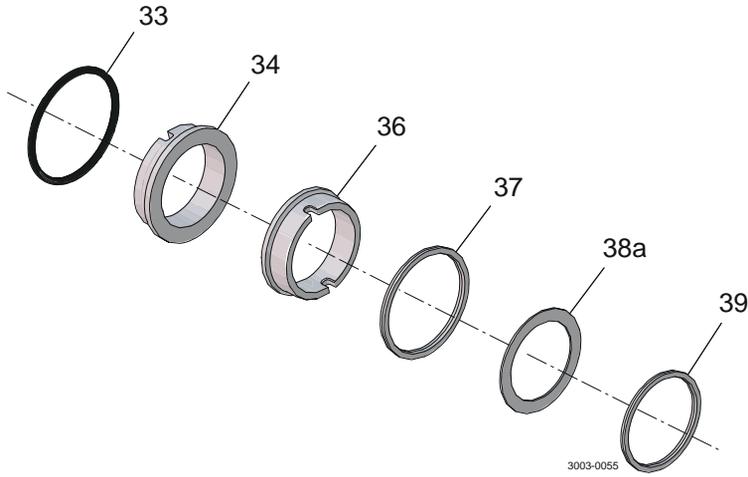
Parts marked with □◆○■ are incl. in the service kits.

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

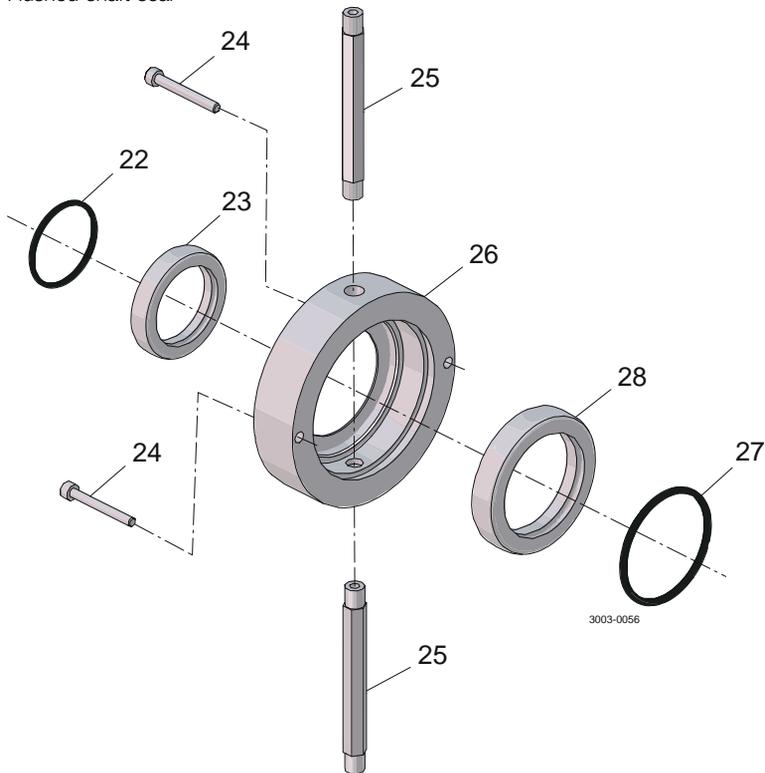
Recommended Spare parts: Service kits.

(900302/2)

Single shaft seal



Flushed shaft seal



Pos Qty Denomination 5.5-18.5 kW

Parts for flushed shaft seal

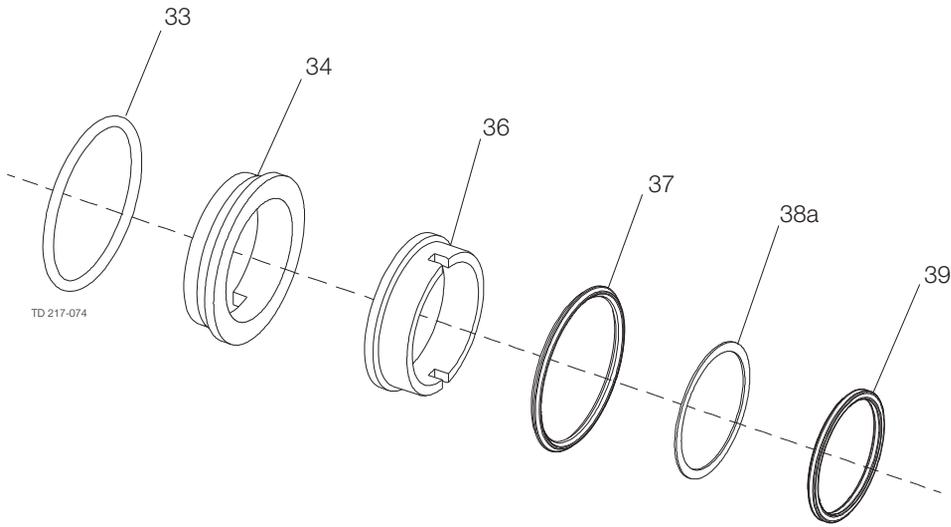
22	◆★	1	O-ring, EPDM	9611992754
23		1	Sleeve	9612362901
24		2	Screw	9611990203
25		2	Tube	9612358901
26		1	Seal housing, for flushed seal	9612362601
27	◆★	1	O-ring, EPDM	9611992753
28	◆★	1	Lip seal	9611992860

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			

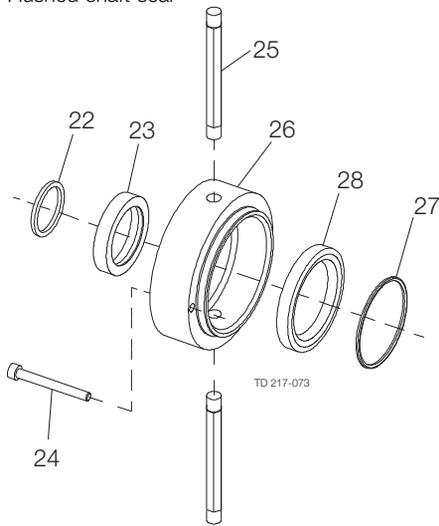
Pos	Qty	Denomination	EPDM (standard)	NBR	FPM
○★		Shaft seal complete	9612362204	9612362205	9612362206
33	1	O-ring			
34	1	Stationary seal ring, Sic.			
36	1	Rotating seal ring, Sic.			
37	1	Quad ring			
38a	1	Support ring, PTFE			
39	1	Quad ring			

(900200/2)

Single shaft seal



Flushed shaft seal



Pos Qty Denomination 7.5-20 HP

Parts for flushed shaft seal

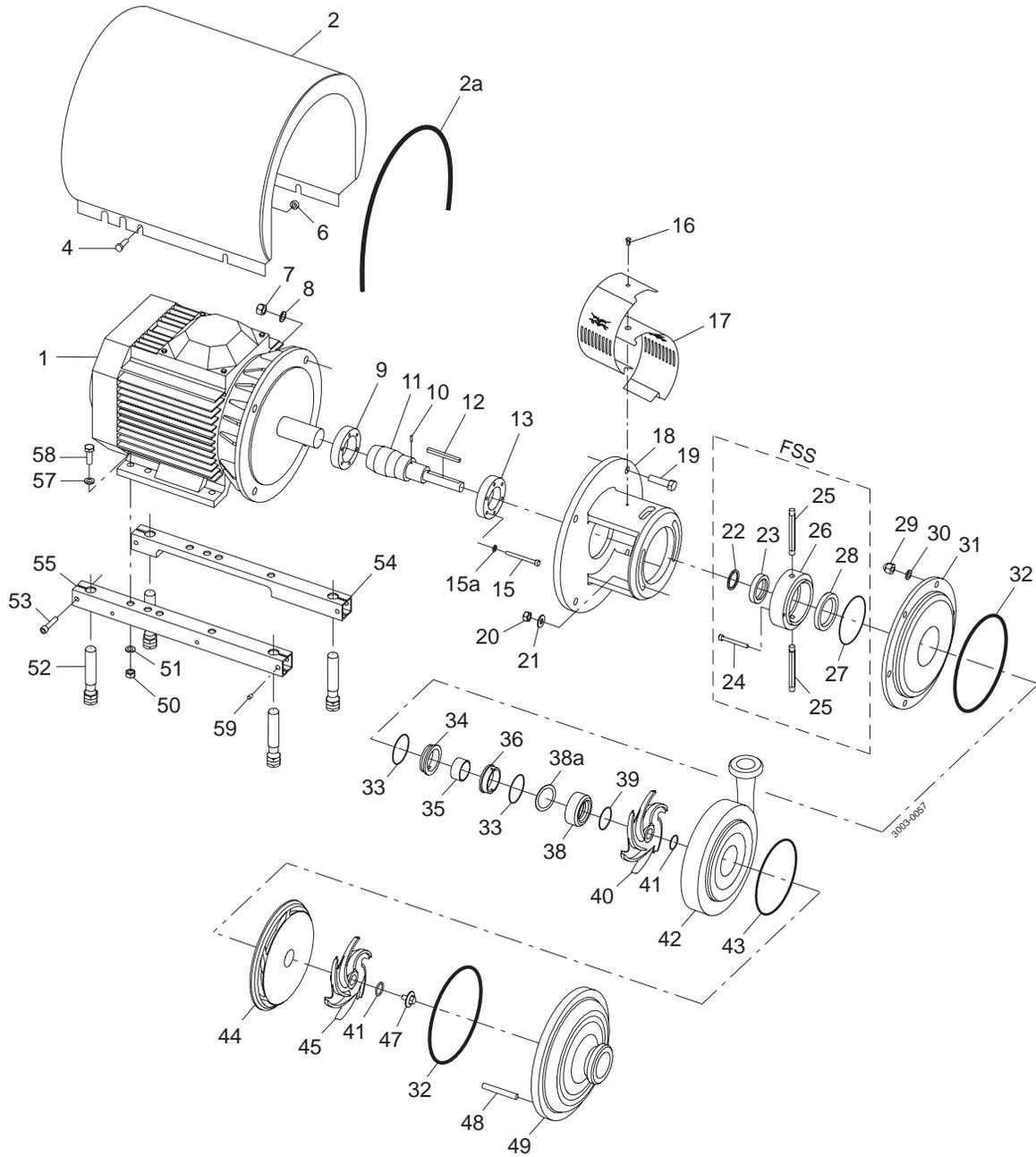
22	○	1	O-ring, EPDM	9611992754
23		1	Sleeve	9612362901
24		2	Screw	9611990203
25		2	Tube, (-04 2014)	9612358902
		2	Tube, (04 2014-)	9612358916
26		1	Seal housing for flushed seal	9612362601
		1	Seal housing for flushed seal, (04 2014-)	9612362605
27	○	1	O-ring, EPDM	9611992753
28	○	1	Lip seal	9611992860

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
Alternatives					
		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)

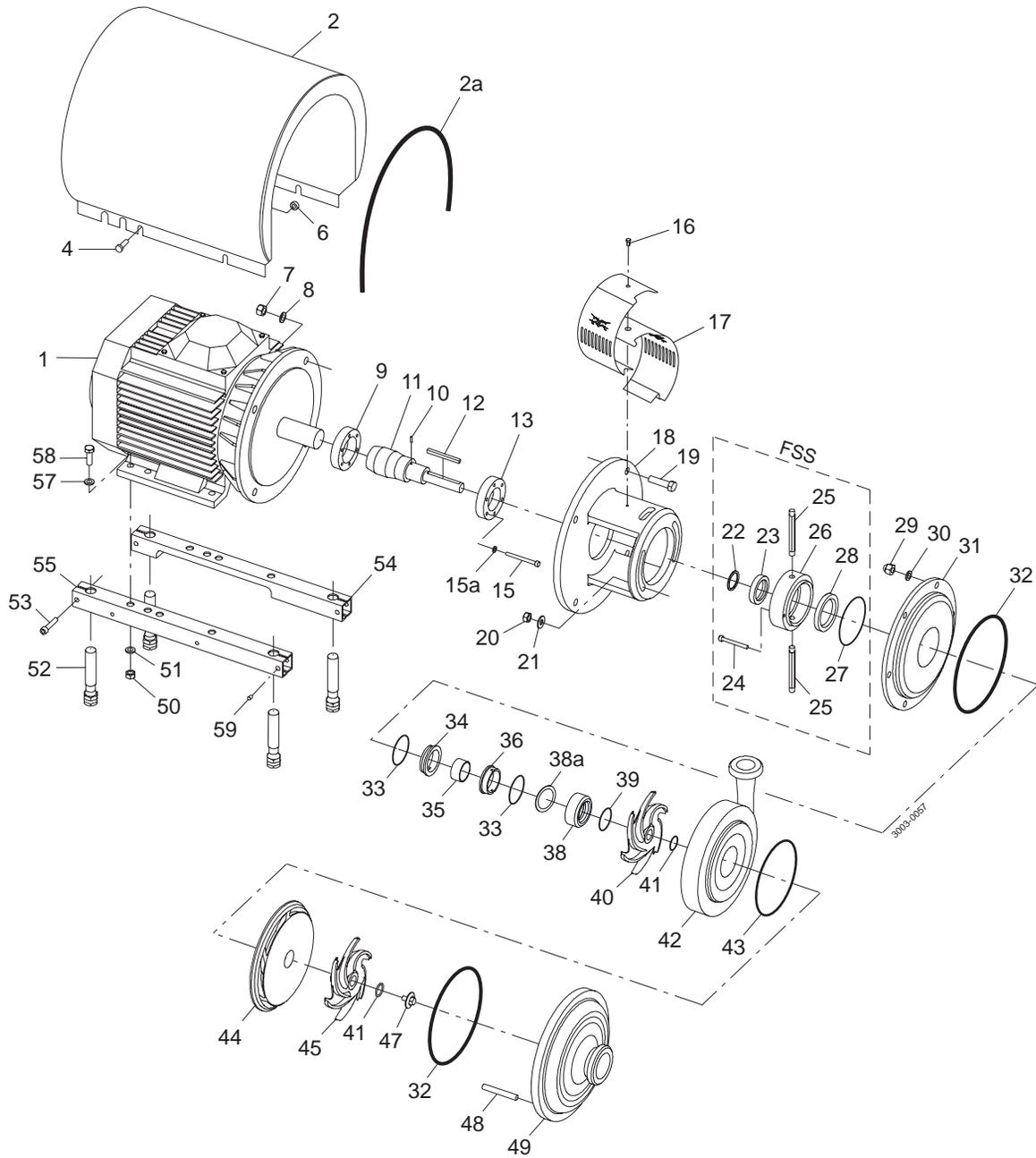
FSS = Flushed shaft seal



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 ≤ 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
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
Legs				
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
Tool				
		Tool		9612927801



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

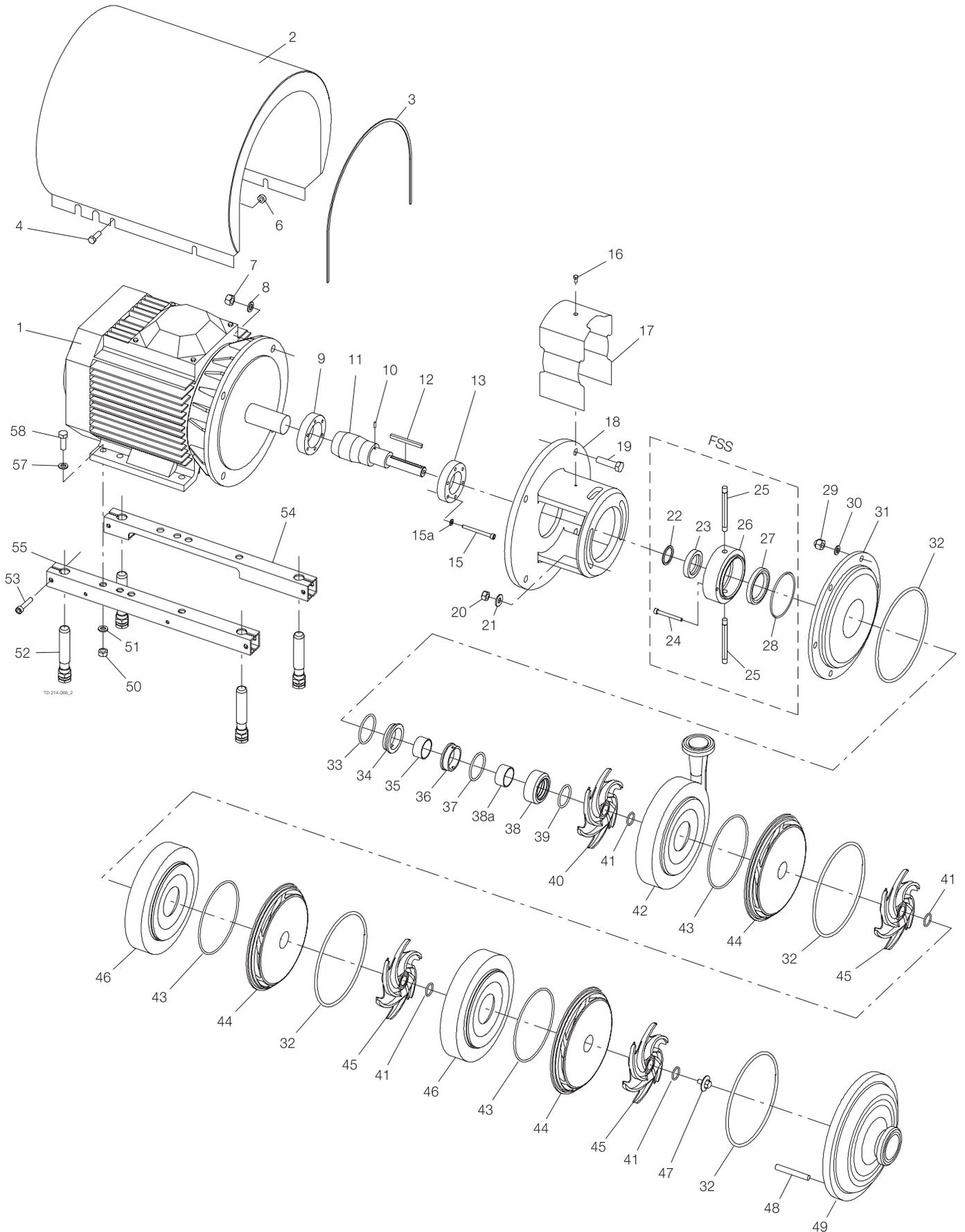
Parts marked with □◆○★ are included in the service kits.

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



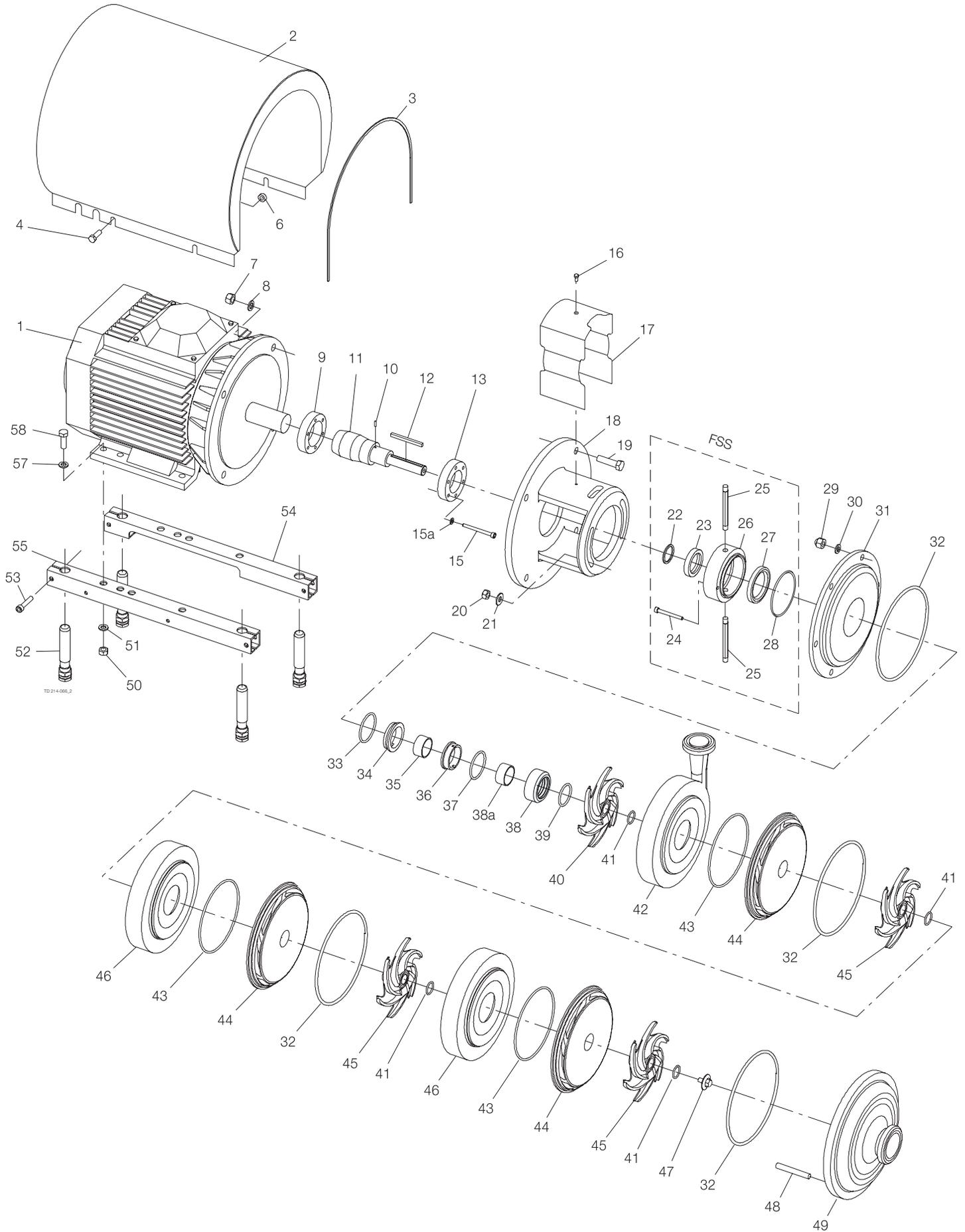
Pos	Qty	Denomination	40Hp	50Hp	60Hp
1	1	Special motor	9612990501	9612990502	9612990503
		3~,60Hz, 440-480VD -Standard			
Tool					
		Tool	9612927801		

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	
Legs					
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
Service kit for single shaft seal		
Service kit, EPDM	◆ 9611922409	■ 9611922673
Service kit, NBR	◆ 9611922410	■ 9611922674
Service kit for flushed shaft seal		
Service kit, EPDM	○ 9611922412	□ 9611922676
Service kit, NBR	○ 9611922413	□ 9611922677

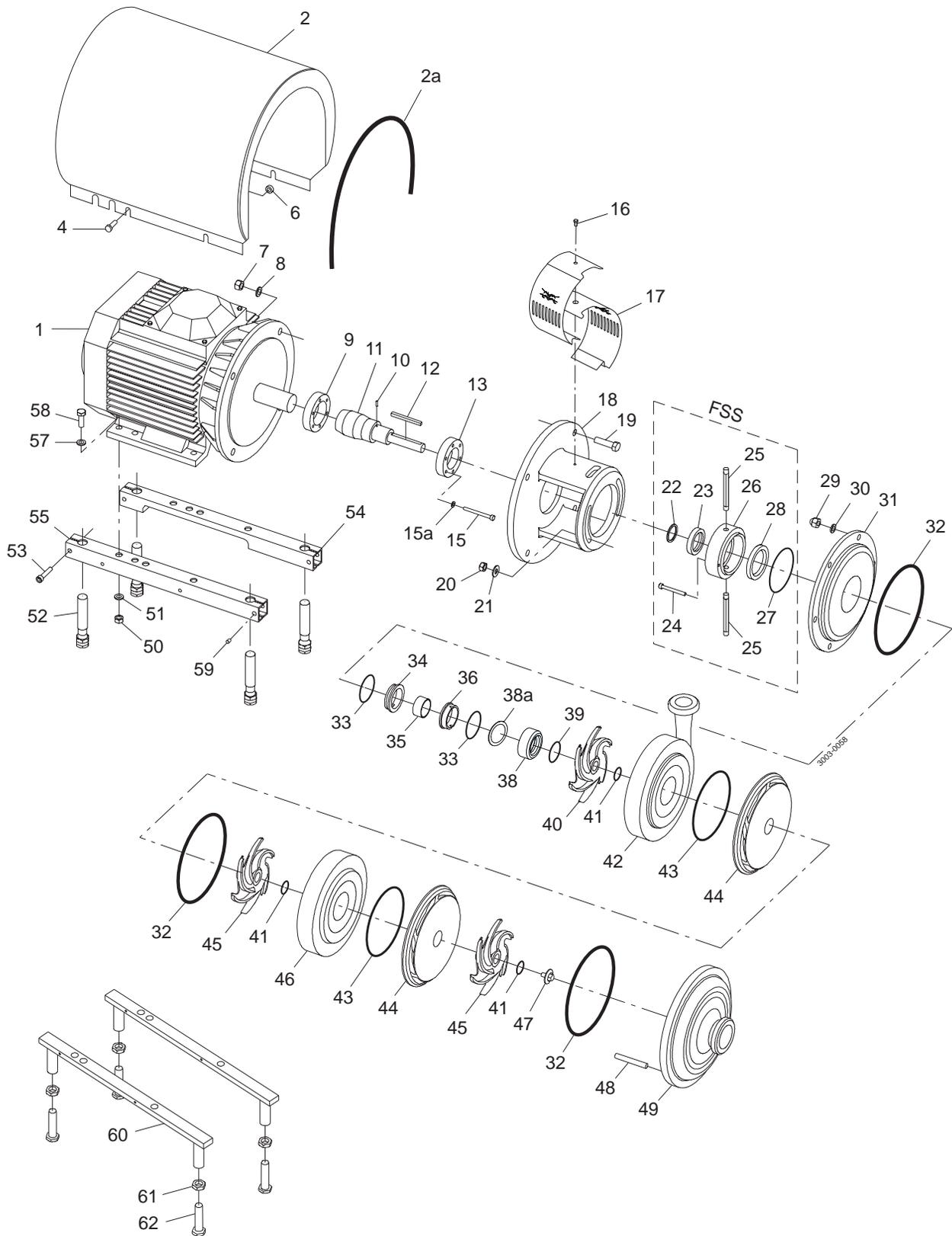
Parts marked with □◆○■ are included in the service kits.

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



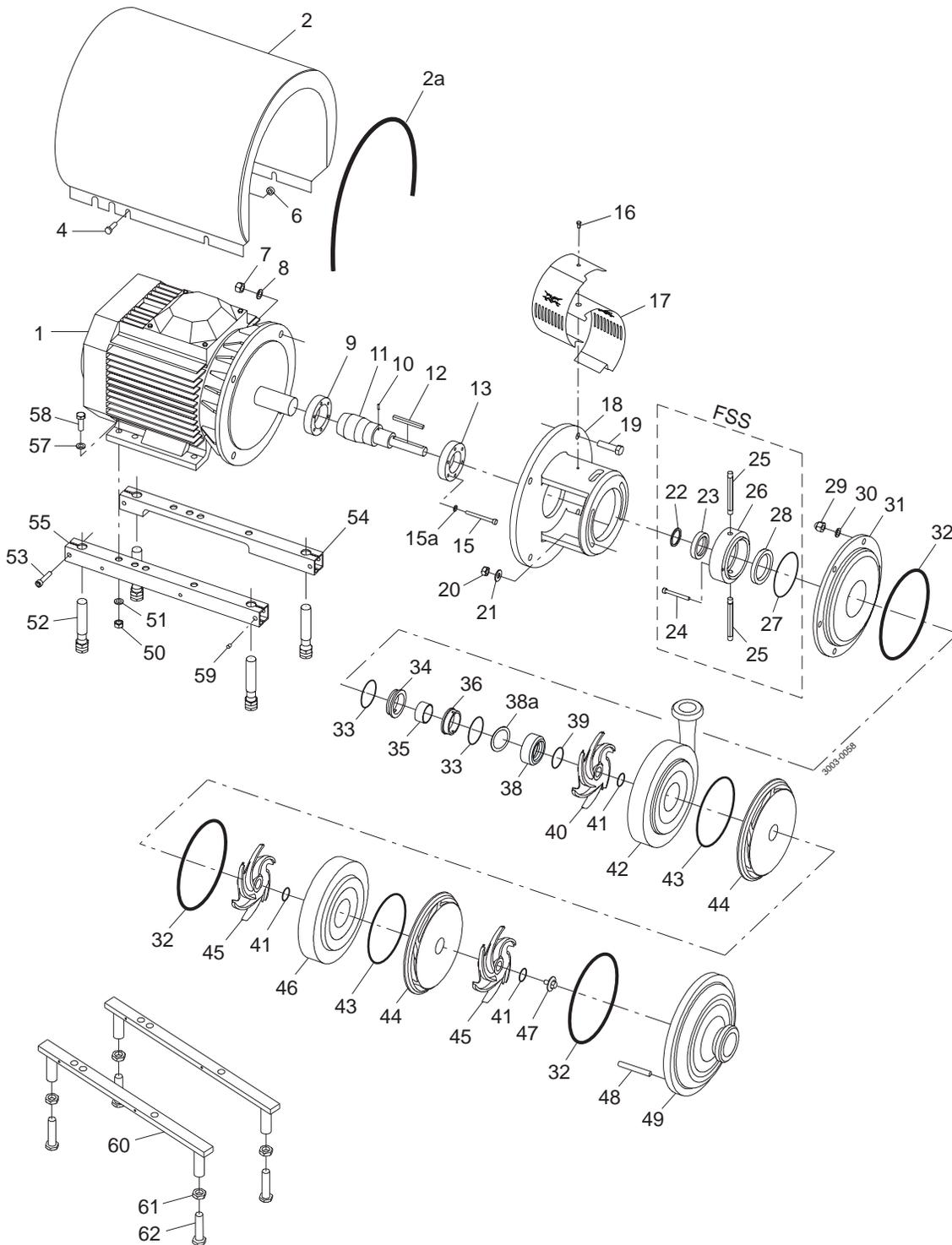
Legs for motor sizes 55-75 kW

Pos	Qty	Denomination	22kW IEC180	30 kW IEC200	37 kW IEC200	45 kW IEC200	55 kW IEC250	75 kW 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
Legs					
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
Tool					
		Tool		9612927801	

FSS = Flushed shaft seal



Legs for motor sizes 55-75 kW

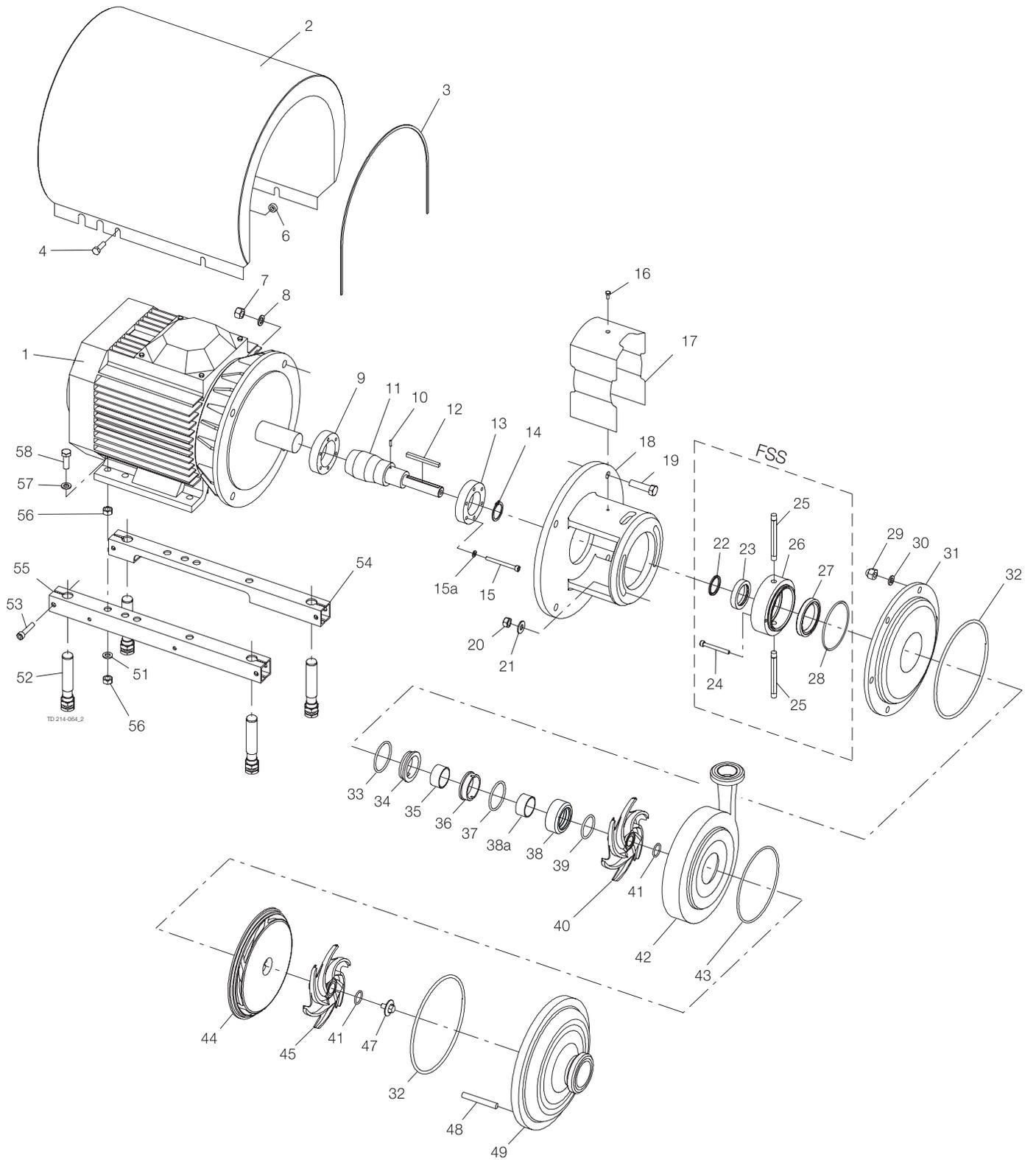
	C/SiC	SiC/SiC
Service kit for single shaft seal		
Service kit, EPDM	□ 9611922934	○ 9611922679
Service kit, NBR	□ 9611922935	○ 9611922680
Service kit for flushed shaft seal		
Service kit, EPDM	◆ 9611922937	★ 9611922682
Service kit, NBR	◆ 9611922938	★ 9611922683

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.

(900235/10)

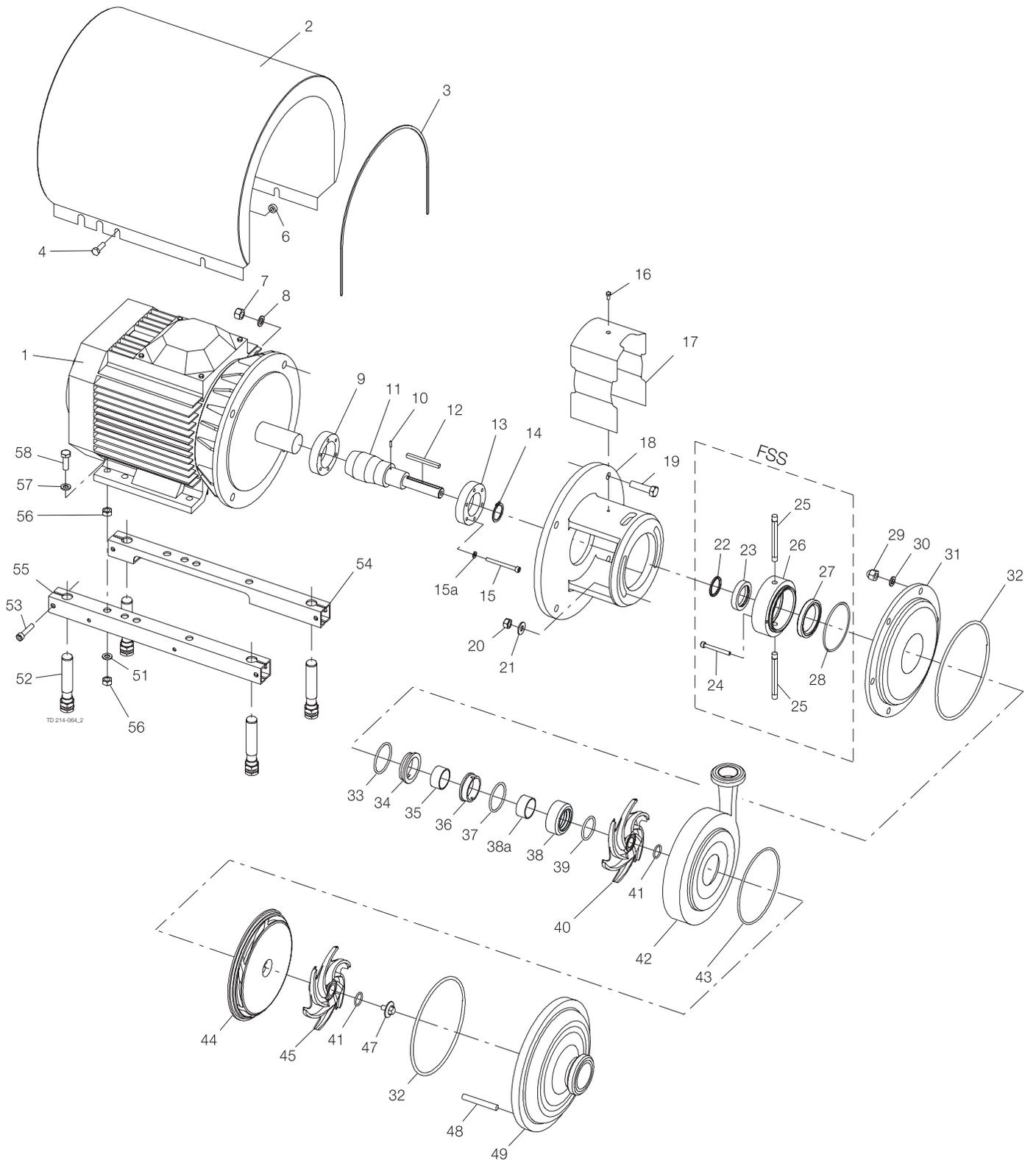


Pos	Qty	Denomination	40Hp	50Hp	60Hp	75Hp	100Hp
1	1	Special motor 3~,60Hz, 440-480VD -Standard	9612990501	9612990502	9612990503	9612990504	9612990505
Tool							
		Tool	9612927801				

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

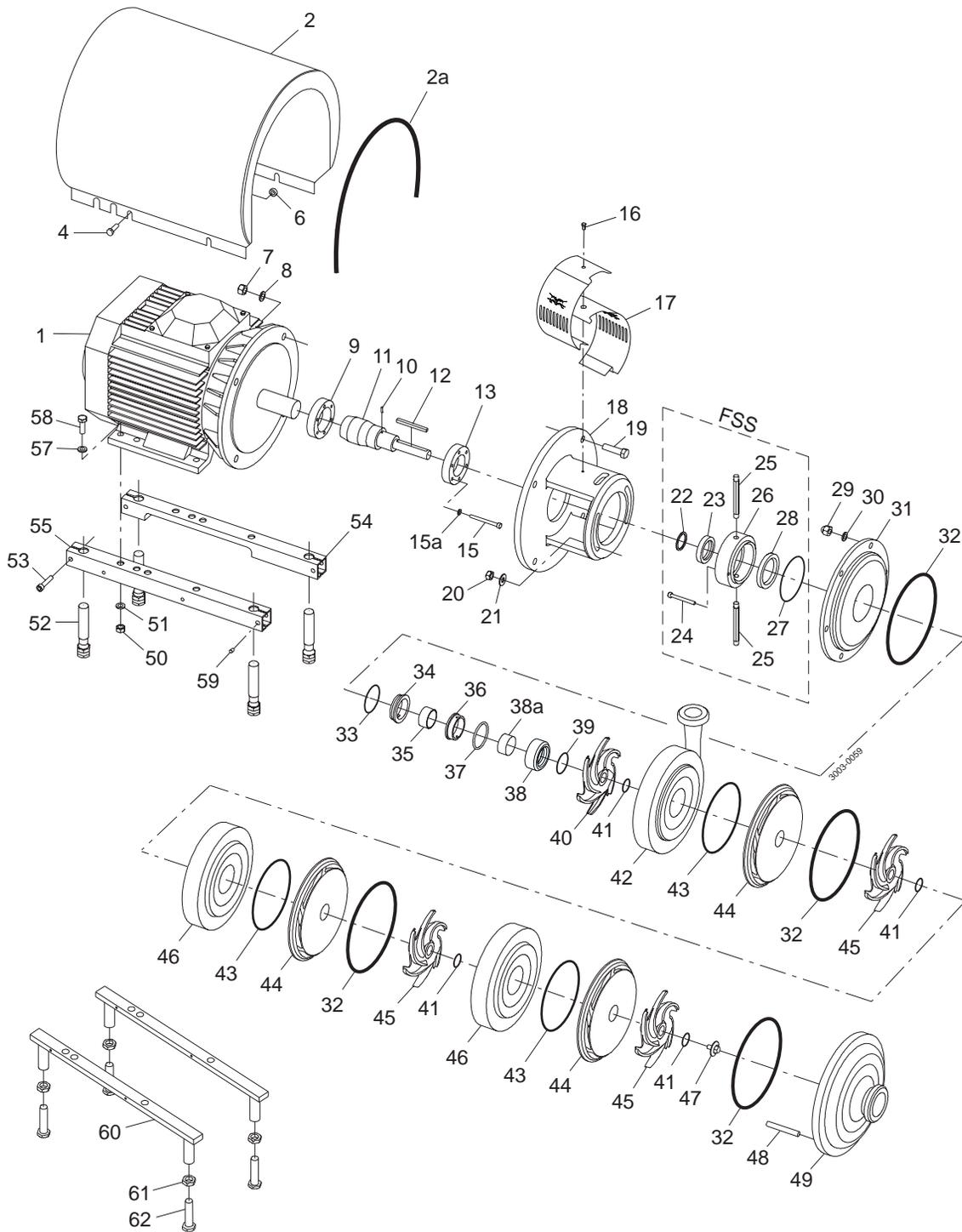
Parts marked with □◆○■ are included in the service kits.

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

Recommended Spare parts: Service kits

(900249/7)

FSS = Flushed shaft seal



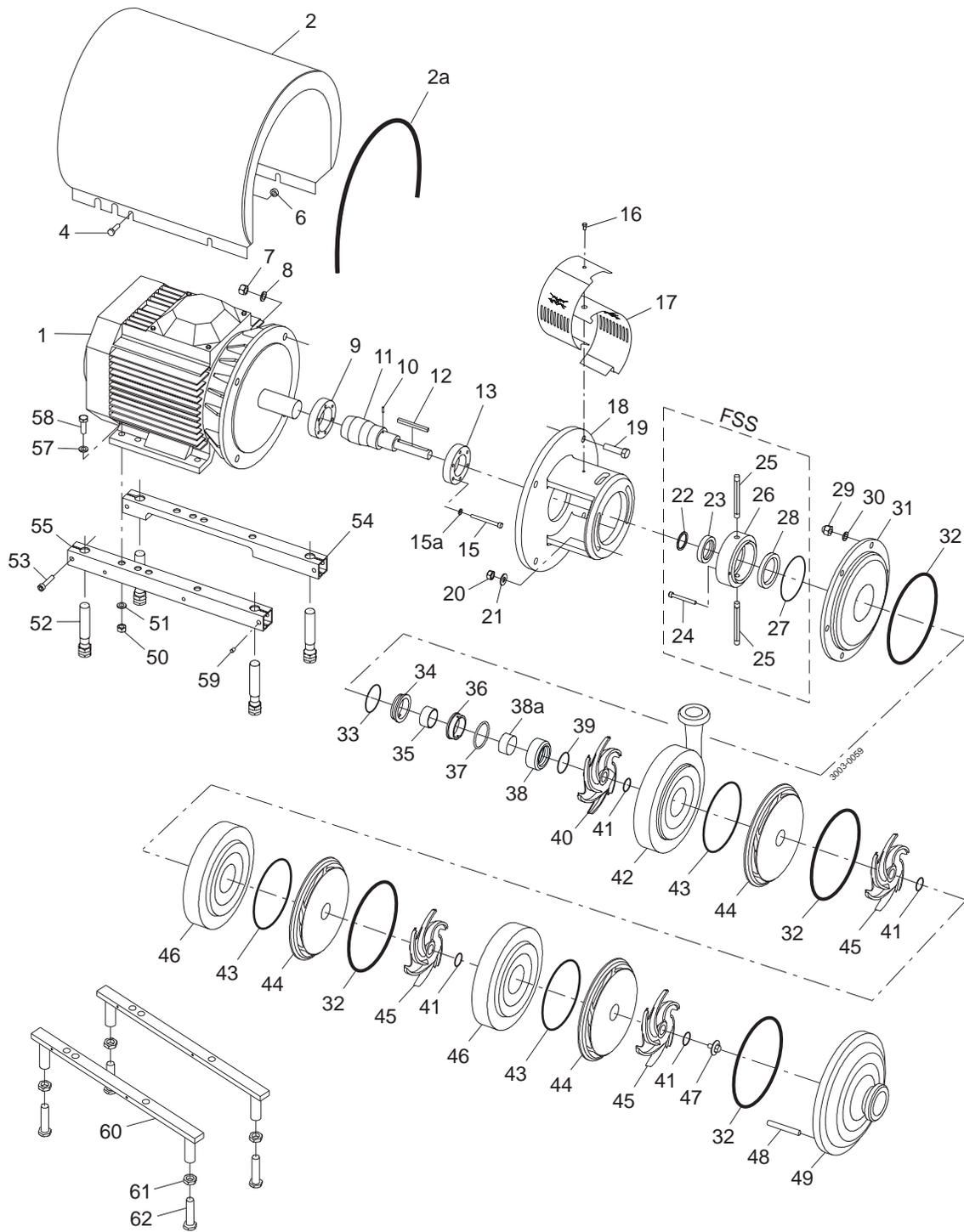
Legs for motor sizes 55-75 kW

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 \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	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
Legs				
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
Tool				
		Tool	9612927801	

FSS = Flushed shaft seal



Legs for motor sizes 55-75 kW

	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

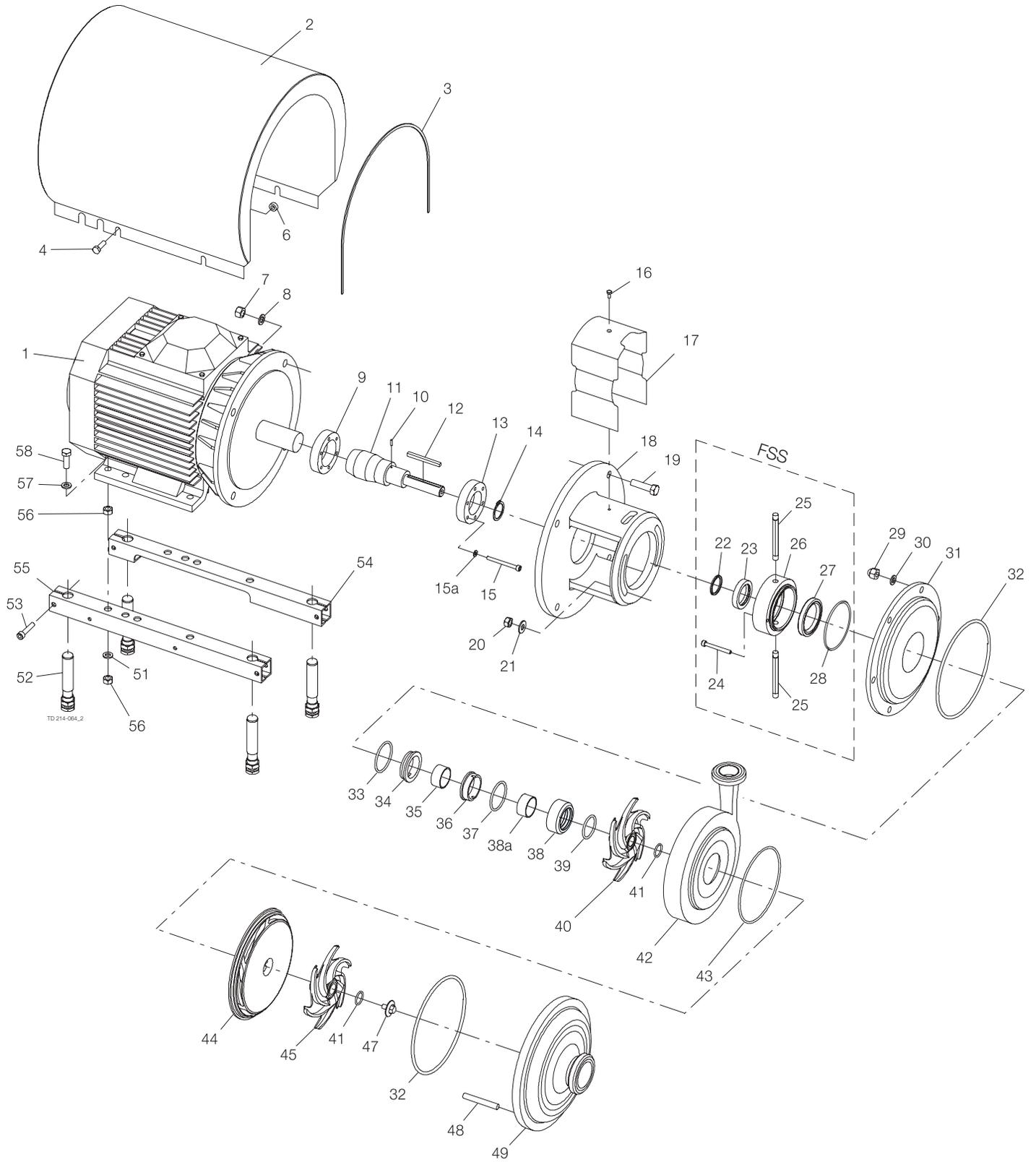
Parts marked with □◆○★ are included in the service kits.

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

Recommended Spare parts: Service kits.

(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

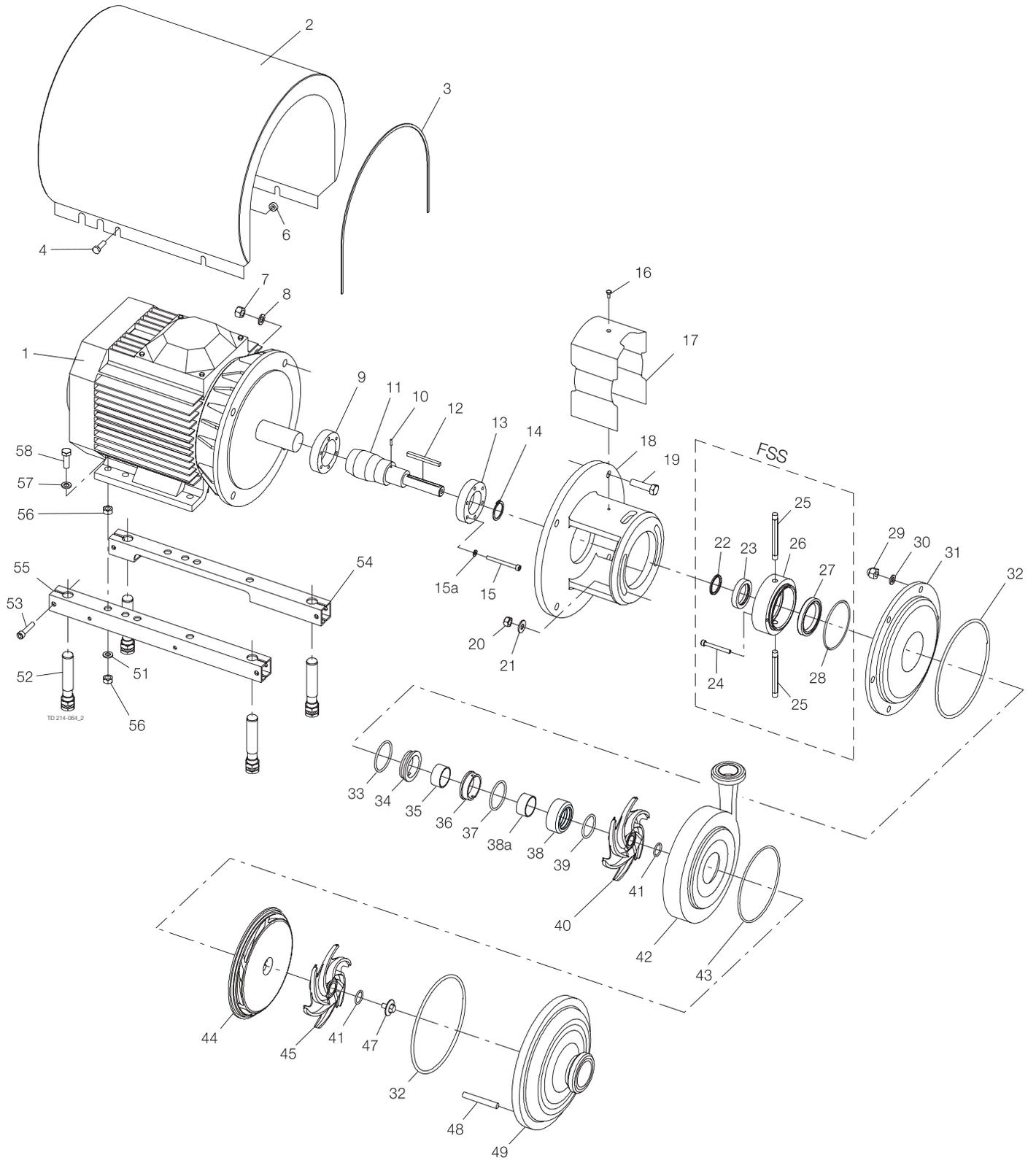
Tool

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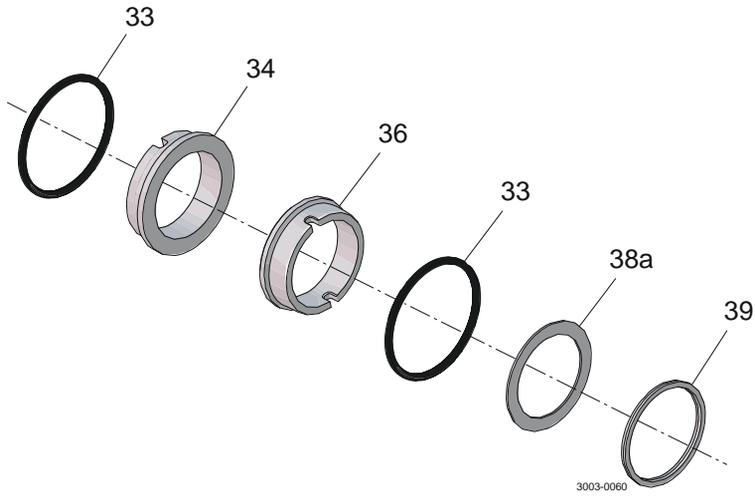
Surface roughness, product wetted parts: Ra £ 0.8 mm (3A)

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

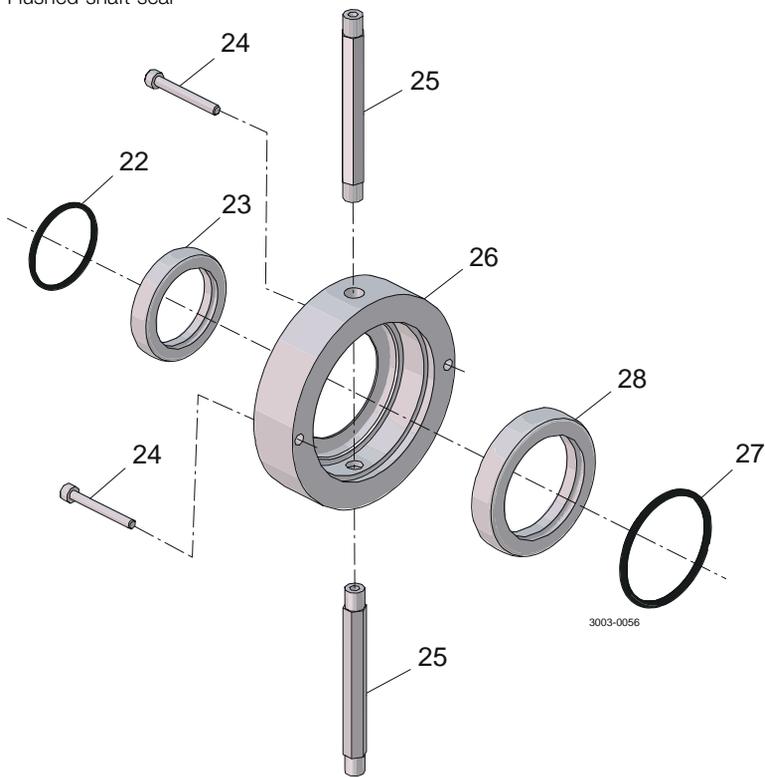
FSS = Flushed Shaft Seal



Single shaft seal



Flushed shaft seal



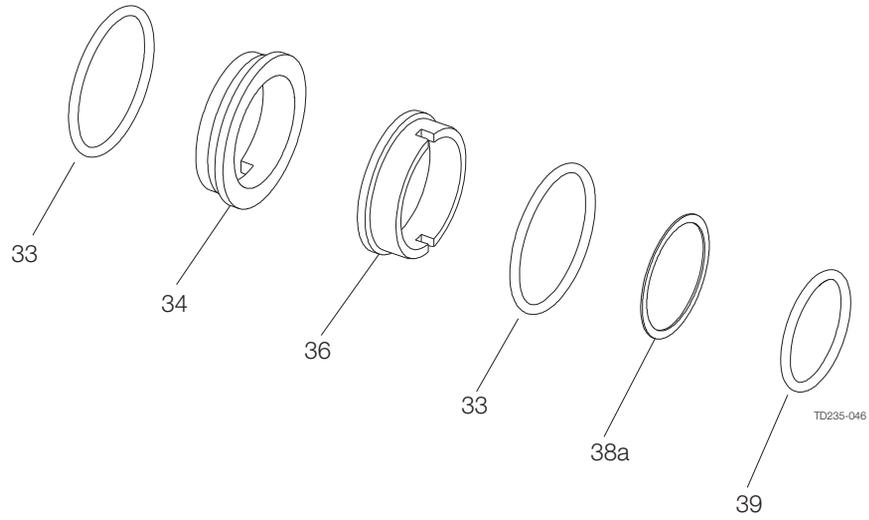
Pos	Qty	Denomination	30-75kW
For flushed shaft seal			
22	♦♦	1 O-ring, EPDM	9611993586
23		1 Sleeve	9612362903
24		2 Screw	9611994038
25		2 Tube	9612358909
26		1 Seal housing for flushed seal	9612362603
27	♦♦	1 O-ring, EPDM	9611992753
28	♦♦	1 Lip seal	9611993587

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		

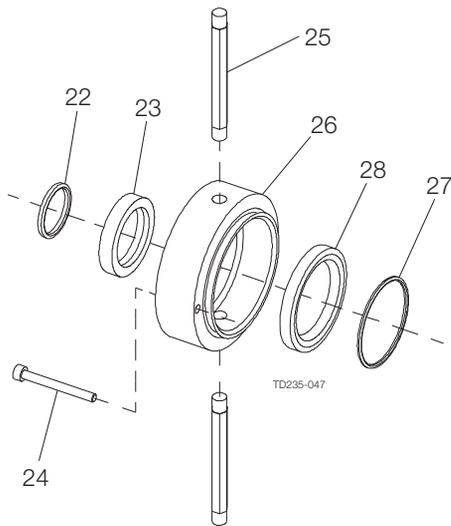
Pos	Qty	Denomination	EPDM	NBR
Alternatives				
	○*	Shaft seal complete	9612602404	9612602405
34	1	Stationary seal ring, Sic.		
36	1	Rotating seal ring, Sic.		
33	2	O-ring		
38a	1	Support ring		
39	1	O-ring		

(900237/6)

Single shaft seal



Flushed shaft seal

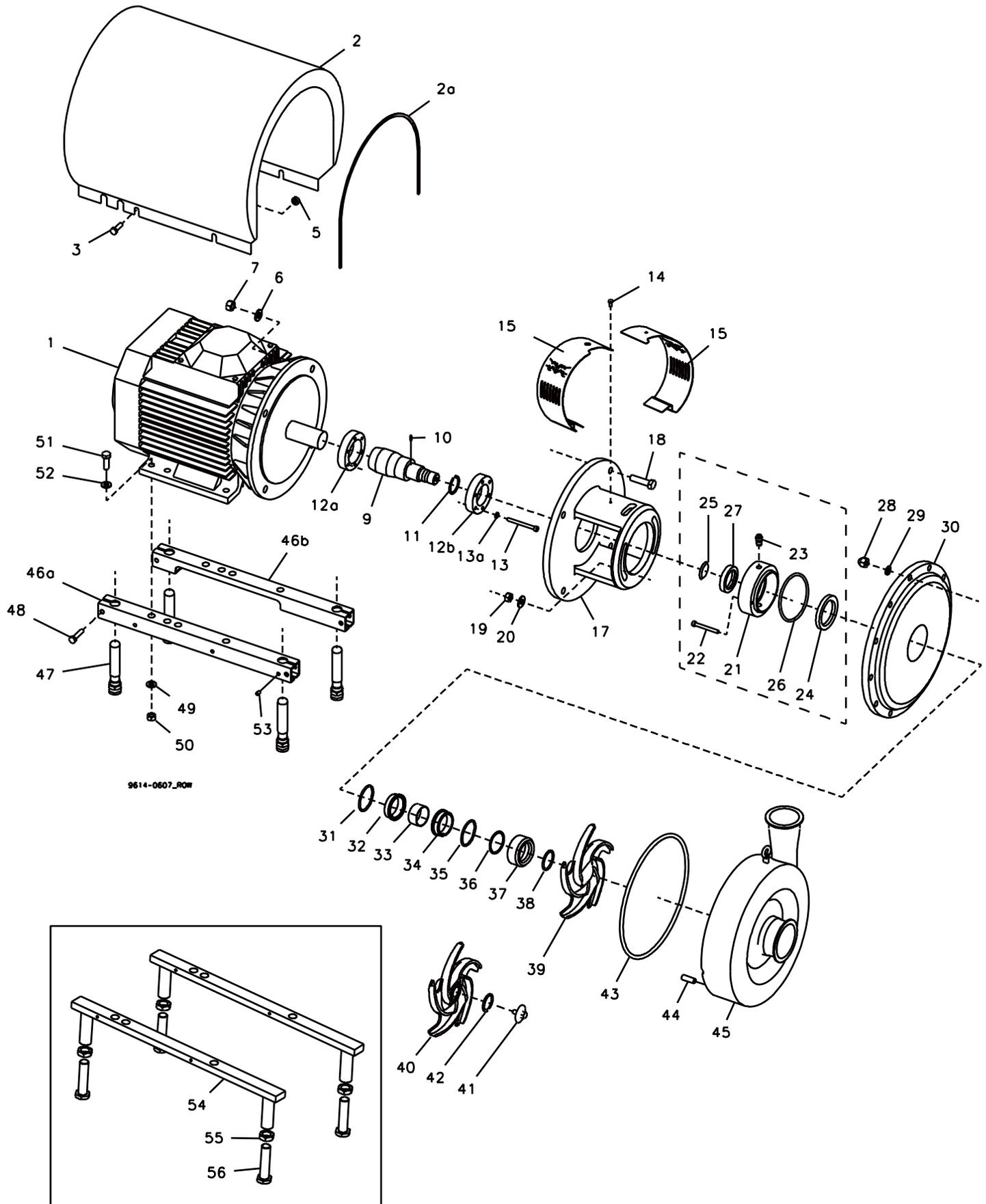


Pos	Qty	Denomination	40-100Hp
For flushed shaft seal			
22	□○ 1	O-ring, EPDM	9611993586
23	1	Sleeve	9612362903
24	2	Screw	9611994038
25	2	Tube, (-04 2014)	9612358910
	2	Tube, (04 2014-)	9612358919
26	1	Seal housing for flushed seal, (-04 2014)	9612362603
	1	Seal housing for flushed seal, (04 2014-)	9612362607
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
Alternatives				
□■		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)



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	9612484037

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

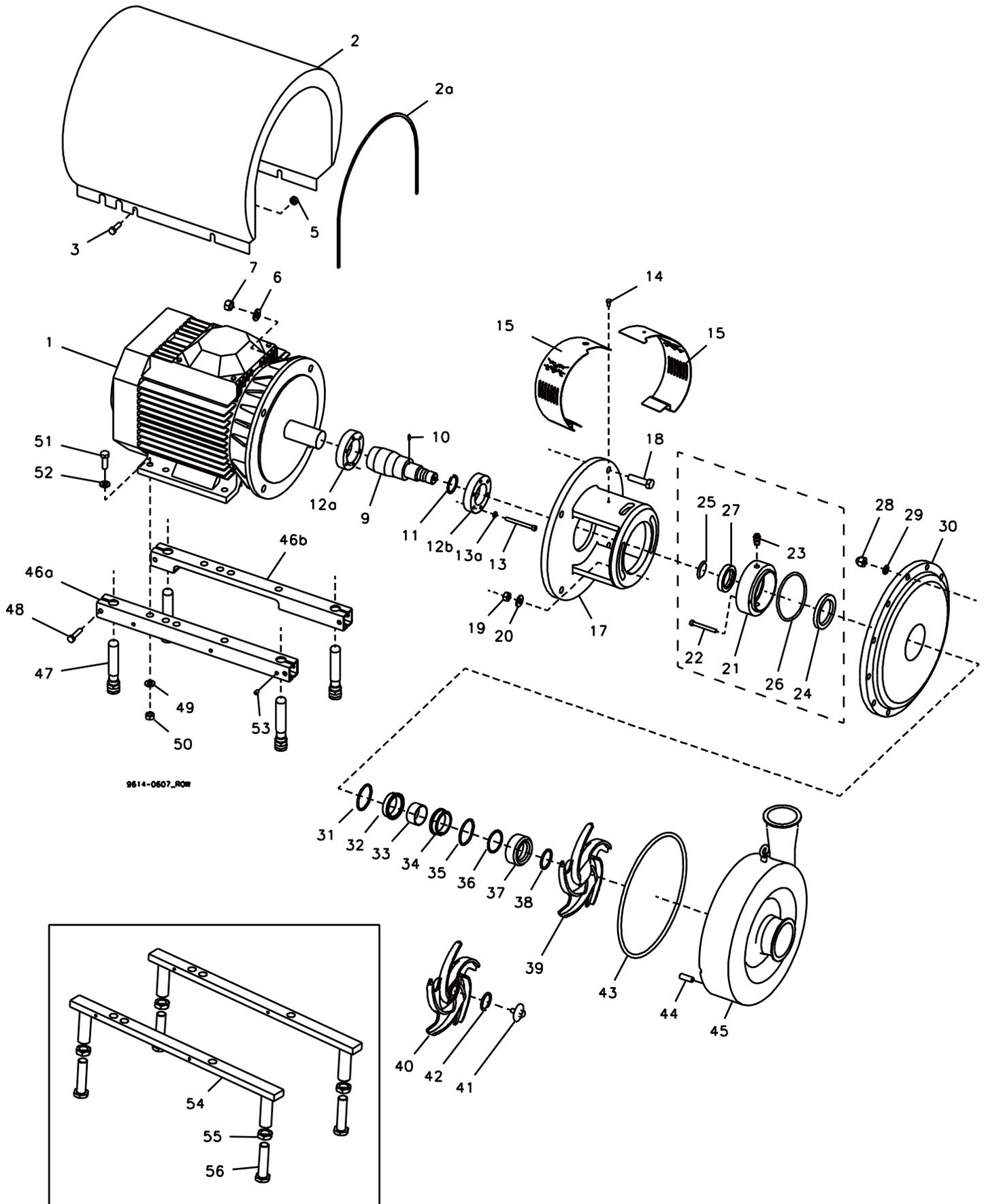
Pos	Qty	Denomination	LKHPF-10 IEC90-IEC112	LKHPF-20 IEC90-IEC132	LKHPF-25 IEC112-IEC160	LKHPF-35 IEC112-IEC160	LKHPF-40 IEC132-IEC180
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Pump casing Mech Ra ≤ 0.8

45	1	Pump casing compl., Flange	9612484040	9612484041	9612511727	9612511728	9612484042
	1	Pump casing compl., Clamp	9612484045	9612484046	9612511730	9612511731	9612484047

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

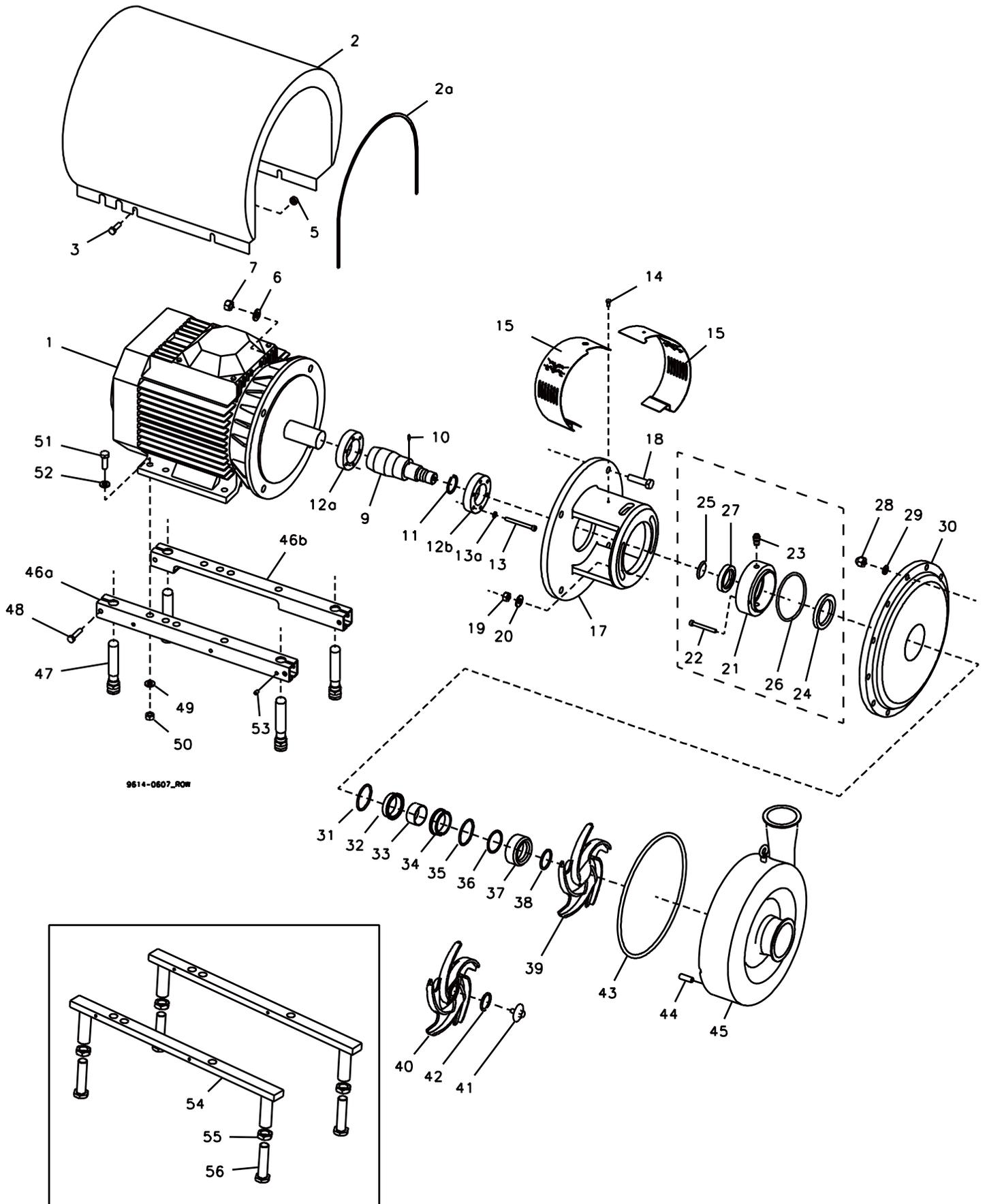


Pos	Qty	Denomination	LKHPF-10	LKHPF-20	LKHPF-25	LKHPF-35	LKHPF-40
			IEC90-IEC112	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160	IEC132-IEC180
19	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559
28	10	Cap nut	9611992593	9611992593	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	9612408401
	1	Impeller, Mech Ra ≤ 0.8	9612408105	9612408205	9612510305	9612510405	9612408405
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	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
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
44	10	Bolt	9611995162	9611995162	9611995085	9611995085	
	12	Bolt					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	9612139603	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
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
44	10	Bolt	9611995085			
	12	Bolt		9611995085	9611995085	
	18	Bolt				9611995085

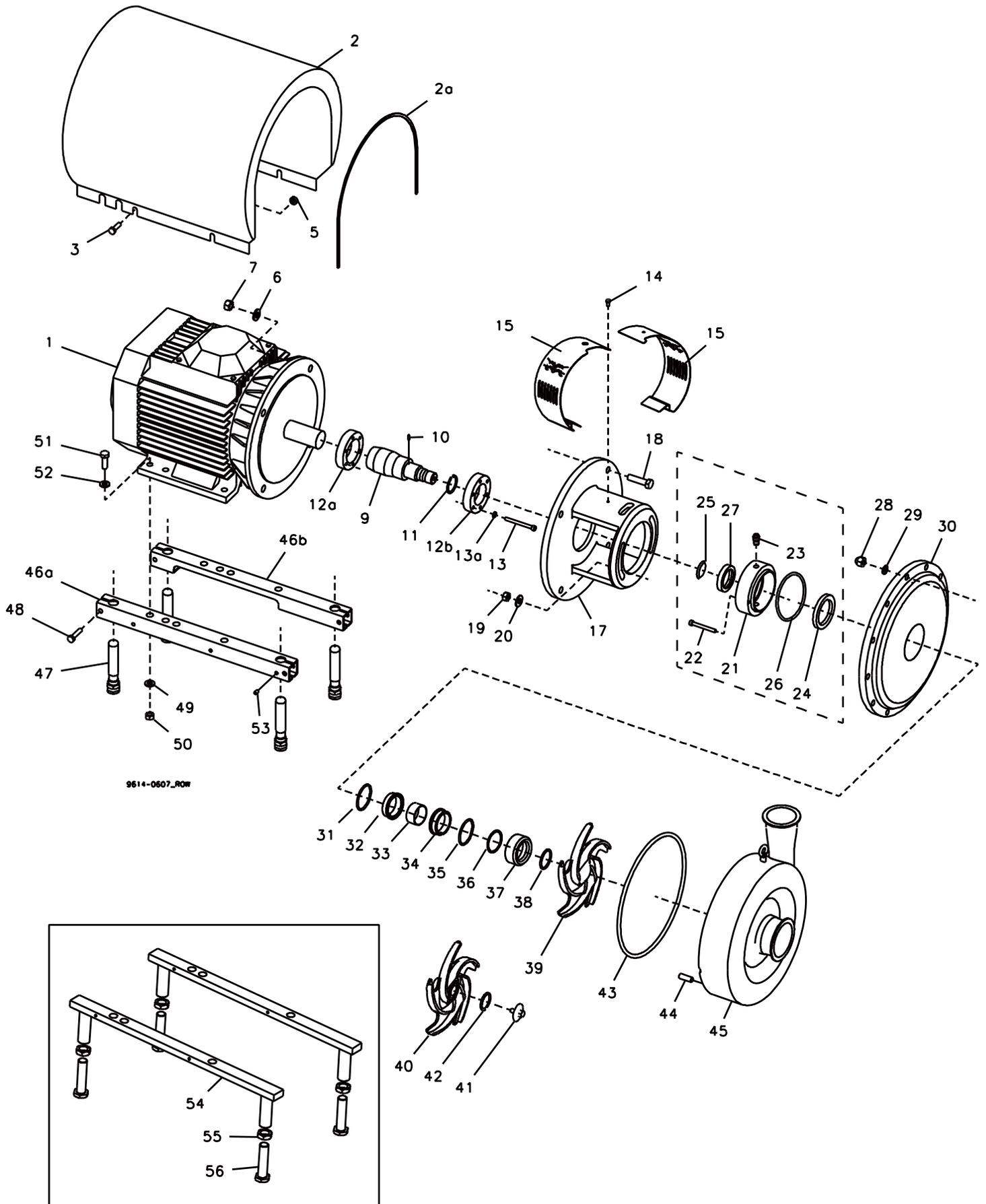
Pos	Qty	Denomination	LKHPF-10 7.5 Hp	LKHPF-20 7.5-10 Hp	LKHPF-25 7.5-20 Hp	LKHPF-35 7.5-20 HP	LKHPF-40 10-30 Hp
Pump Casing Polished Ra ≤ 32							
19	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
20	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559
28	10	Cap nut	9611992593	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
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
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
Pump Casing Polished Ra ≤ 32							
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		9612139603	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
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
44	10	Bolt			9611995085	9611995085	
	12	Bolt					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	9611991888
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	9611990587	9611990935
50	4	Nut	9611990676	9611990676	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

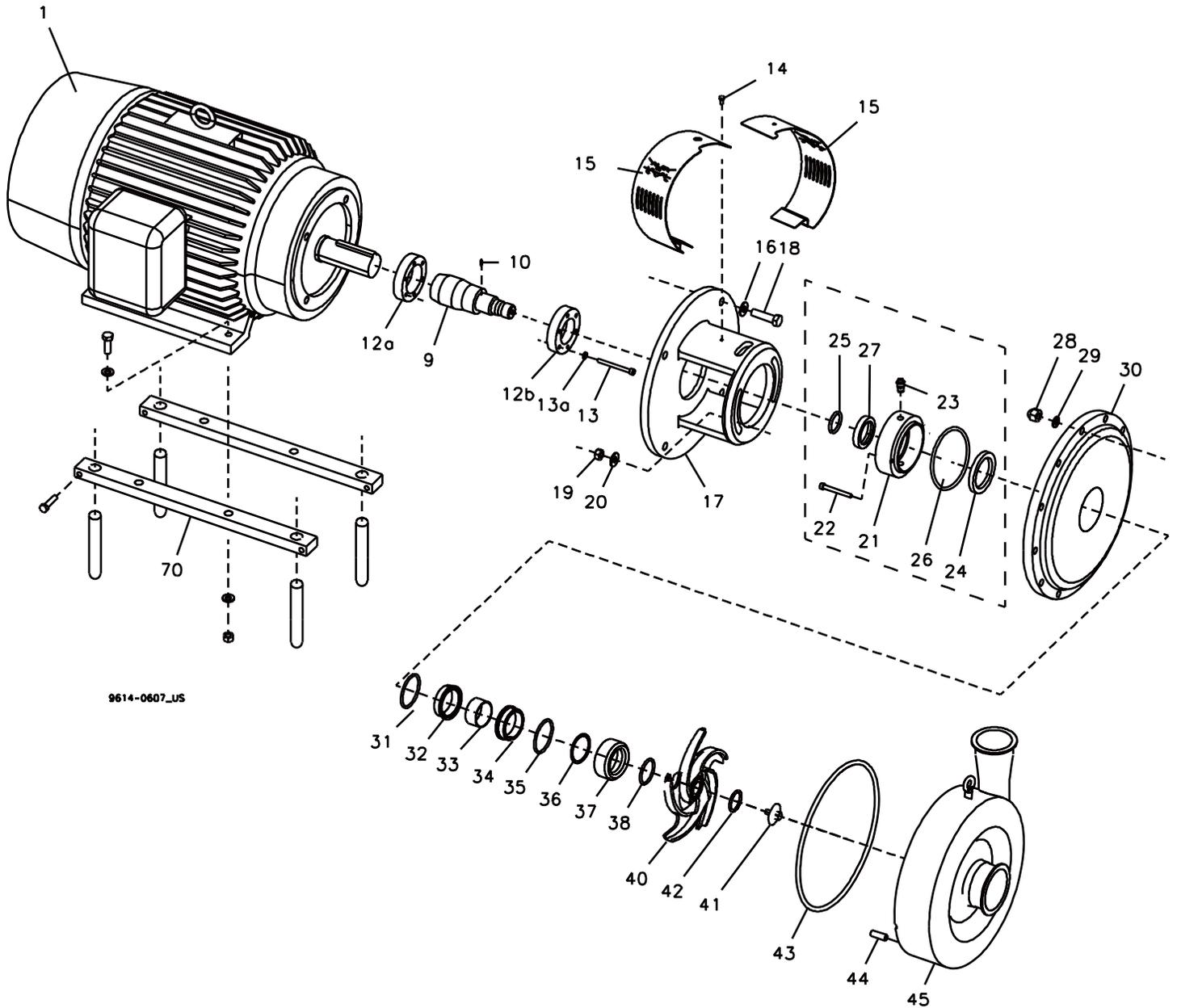


Pos	Qty	Denomination	2.2 kW IEC90	4 kW IEC100	5.5 kW IEC112	7.5 kW IEC132	11 kW IEC160
1	1	Motor ABB, 3000rpm special bearing	9614289501	9614289502	9614289503	9614289504	9614289505

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

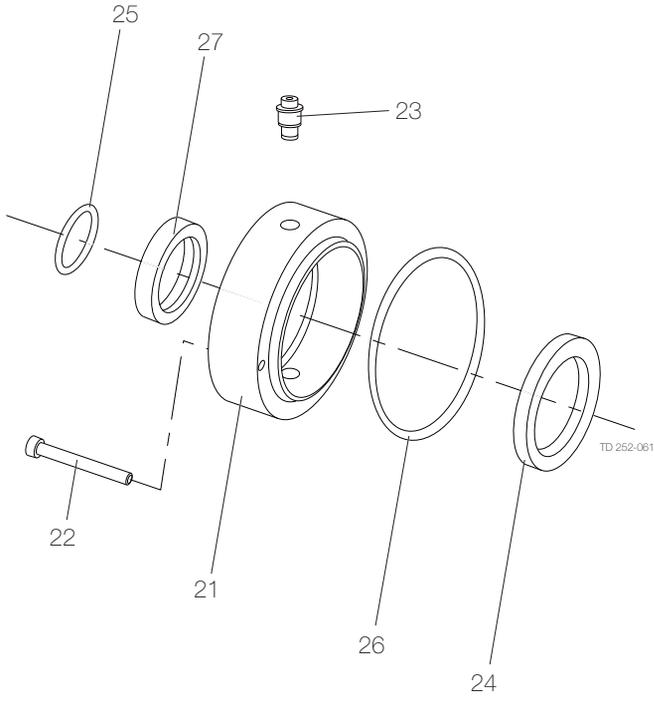
LKHPF -70

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	1	Sleeve	9612362902	9612362903

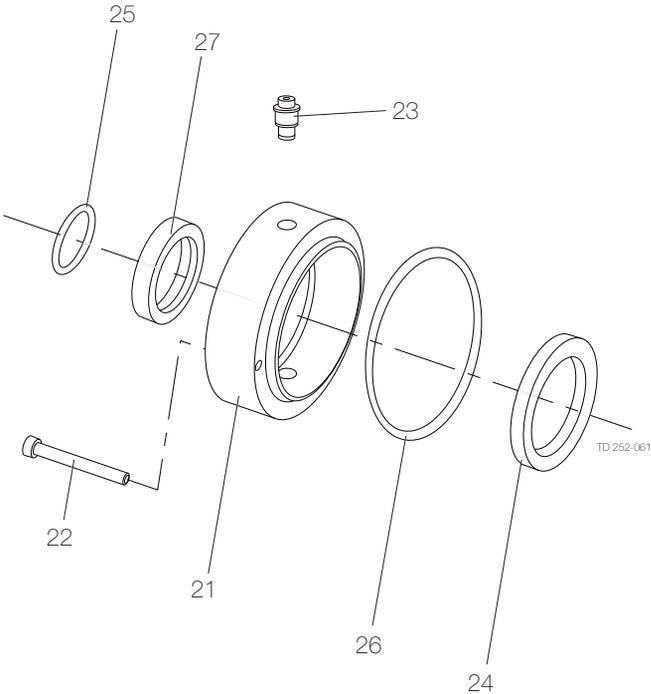
Pos	Qty	Denomination	LKHPF 10-60 EPDM	LKHPF 10-60 NBR	LKHPF 10-60 FPM	LKHPF 70 EPDM	LKHPF 70 NBR	LKHPF 70 FPM
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Single shaft seal

	□♦	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+27

(900599/11)

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 (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	9612362902	9612362903

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

□		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

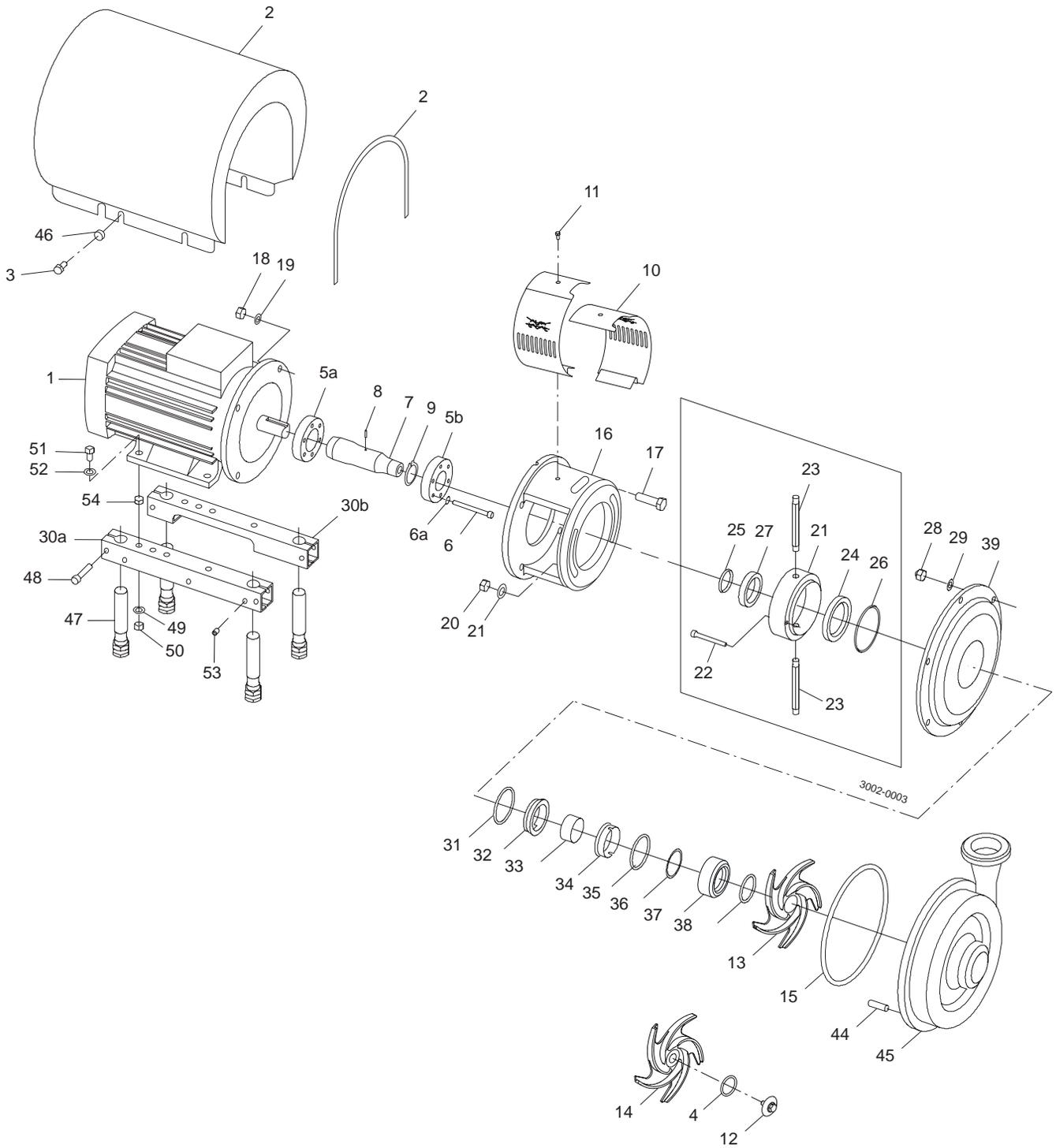
♦		Service kit, SiC/SiC, LKHPF -10	9611922148	9611922149	9611922150
♦		Service kit, SiC/SiC, LKHPF -20	9611922160	9611922161	9611922162
♦		Service kit, SiC/SiC, LKHPF -25/35/45	9611922203	9611922204	9611922205
♦		Service kit, SiC/SiC, LKHPF -40/50/60	9611922172	9611922173	9611922174
♦		Service kit, SiC/SiC, 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+27

(900600/11)

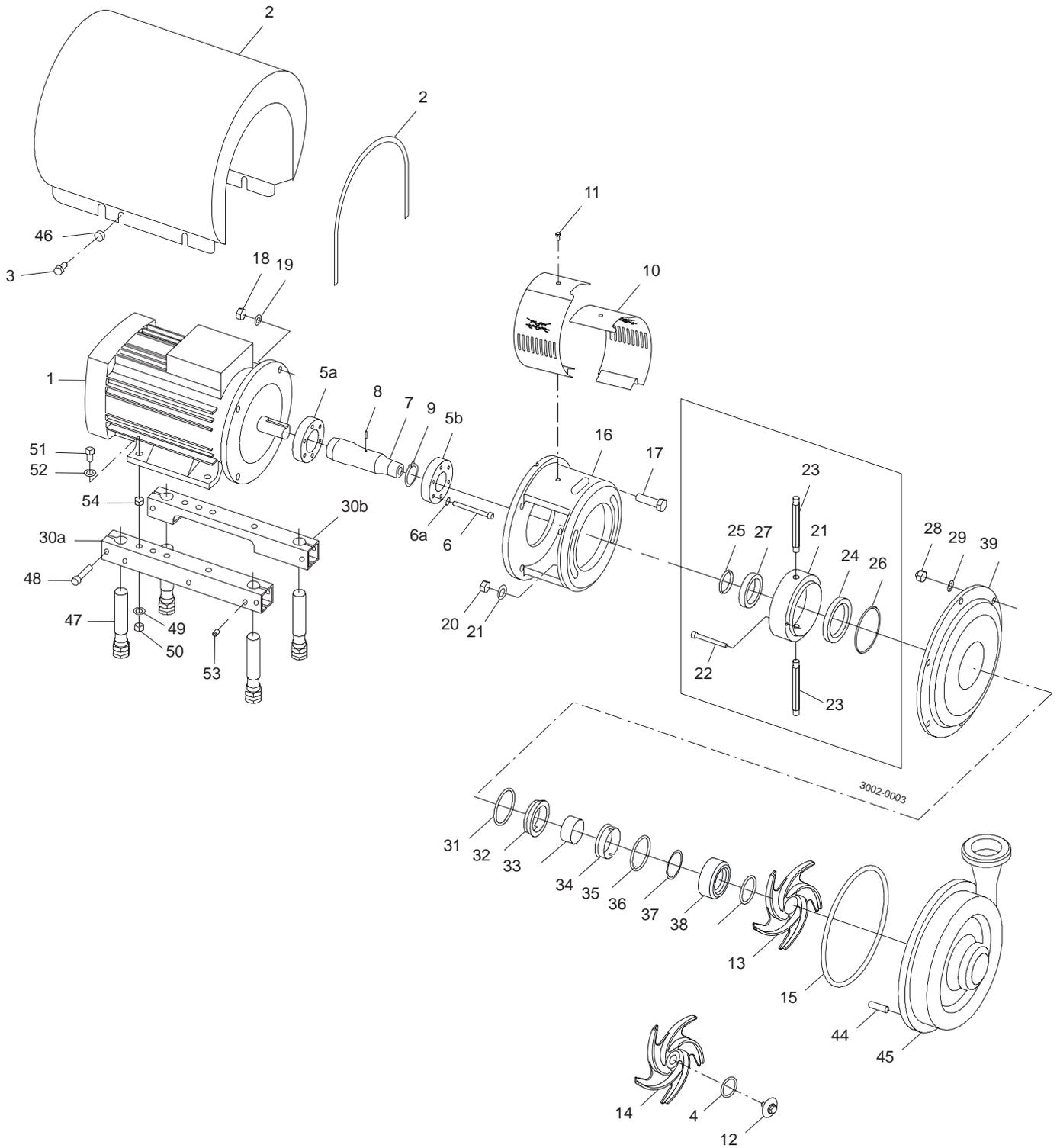


Pos	Qty	Denomination	LKHI-15		LKHI-25	
			LKHI-10 IEC90-IEC112	IEC100- IEC132	LKHI-20 IEC90-IEC132	IEC112- IEC160
Pump casing std. blasted						
45	1	Pump casing, IDF	9612139801	9612492401	9612139806	9612492406
	1	Pump casing, SMS	9612139802	9612492402	9612139807	9612492407
	1	Pump casing, DIN/ISO	9612139803	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
Pump casing std. blasted							
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

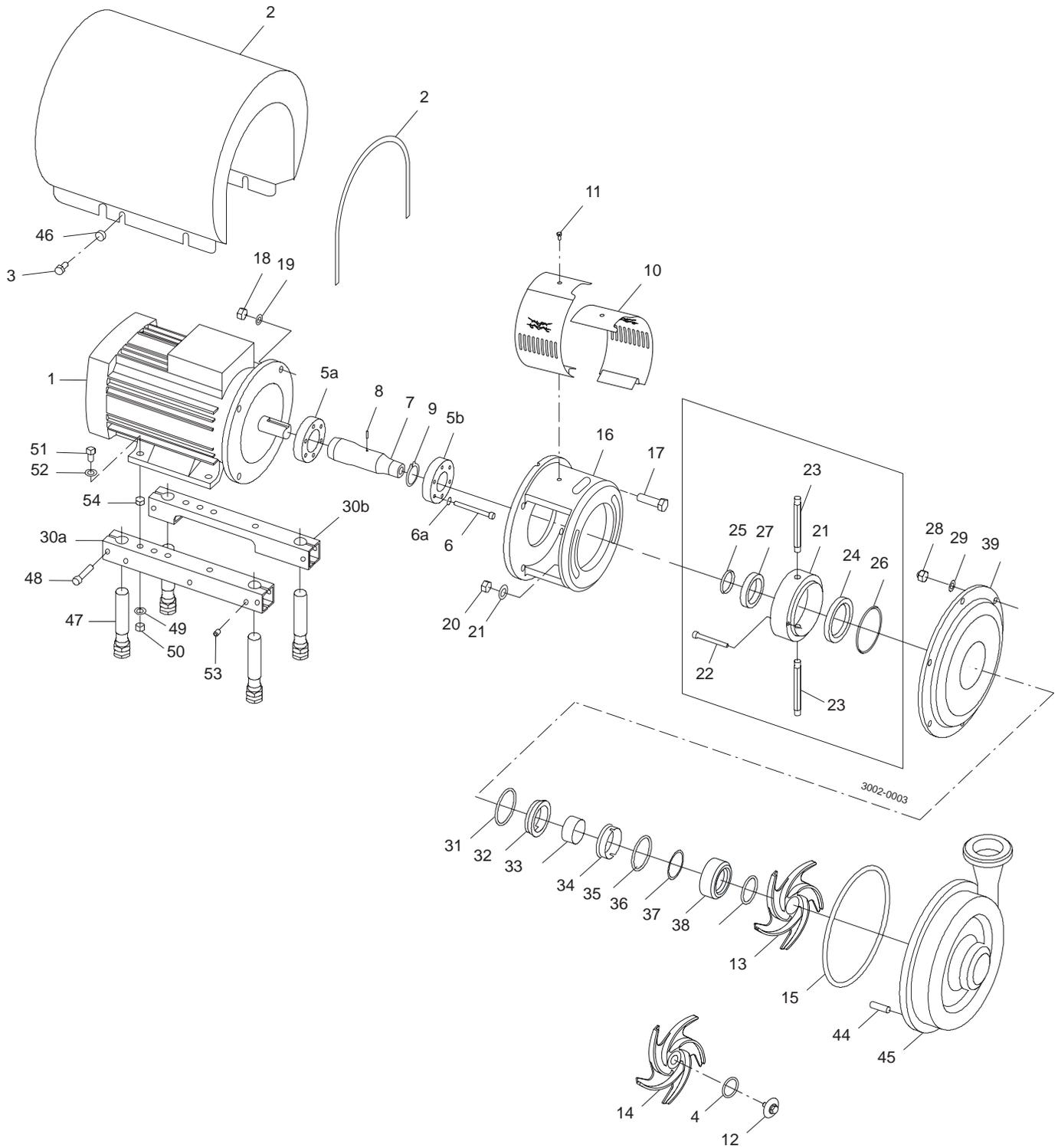
Pos	Qty	Denomination	LKHI-15		LKHI-25	
			LKHI-10 IEC90-IEC112	IEC100- IEC132	LKHI-20 IEC90-IEC132	IEC112- IEC160
Pump casing Mech Ra 0.8						
45	1	Pump casing, IDF	9612457201	9612492501	9612457206	9612492506
	1	Pump casing, SMS	9612457202	9612492502	9612457207	9612492507
	1	Pump casing, DIN/ISO		9612492503	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
Pump casing Mech Ra 0.8							
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



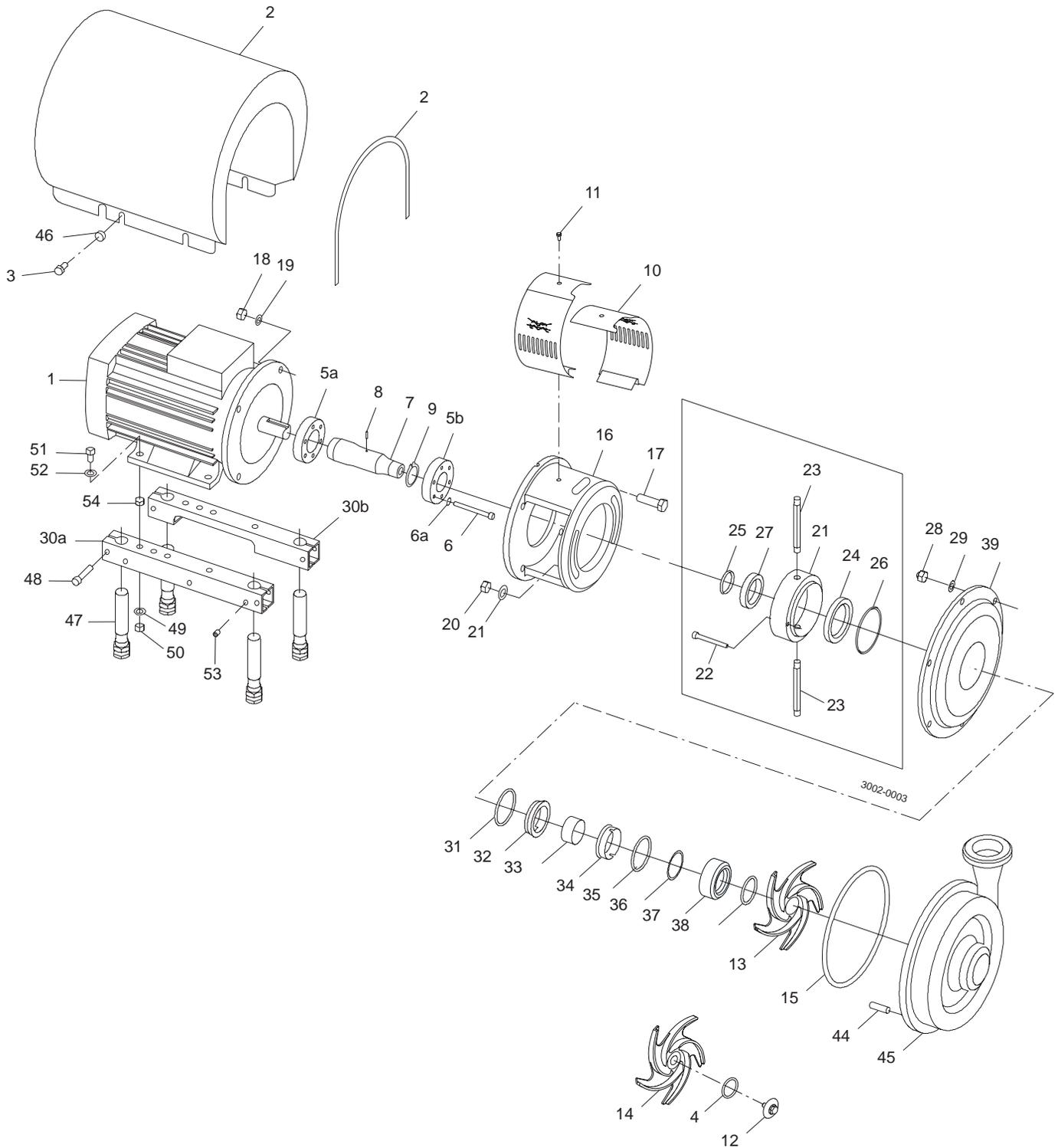
Pos	Qty	Denomination	LKHI-15		LKHI-25	
			LKHI-10 IEC90-IEC112	IEC100- IEC132	LKHI-20 IEC90-IEC132	IEC112- IEC160
28	6	Cap nut	9611992592	9611992592	9611992592	9611992593
29	6	Washer	9611991888	9611991888	9611991888	9611991887
44	6	Bolt	9611992168	9611992168	9611992168	9611992169
15	1	O-ring, EPDM	9611992137	9611992137	9611992141	9611992983
	1	O-ring, NBR	9611992139	9611992139	9611992143	9611992984
	1	O-ring, FPM	9611992138	9611992138	9611992142	9611992985
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
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
13	1	Impeller, std. blasted	9612510401	9612408401	9612510501	9612408501	9612408601
	1	Impeller, Mech Ra ≤ 0.8	9612510405	9612408405	9612510505	9612408505	9612408605
14	1	Impeller for impeller screw, std. blasted	9612510402	9612408402	9612510502	9612408502	9612408602
	1	Impeller for impeller screw, Mech Ra ≤ 0.8	9612510406	9612408406	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
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
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	9611990587
49	4	Spring washer	9611990676	9611990676	9611990676
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
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0-10 bar

1	1	Motor ABB, 3000rpm	9614303003	9614303004	9614303005	9614303006	9614303007	9614303008
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Pos	Qty	Denomination	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180	30 kW IEC200
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0-10 bar

1	1	Motor ABB, 3000rpm	9614303009	9614303010	9614303011	9614303028	9614303013
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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	7.5 kW IEC132
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10-16 bar (Motors are with special ball bearing)

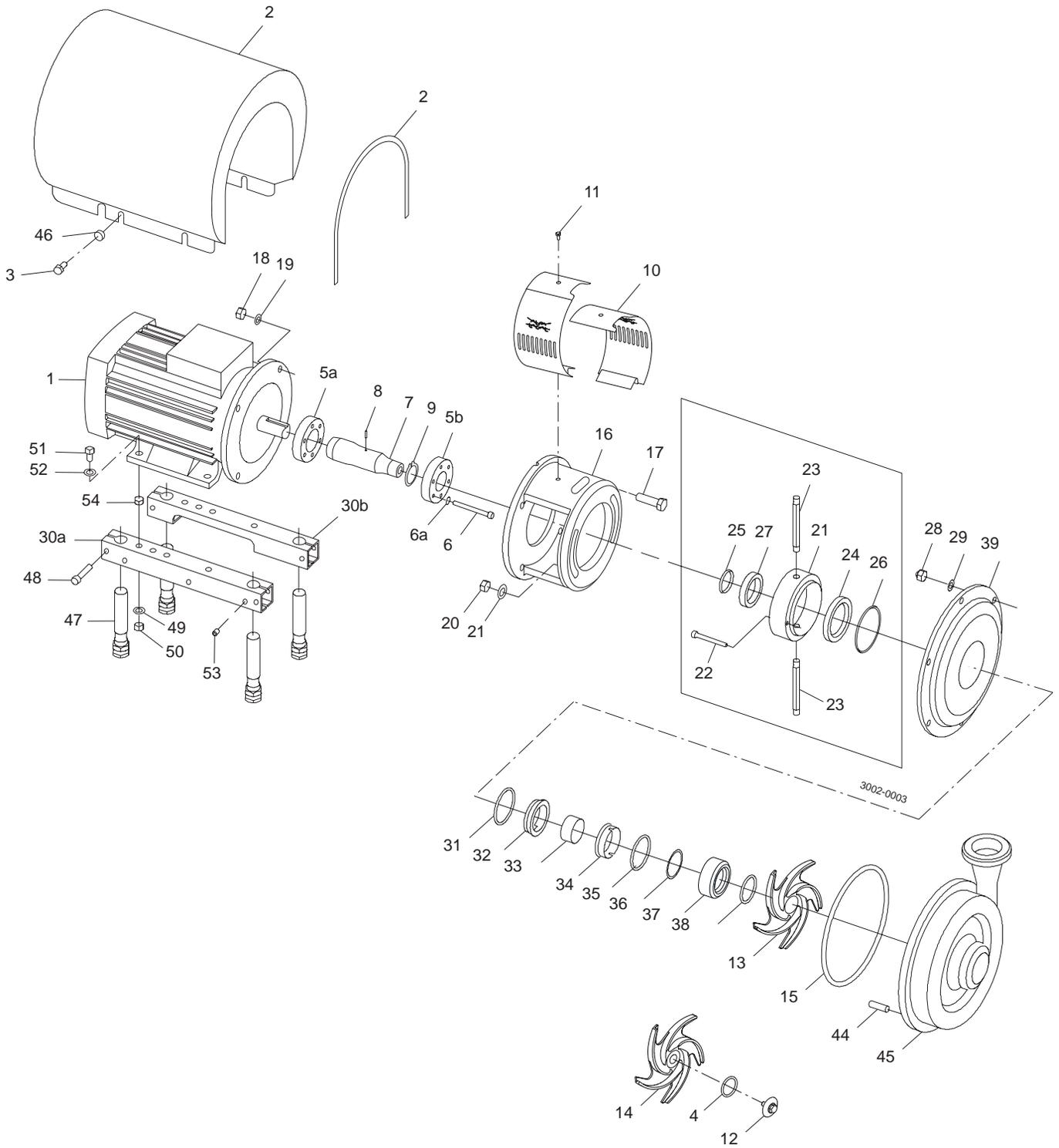
1	1	Motor ABB, 3000rpm		9614289501		9614289502	9614289503	9614289504
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Pos	Qty	Denomination	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180	30 kW IEC200
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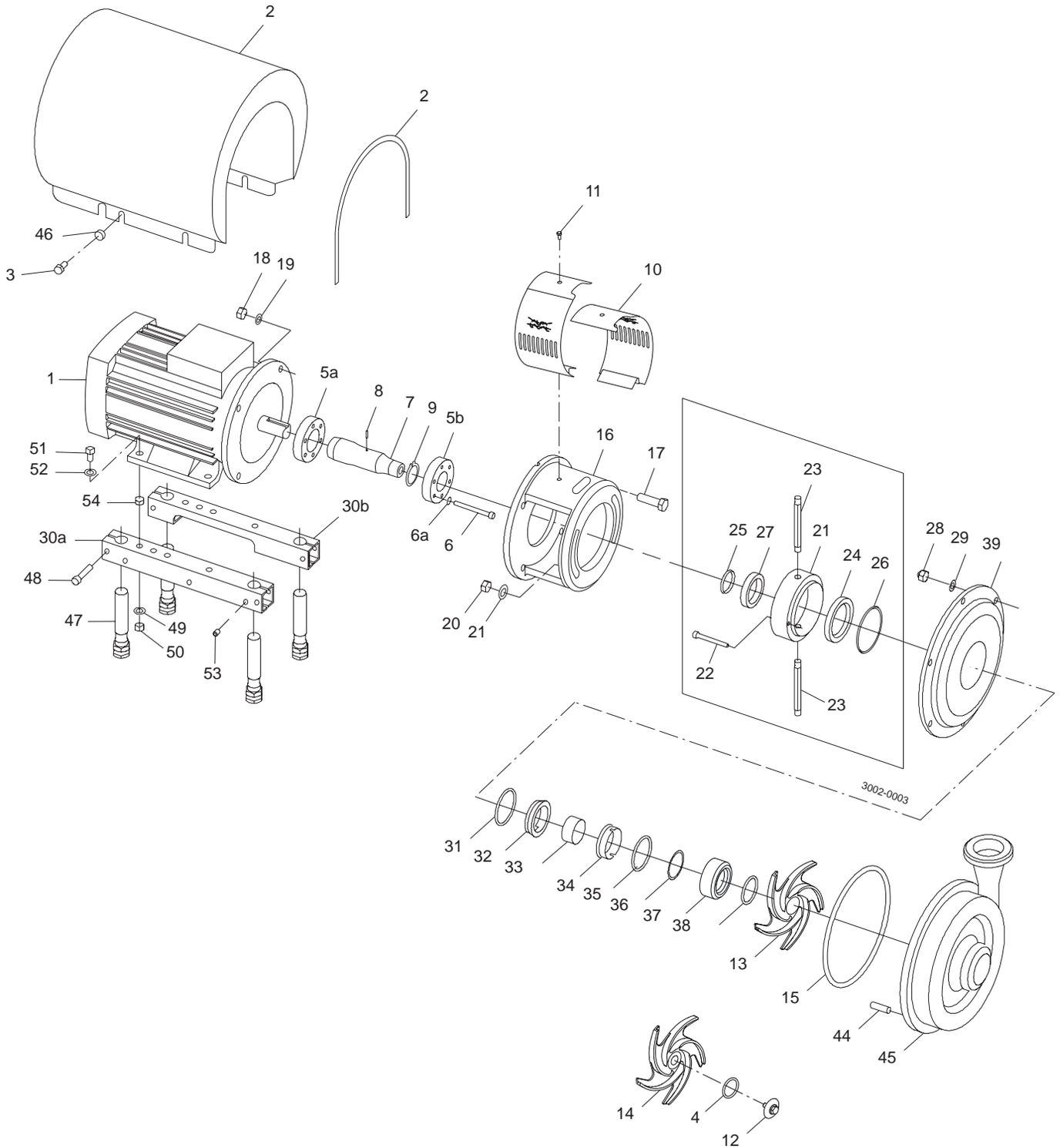
10-16 bar (Motors are with special ball bearing)

1	1	Motor ABB, 3000rpm	9614289505	9614289506	9614289507	9614289508	9614289510
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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



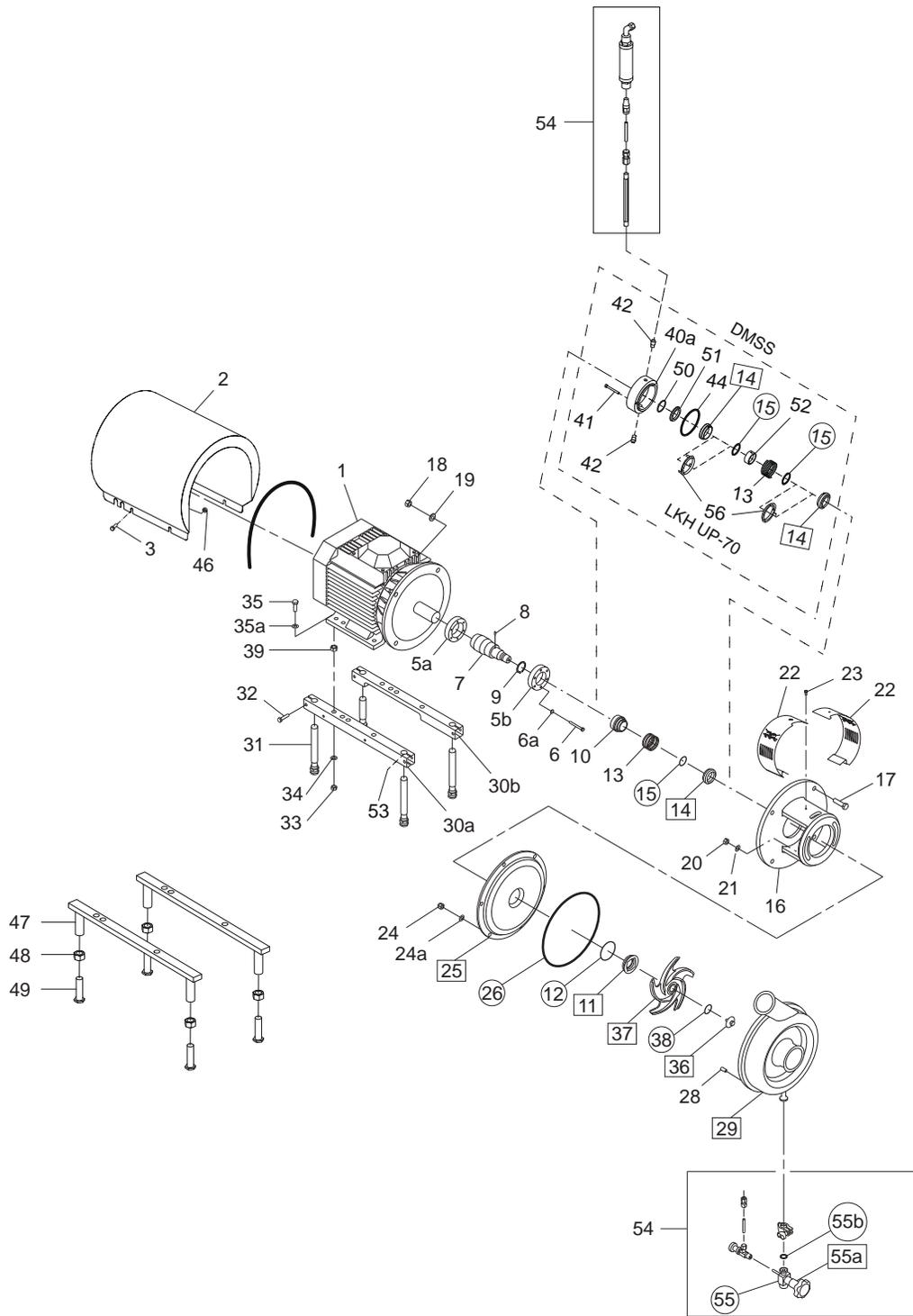
Pos	Qty	Denomination	LKHI 10/15/20	LKHI 25/35/40/45/50/60	
Parts for flushed shaft seal					
21	1	Seal housing	9612362601	9612362602	
22	2	Screw	9611990203	9611994038	
23	2	Tube	9612358901	9612358907	
27	1	Sleeve	9612362902	9612362902	
33	1	Spacing ring	9612362502	9612362502	
37	1	Rotating seal housing	9612362401	9612362401	
Pos	Qty	Denomination	EPDM	NBR	FPM
Shaft seal complete					
□○		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			
Shaft seal complete					
◆●		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			
Shaft seal complete					
◆■		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			
Shaft seal complete					
◆○		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
Service kit for single shaft seal C/SIC (0-10 bar)				
□	Service kit, C/SIC (LKH-10/15)	9611922254	9611922255	9611922256
□	Service kit, C/SIC (LKH-20)	9611922266	9611922267	9611922268
□	Service kit, C/SIC (LKH-25/35/45)	9611922278	9611922279	9611922280
□	Service kit, C/SIC (LKH-40/50/60)	9611922290	9611922291	9611922292
Service kit for single shaft seal SIC/SIC (0-16 bar)				
✧	Service kit, SIC/SIC (LKH-10/15)	9611922139	9611922140	9611922141
✧	Service kit, SIC/SIC (LKH-20)	9611922151	9611922152	9611922153
✧	Service kit, SIC/SIC (LKH-25/35/45)	9611922194	9611922195	9611922196
✧	Service kit, SIC/SIC (LKH-40/50/60)	9611922163	9611922164	9611922165
Service kit for single shaft seal and impeller screw C/SIC (0-10 bar)				
○	Service kit, C/SIC (LKH-10/15)	9611922257	9611922258	9611922259
○	Service kit, C/SIC (LKH-20)	9611922269	9611922270	9611922271
○	Service kit, C/SIC (LKH-25/35/45)	9611922281	9611922282	9611922283
○	Service kit, C/SIC (LKH-40/50/60)	9611922293	9611922294	9611922295
Service kit for single shaft seal and impeller screw SIC/SIC (0-16 bar)				
●	Service kit, SIC/SIC (LKH-10/15)	9611922142	9611922143	9611922144
●	Service kit, SIC/SIC (LKH-20)	9611922154	9611922155	9611922156
●	Service kit, SIC/SIC (LKH-25/35/45)	9611922197	9611922198	9611922199
●	Service kit, SIC/SIC (LKH-40/50/60)	9611922166	9611922167	9611922168
Service kit for flushed shaft seal C/SIC (0-10 bar)				
◆	Service kit, C/SIC (LKH-10/15)	9611922260	9611922261	9611922262
◆	Service kit, C/SIC (LKH-20)	9611922272	9611922273	9611922274
◆	Service kit, C/SIC (LKH-25/35/45)	9611922284	9611922285	9611922286
◆	Service kit, C/SIC (LKH-40/50/60)	9611922296	9611922297	9611922298
Service kit for flushed shaft seal SIC/SIC (0-16 bar)				
◇	Service kit, SIC/SIC (LKH-10/15)	9611922145	9611922146	9611922147
◇	Service kit, SIC/SIC (LKH-20)	9611922157	9611922158	9611922159
◇	Service kit, SIC/SIC (LKH-25/35/45)	9611922200	9611922201	9611922202
◇	Service kit, SIC/SIC (LKH-40/50/60)	9611922169	9611922170	9611922171
Service kit for flushed shaft seal and impeller screw C/SIC (0-10 bar)				
■	Service kit, C/SIC (LKH-10/15)	9611922263	9611922264	9611922265
■	Service kit, C/SIC (LKH-20)	9611922275	9611922276	9611922277
■	Service kit, C/SIC (LKH-25/35/45)	9611922287	9611922288	9611922289
■	Service kit, C/SIC (LKH-40/50/60)	9611922299	9611922300	9611922301
Service kit for flushed shaft seal and impeller screw SIC/SIC (0-16 bar)				
◎	Service kit, SIC/SIC (LKH-10/15)	9611922148	9611922149	9611922150
◎	Service kit, SIC/SIC (LKH-20)	9611922160	9611922161	9611922162
◎	Service kit, SIC/SIC (LKH-25/35/45)	9611922203	9611922204	9611922205
◎	Service kit, SIC/SIC (LKH-40/50/60)	9611922172	9611922173	9611922174

Parts marked with □◆◇◇◆■●◎ are included in the service kits. Recommended spare parts: Service kits, (900601/10)

Conversion kit single to flushed shaft seal : Please order Flushed service kit + pos. 21 + 22 + 23 + 27



3007-0088



Product wetted steel parts

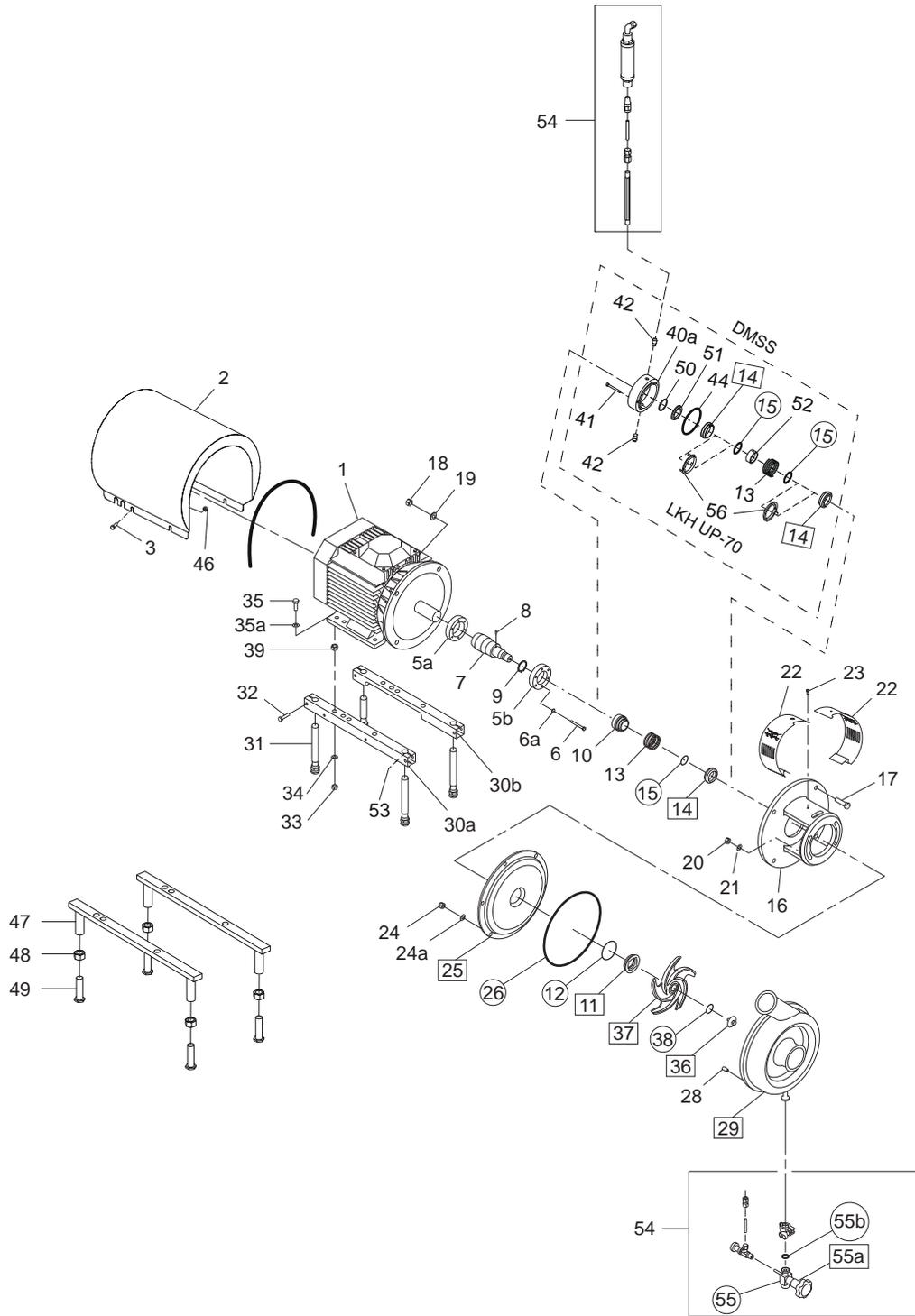


Product wetted elastomer parts

Pos	Qty	Denomination	LKHUP-10 IEC90- IEC112	LKHUP-20 IEC100- IEC132	LKHUP-25 IEC132- IEC160	LKHUP-35 IEC112- IEC160
Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9612630532	9612630534	9612630536	9612630538
Casing Mech Ra ≤ 0.5, 45deg outlet, 1/2" drain						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9612630501	9612630504	9612630507	9612630510
Casing EP Ra ≤ 0.4, 45deg outlet, 1/2" drain						
	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
Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9612630540	9615375301	9615375302	9615375303
Casing Mech Ra ≤ 0.5, 45deg outlet, 1/2" drain						
	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9612630513	9615375304	9615375305	9615375306
Casing EP Ra ≤ 0.4, 45deg outlet, 1/2" drain						
	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

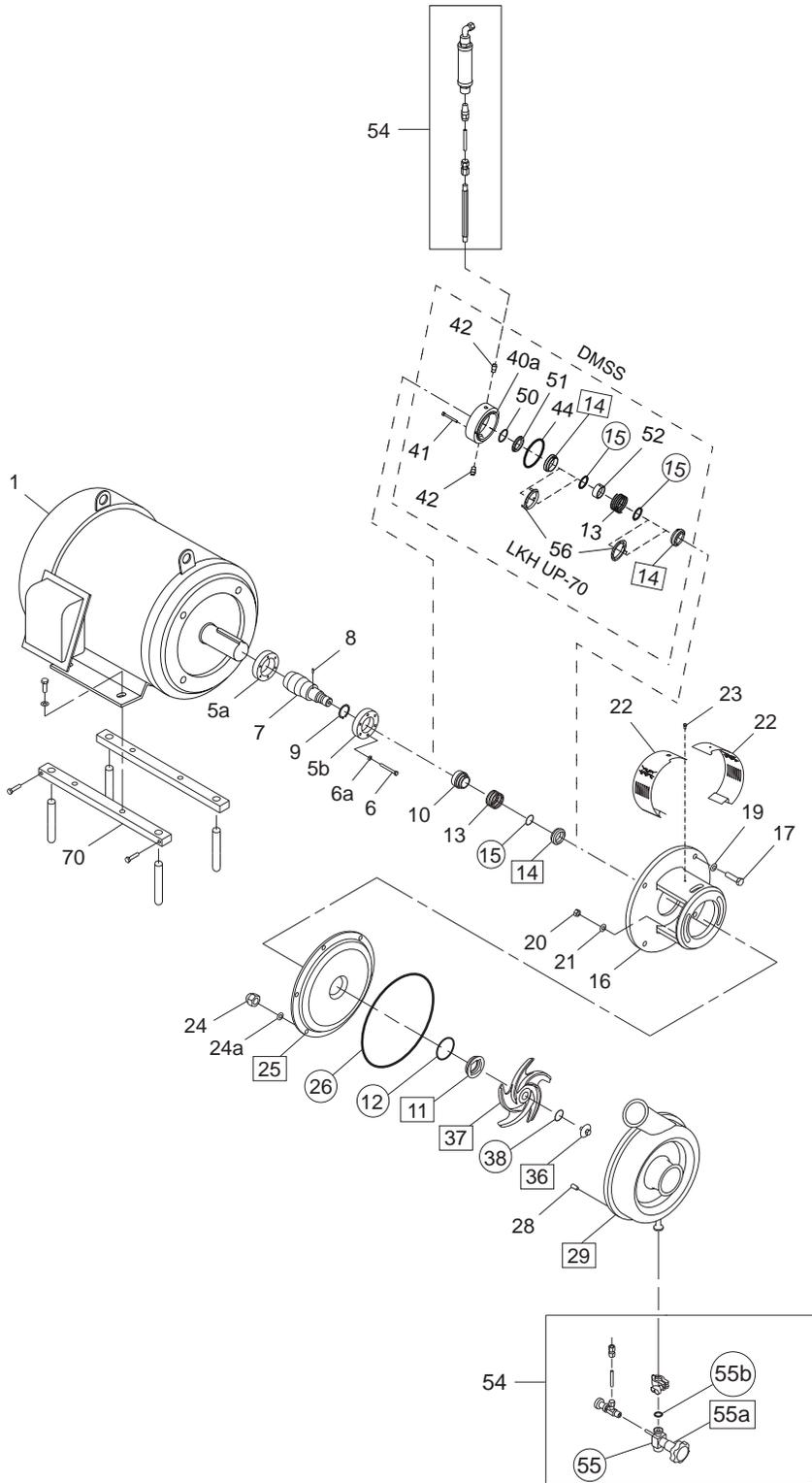


3007-0088

- 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				



3007-0116

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

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

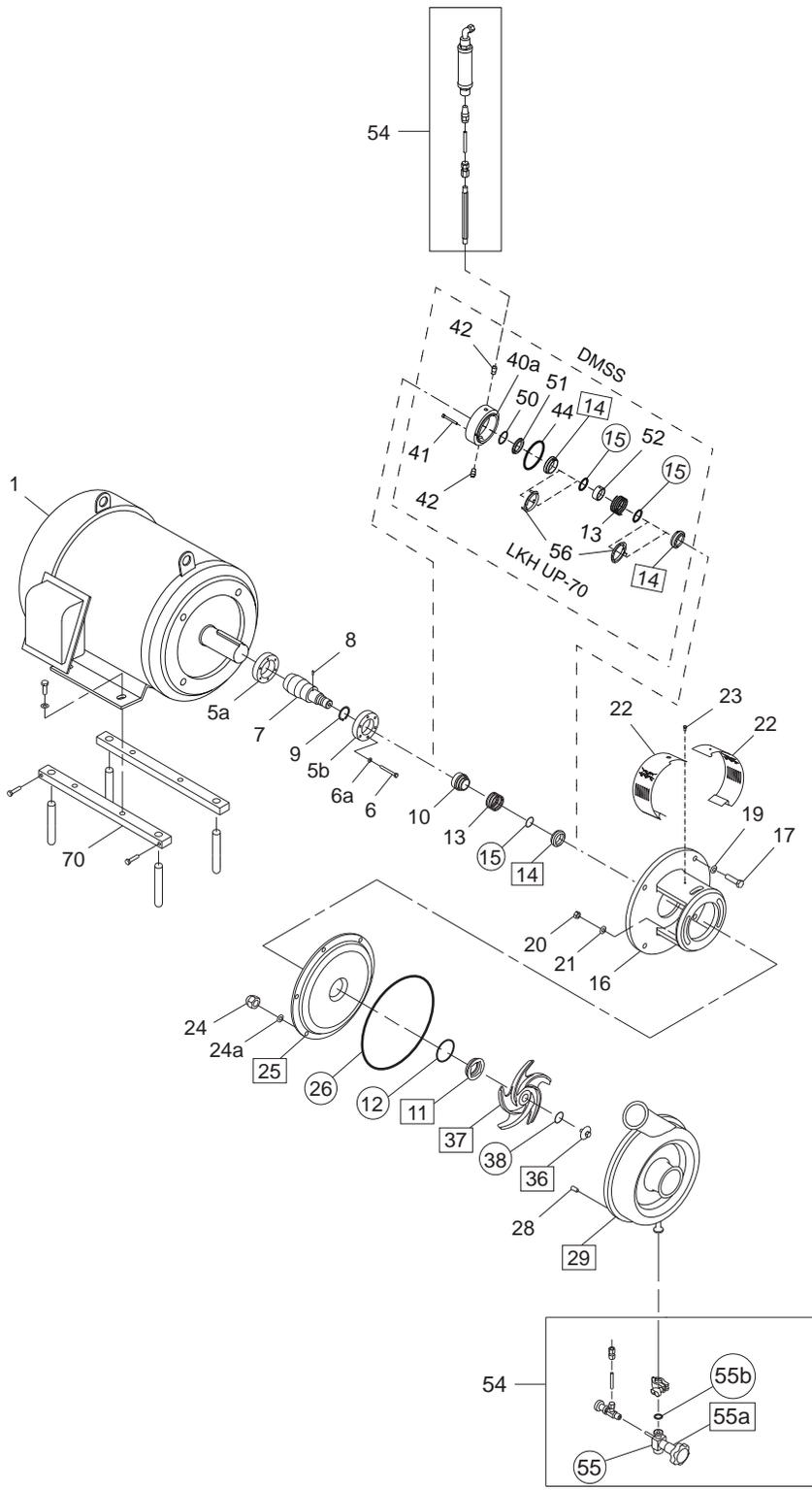
Pos	Qty	Denomination	LKHUP-40 1-60HP	LKHUP-45 1-60HP	LKHUP-60 1-60HP	LKHUP-70 10-100HP
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Casing Mech Ra ≤ 20, 45deg, 1/2" TriClamp drain						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9612630513	9615375304	9615375305	9615375306

Casing EP Ra ≤ 15, 45deg, 1/2" TriClamp drain						
	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

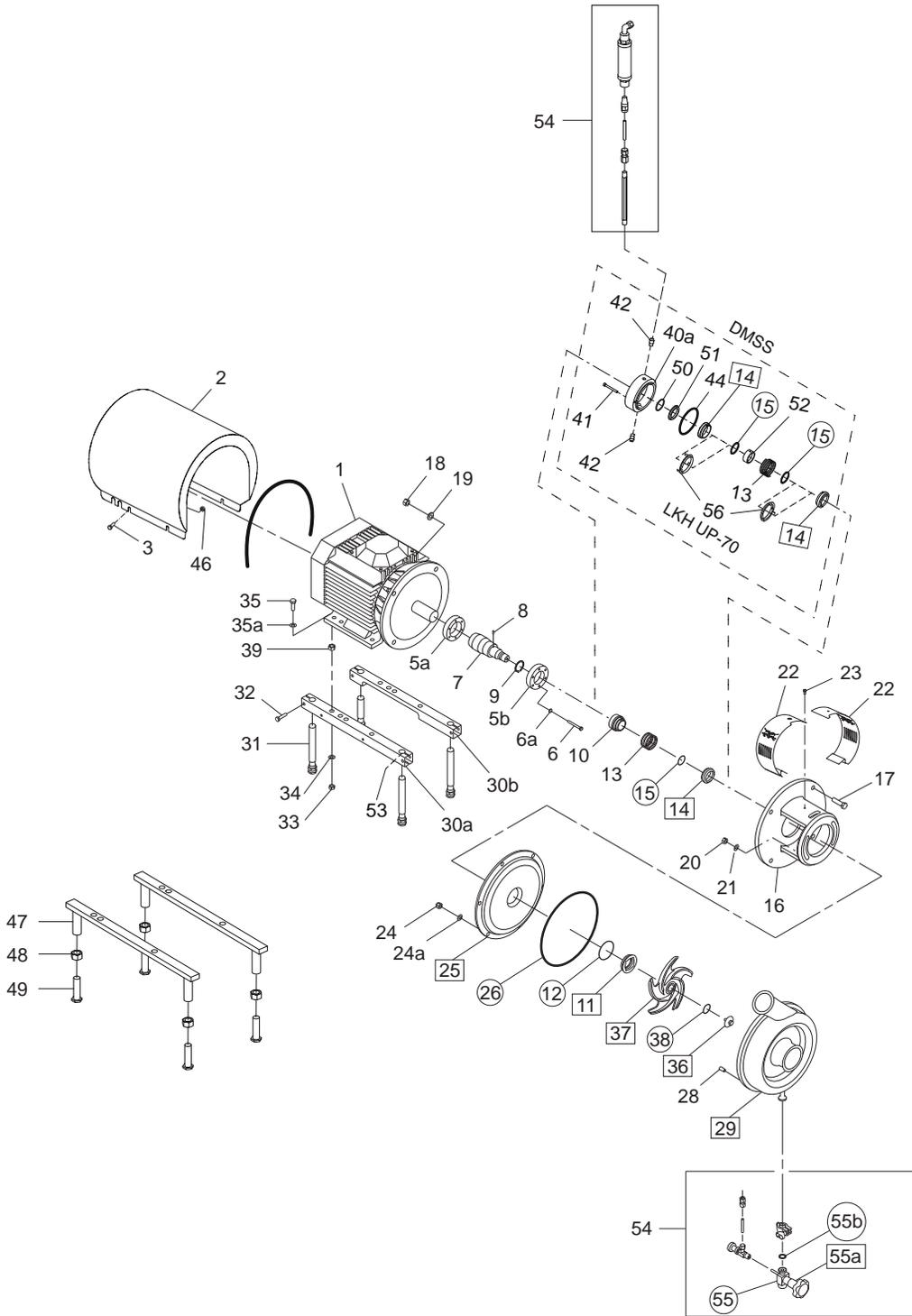


○ Product wetted part
 □ Product wetted steel part

3007-0116

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				

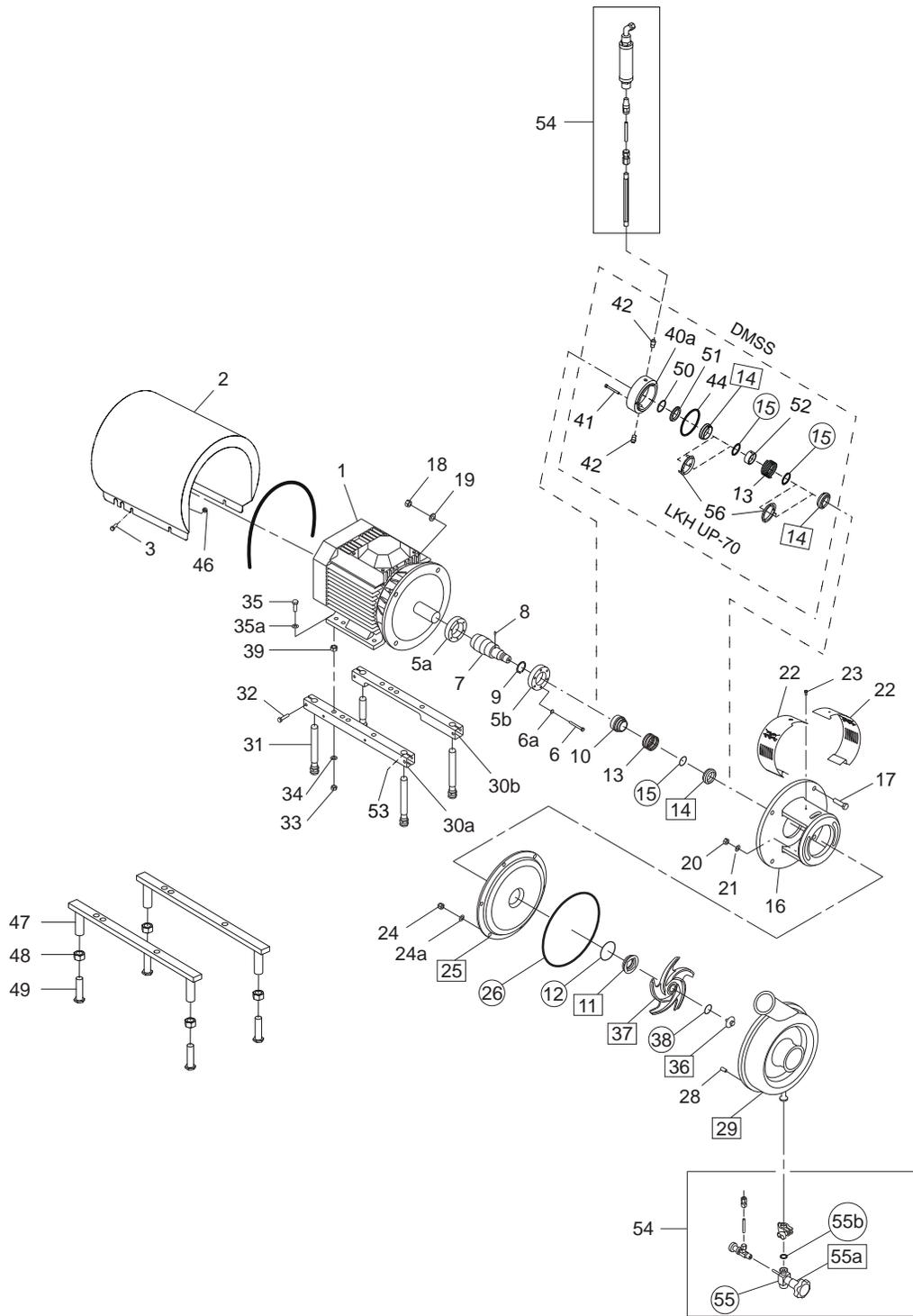


3007-0088

- Product wetted steel parts
- Product wetted elastomer parts

Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132
LKHUP-10/20/25/35/40/45/60						
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		
Shroud						
2	1	Shroud	9612139001	9612139003	9612139003	9612139008
3	4	Screw	9611993240	9611993240	9611993240	9611993240
46	4	Distance sleeve		9611992737		9611992737
Accessories						
	1	Tool complete	9612903601	9612903601	9612903601	9612903601

Pos	Qty	Denomination	IEC160	IEC180	IEC200
LKHUP-10/20/25/35/40/45/60					
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	9611990587
34	4	Spring washer	9611990676	9611990676	9611990676
35	4	Screw	9611991834	9611991834	9611993680
35a	4	Washer	9611990706	9611990706	9611990703
Shroud					
2	1	Shroud	9612139005	9612139006	9612593801
3	4	Screw	9611993241	9611993241	9611993243
46	4	Distance sleeve	3143803902	3143803901	3143803903
53	4	Pivot screw			9611991763
Accessories					
	1	Tool complete	9612903601	9612903601	9612903701



3007-0088

Pos	Qty Denomination	IEC132				
		1500rpm	IEC160	IEC180	IEC200	IEC250
LKHUP70						
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				
		IEC90	IEC90	IEC100	IEC112	IEC132
1	1 Motor ABB, 3000rpm	9614303003	9614303004	9614303005	9614303006	9614303007

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

Pos	Qty Denomination	30 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
LKHUP-10/20/25/35/40/45/60								
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
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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

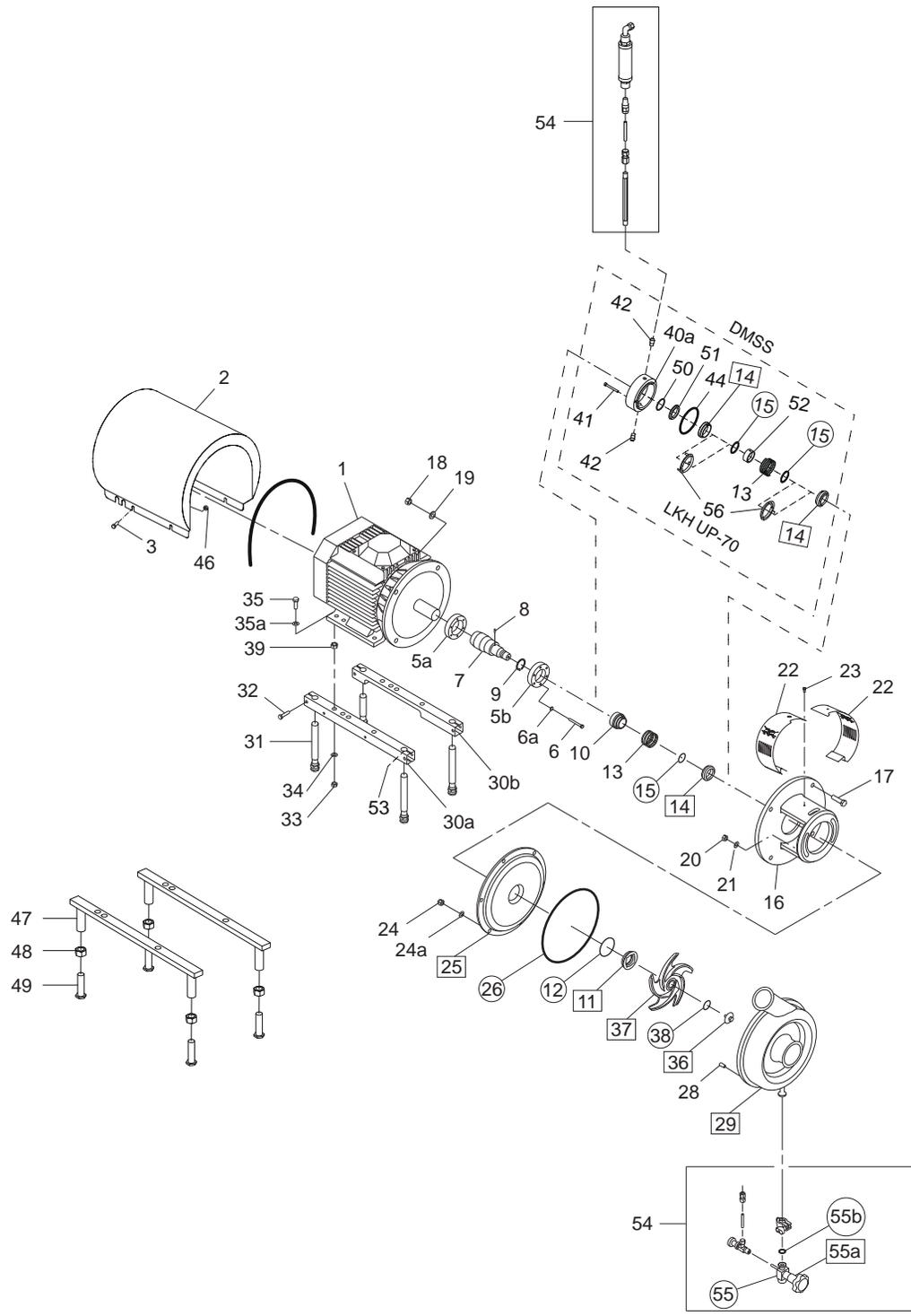
	1	Tool complete	9612903701
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Pos	Qty	Denomination	1Hp	1.5Hp	2hp	3Hp	5Hp	7.5Hp
1	1	Motor 3600rpm	143TC (1800 rpm)	143TC	145TC	182TC	184TC	213TC

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



3007-0088



Product wetted steel parts



Product wetted elastomer parts

Pos	Qty	Denomination	LKHUP25/35/		
			LKHUP10/20	40/45/60	LKHUP70
10	1	Drive ring, Single shaft seal steel	9614206001	9614206001	9612514901
Flushing set					
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
Parts for double mechanical shaft seal					
40a	1	Seal housing	9612133902	9612133902	9612591401
41	2	Screw for seal housing	9611990203	9611990203	9611993766
42	2	Fittings	9611992323	9611992323	9611992323
Single shaft seal SiC/SiC					
11	<input type="checkbox"/>	1 Stationary seal ring, SiC			
12	<input type="checkbox"/>	1 O-ring			
13	<input type="checkbox"/>	1 Spring			
14	<input type="checkbox"/>	1 Rotating seal ring, SiC			
15	<input type="checkbox"/>	1 O-ring			
Double mechanical shaft seal SiC/SiC					
11	<input checked="" type="checkbox"/>	1 Stationary seal ring, SiC			
12	<input checked="" type="checkbox"/>	1 O-ring			
13	<input checked="" type="checkbox"/>	1 Spring			
14	<input checked="" type="checkbox"/>	2 Rotating seal ring, SiC			
15	<input checked="" type="checkbox"/>	2 O-ring			
44	<input checked="" type="checkbox"/>	1 O-ring for seal housing			
50	<input checked="" type="checkbox"/>	1 O-ring			
51	<input checked="" type="checkbox"/>	1 Sec. stationary seal ring			
52	<input checked="" type="checkbox"/>	1 Drive ring			
56	<input checked="" type="checkbox"/>	2 Cup			

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

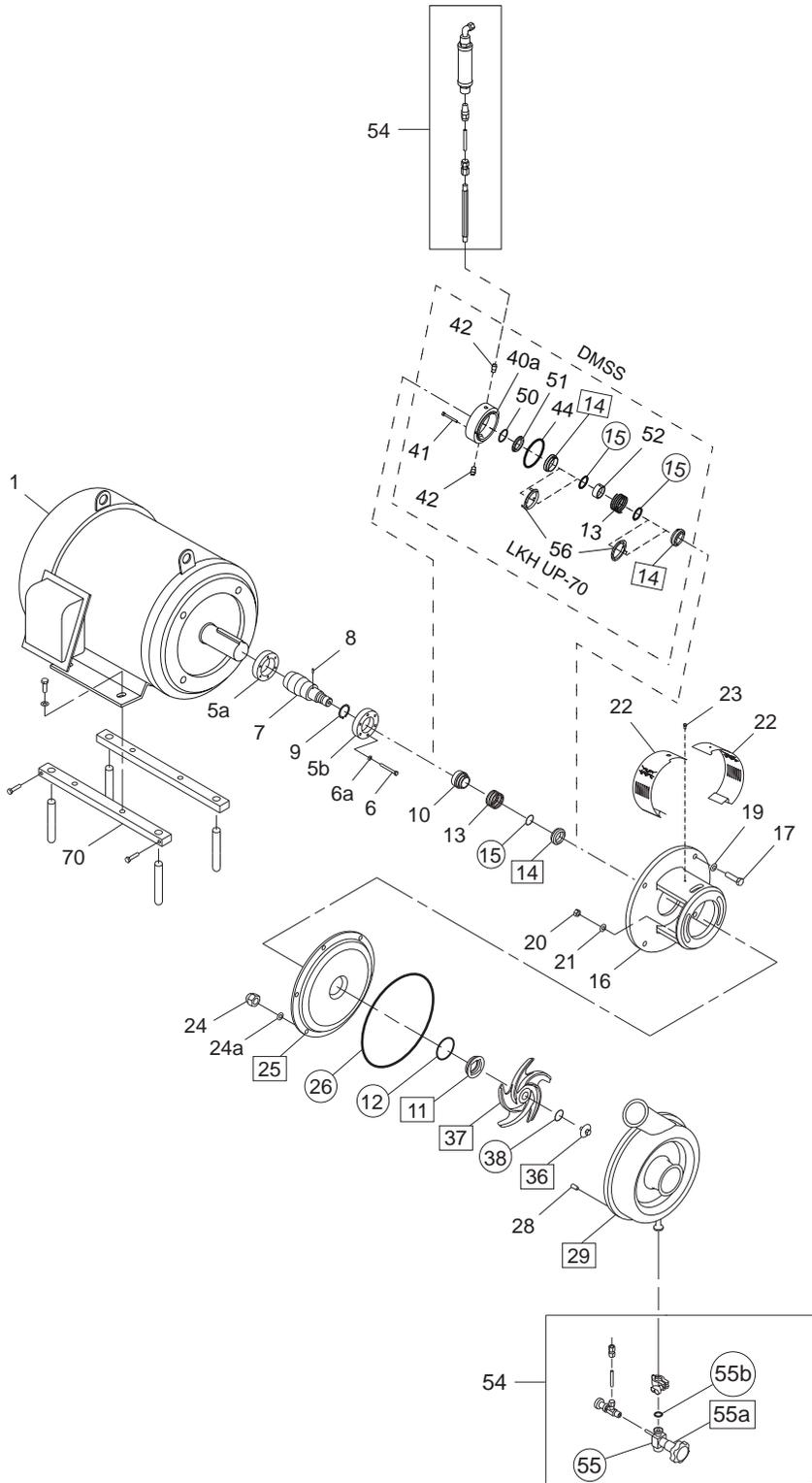
Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity.

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)



3007-0116

- 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
Flushing set				
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
Parts for double mechanical shaft seal				
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)

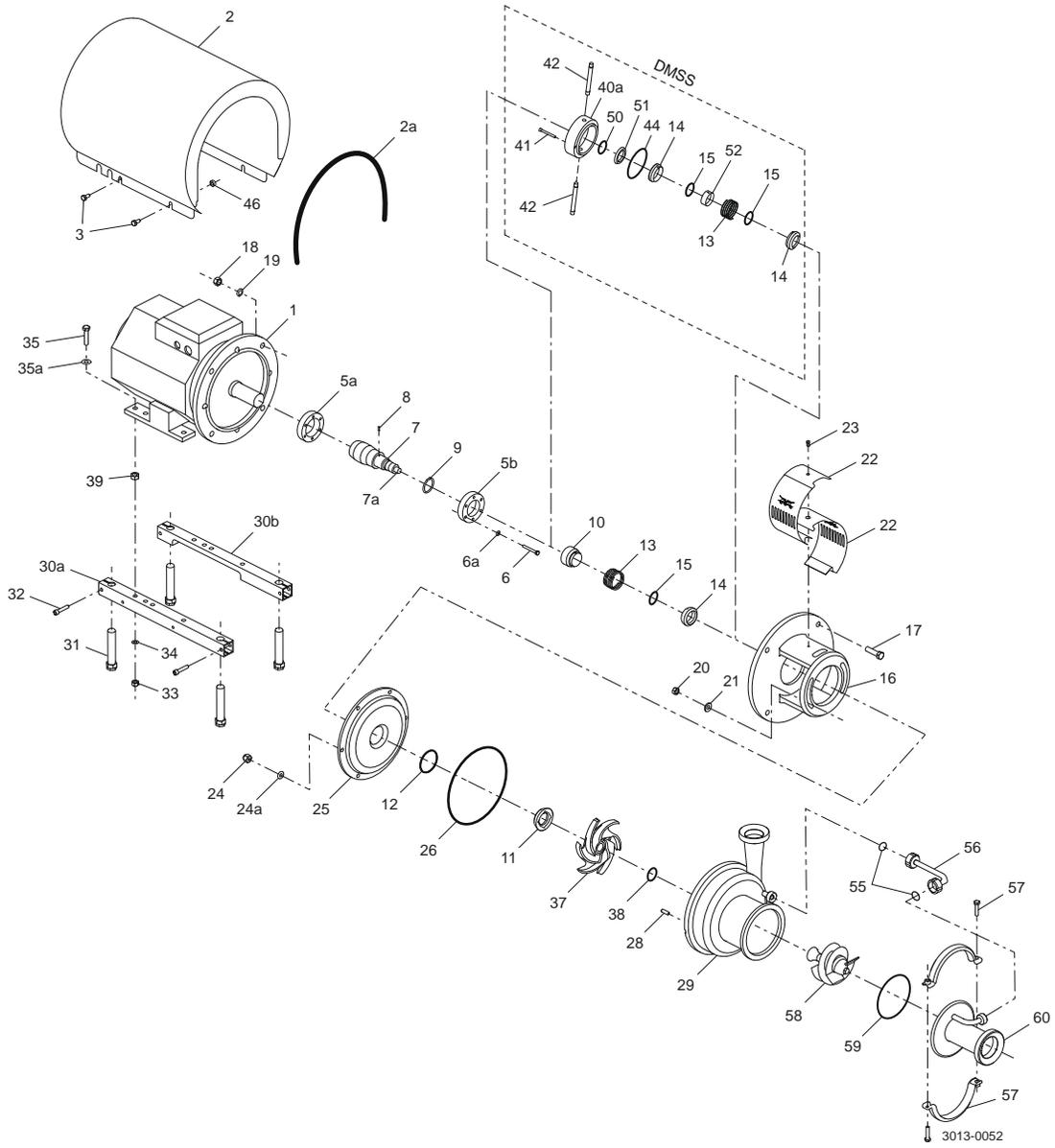
Service kit LKHUP-10	9611922345	9611922344	9611922346
Service kit LKHUP-20	9611922363	9611922362	9611922364
Service kit LKHUP-25/35/45	9611922381	9611922380	9611922382
Service kit LKHUP-40/60	9611922399	9611922398	9611922400
Service kit LKHUP-70	9611920552	9611920553	9611920554

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

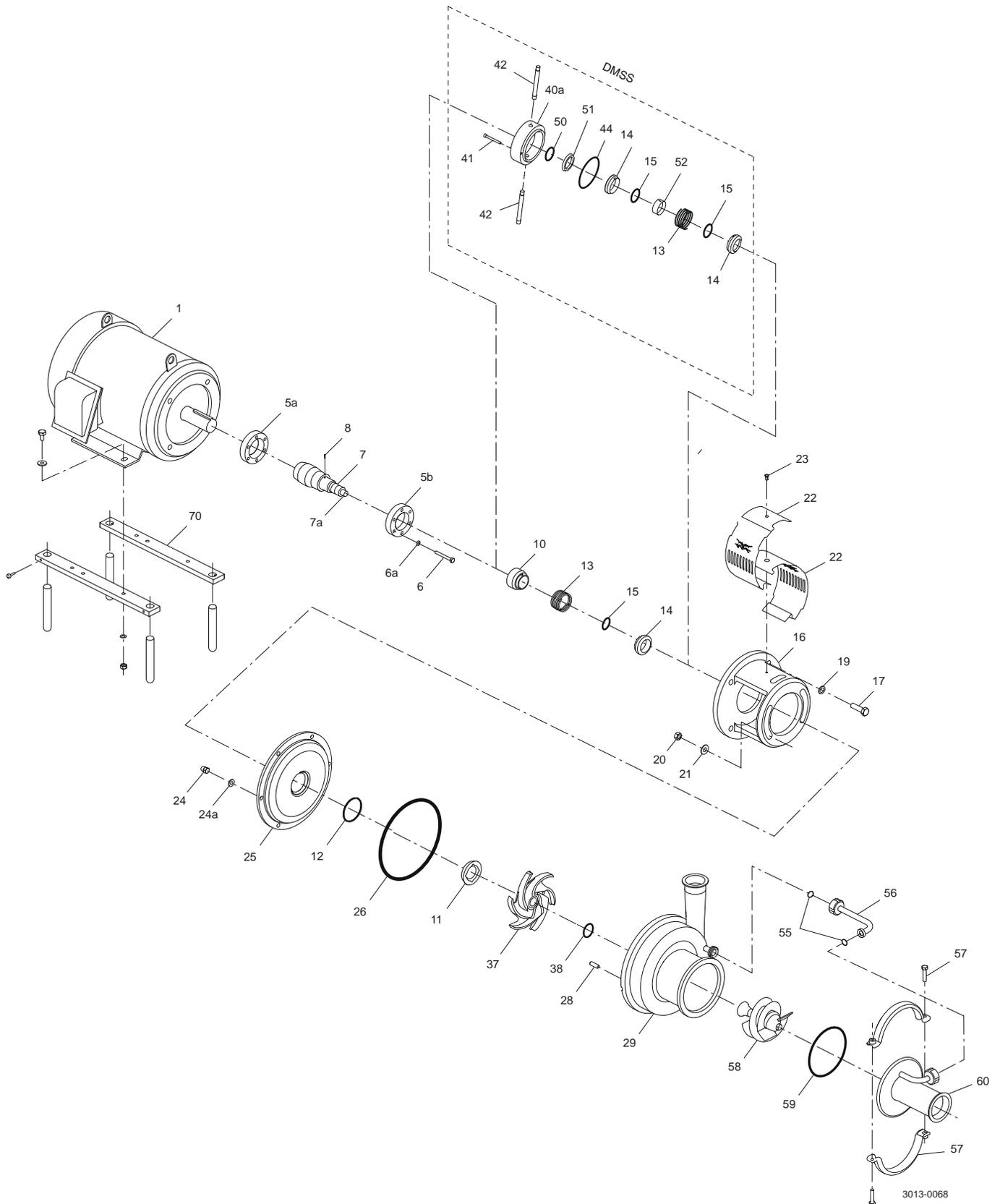
Parts marked with □● are included in the service kits.

Recommended spare parts: Service kits.

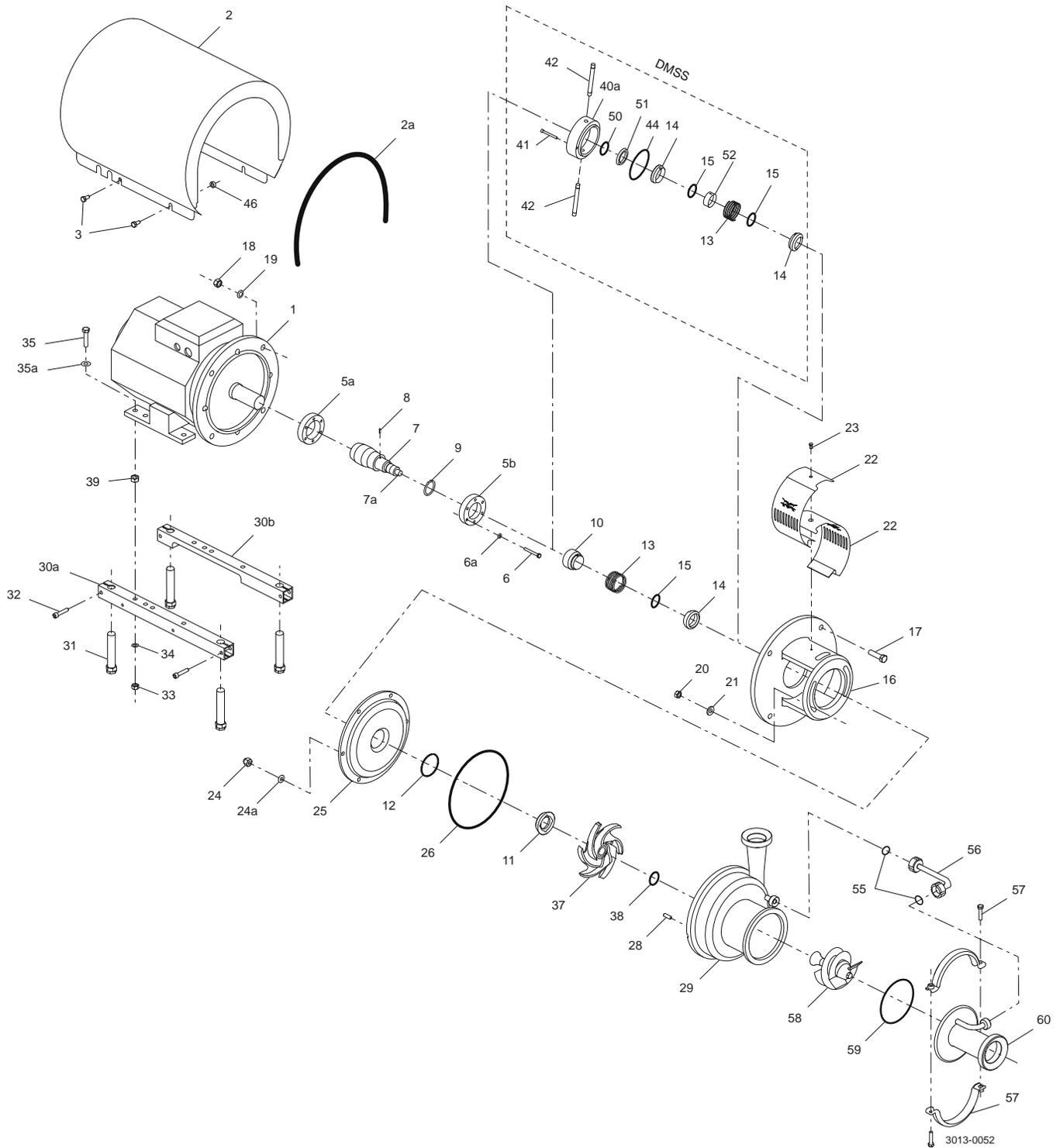
Conversion kit single to double mechanical shaft seal : Please order Double mechanical service kit + pos. 40a + 41 + 42



Pos	Qty	Denomination	LKH Prime 20 IEC90- IEC160	LKH Prime 40 IEC132- IEC200
Pump casing standard blasted				
29		Pump casing, IDF	9615261108	9615261115
		Pump casing, SMS	9615261109	9615261116
		Pump casing, DIN/ISO	9615261110	9615261117
		Pump casing, ISO	9615261111	9615261118
		Pump casing, BS	9615261112	9615261119
		Pump casing, DS	9615261113	9615261120
		Pump casing, DIN/DIN	9615261114	9615261121
Pump casing Mech Ra ≤ 0.8				
		Pump casing, IDF	9615261208	9615261215
		Pump casing, SMS	9615261209	9615261216
		Pump casing, DIN/ISO	9615261210	9615261217
		Pump casing, ISO	9615261211	9615261218
		Pump casing, BS	9615261212	9615261219
		Pump casing, DS	9615261213	9615261220
		Pump casing, DIN/DIN	9615261214	9615261221
Front cover standard blasted				
60		Front cover, IDF	9615261308	9615261315
		Front cover, SMS	9615261309	9615261316
		Front cover, DIN/ISO	9615261310	9615261317
		Front cover, ISO	9615261311	9615261318
		Front cover, BS	9615261312	9615261319
		Front cover, DS	9615261313	9615261320
		Front cover, DIN/DIN	9615261314	9615261321
Front cover Mech Ra ≤ 0.8				
		Front cover, IDF	9615261408	9615261415
		Front cover, SMS	9615261409	9615261416
		Front cover, DIN/ISO	9615261410	9615261417
		Front cover, ISO	9615261411	9615261418
		Front cover, BS	9615261412	9615261419
		Front cover, DS	9615261413	9615261420
		Front cover, DIN/DIN	9615261414	9615261421
59	◆△◆●	1 O-ring, EPDM	9615217301	9615441501
		1 O-ring, NBR	9615217303	9615441503
		1 O-ring, FPM	9615217302	9615441502
56		1 Recirculation pipe, standard blasted	9615202003	9615202003
		1 Recirculation pipe, Mech Ra ≤ 0.8	9615202004	9615202004
55	◆△◆●	2 O-ring, EPDM	9615261501	9615261501
		2 O-ring, NBR	9615261503	9615261503
		2 O-ring, FPM	9615261502	9615261502
57		1 Clamp set	9611311057	9611311058
58		1 Air screw, standard blasted	9615216502	9615216702
		1 Air screw, Mech Ra ≤ 0.8	9615216504	9615216703
24		6 Cap nut	9611992592	9611992593
24a		6 Washer	9611991888	9611991887
28		6 Bolt	9611992168	9611992169
26	◆△◆●	1 O-ring, EPDM	9611992141	9611992171
		1 O-ring, NBR	9611992143	9611992173
		1 O-ring, FPM	9611992142	9611992172
37		1 Impeller, standard blasted	9612131402	9612131802
		1 Impeller, Mech Ra ≤ 0.8	9612131418	9612131816
38	◆△◆●	1 O-ring, EPDM	9611992145	9611992145
		1 O-ring, NBR	9611992147	9611992147
		1 O-ring, FPM	9611992146	9611992146
25		1 Back plate, standard blasted	9612138405	9612138406
		1 Back plate, Mech Ra ≤ 0.8	9612138421	9612138422
20		2 Nut	9611990353	9611990353
21		2 Washer	9611992559	9611992559



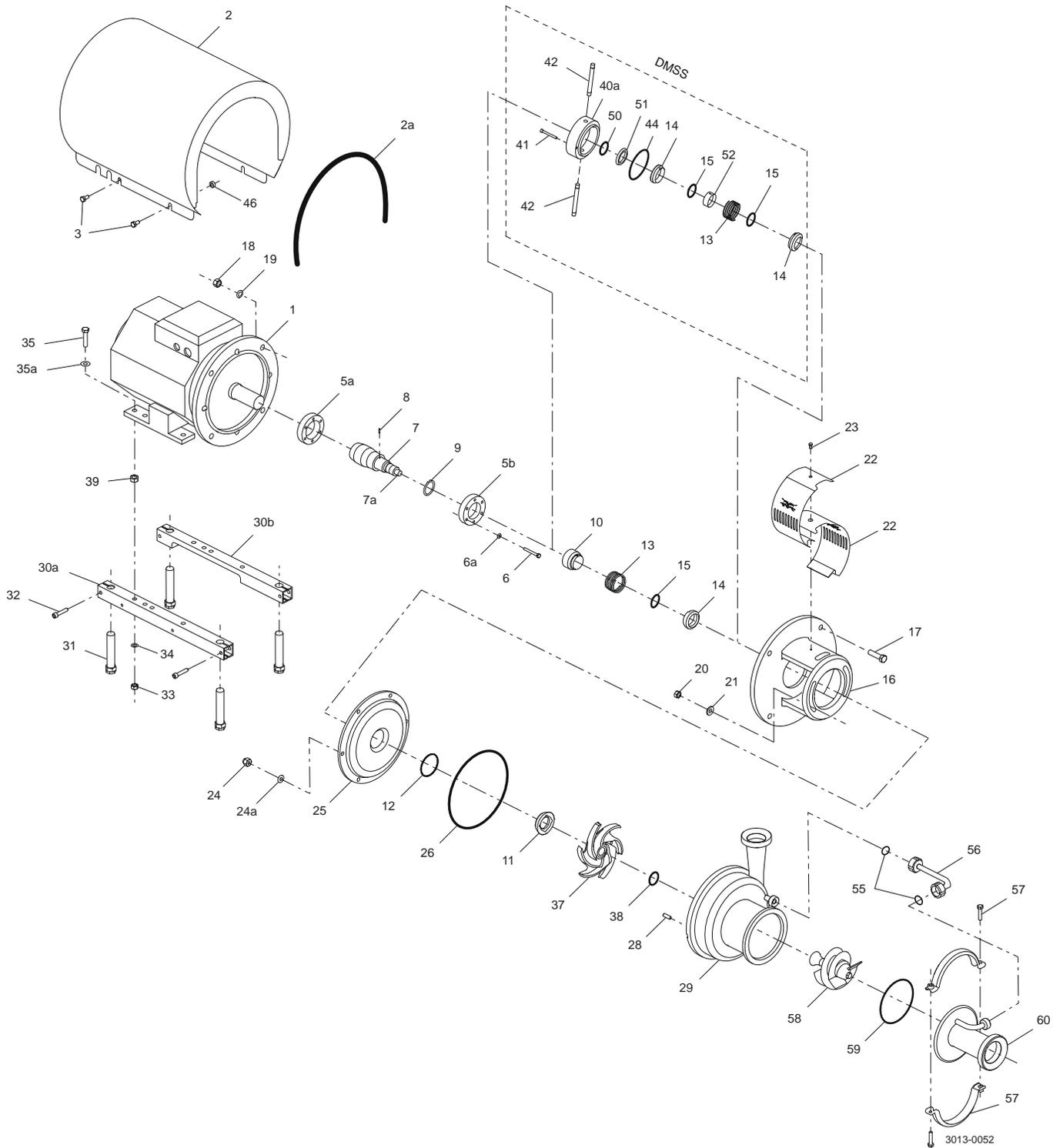
Pos	Qty	Denomination	LKH Prime 20 3-20 Hp	LKH Prime 40 15-60 Hp
Pump casing Mech Ra ≤ 32				
29	1	Pump casing, Tri-clamp	9615262002	9615262004
Pump casing Mech Ra ≤ 20				
	1	Pump casing, Tri-clamp	9615262006	9615262008
Front cover Mech Ra ≤ 32				
60	1	Pump cover, Tri-clamp	9615262102	9615262104
Front cover Mech Ra ≤ 20				
	1	Pump cover, Tri-clamp	9615262106	9615262108
59	◆△◆●	1 O-ring, EPDM	9615217301	9615441501
		1 O-ring, NBR	9615217303	9615441503
		1 O-ring, FPM	9615217302	9615441502
56		1 Recirculation pipe, Mech Ra ≤ 32	9615202004	9615202003
		1 Recirculation pipe, Mech Ra ≤ 20	9615202005	9615202004
55	◆△◆●	2 O-ring, EPDM	9615261501	9615261501
		2 O-ring, NBR	9615261503	9615261503
		2 O-ring, FPM	9615261502	9615261502
57		1 Clamp set	9611311057	9611311058
58		1 Air screw, Mech Ra ≤ 32	9615216504	9615216703
		1 Air screw, Mech Ra ≤ 20	9615216507	9615216704
24		6 Cap nut	9611992592	9611992593
24a		6 Spring washer	9611991888	9611991887
28		6 Bolt	9611992168	9611992169
26	◆△◆●	1 O-ring, EPDM	9611992141	9611992171
		1 O-ring, NBR	9611992143	9611992173
		1 O-ring, FPM	9611992142	9611992172
37		1 Impeller, Mech Ra ≤ 32	9612131418	9612131816
		1 Impeller, Mech Ra ≤ 20	9612131406	9612131806
38	◆△◆●	1 O-ring, EPDM	9611992145	9611992145
		1 O-ring, NBR	9611992147	9611992147
		1 O-ring, FPM	9611992146	9611992146
25		1 Back plate, Mech Ra ≤ 32	9612138421	9612138422
		1 Back plate, Mech Ra ≤ 20	9612138435	9612138438
20		2 Nut	9611990353	9611990353
21		2 Washer	9611992559	9611992559



3013-0052

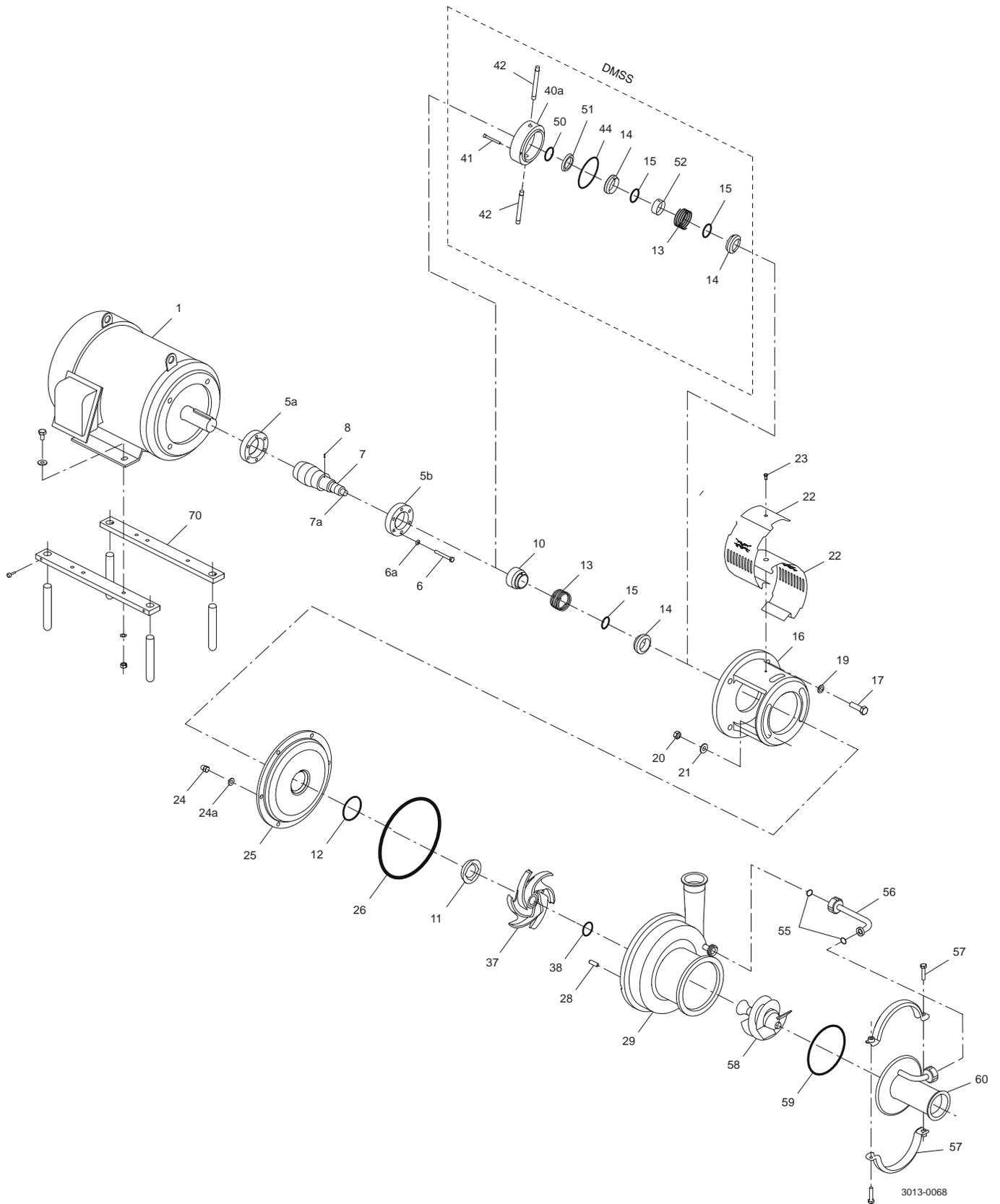
Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160
5a	1	Compression ring with thread	9612133601	9612133602	9612133602	9612133605	9612133603
5b	1	Compression ring without thread	9612133701	9612133702	9612133702	9612133705	9612133703
6	6	Screw	9611993196	9611993196	9611993196	9611993197	9611993198
6a	6	Washer	9611993199	9611993199	9611993199	9611993199	9611993199
7	1	Shaft LKH Prime 20	9615230401	9615230402	9615230402	9615230403	9615230404
	1	Shaft LKH Prime 40				9615422401	9615422501
7a	1	Stud bolt (included in pos 7 , LKH Prime 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 20		
	1	Shaft LKH Prime 40	9615422601	9615422701
7a	1	Stud bolt (included in pos 7, LKH Prime 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



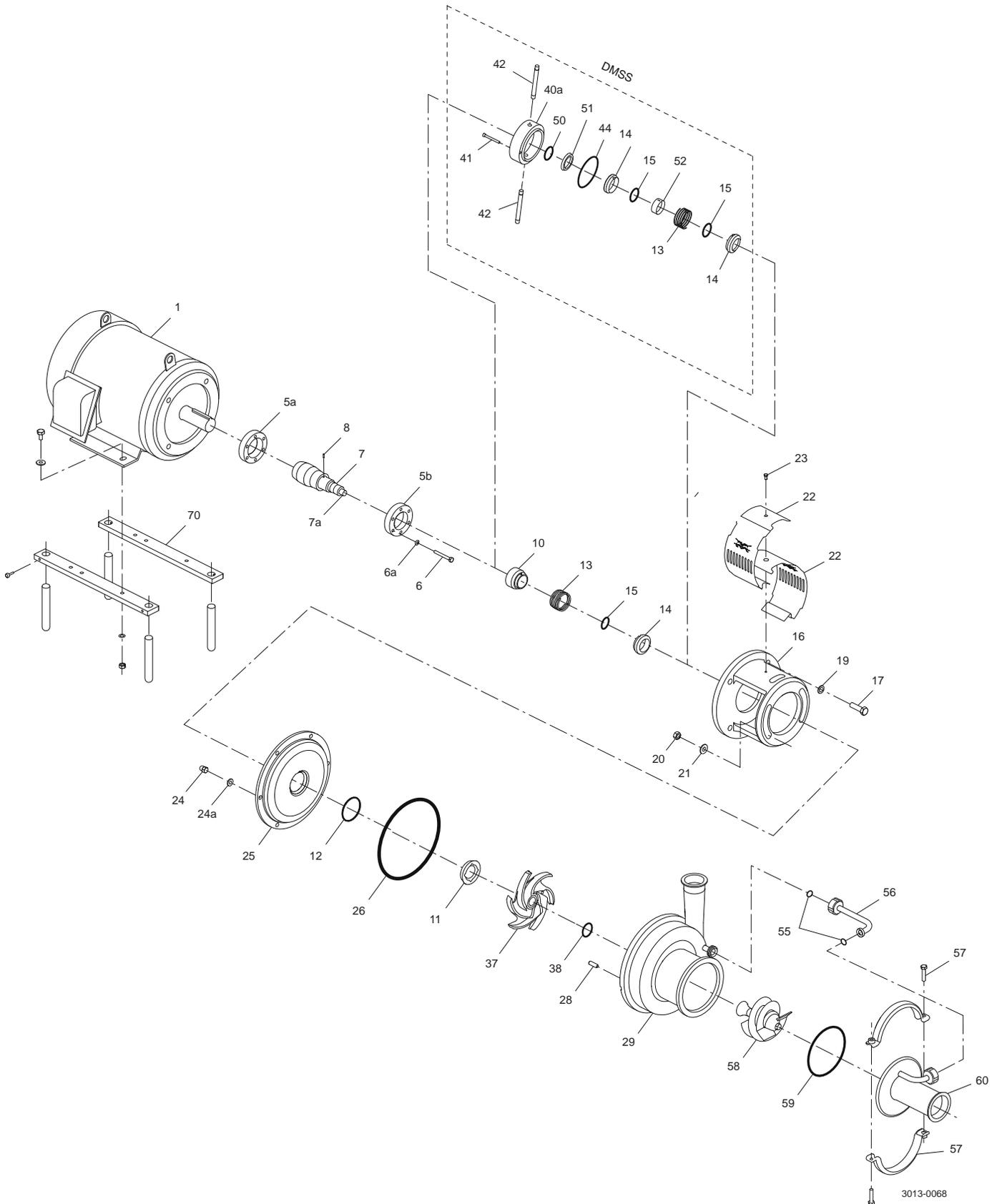
Pos	Qty	Denomination	1.5 kW IEC90	2.2 kW IEC90	3 kW IEC100	4 kW IEC112	5.5 kW IEC132
1	1	Motor ABB, 3000rpm	9614303003	9614303004	9614303005	9614303006	9614303007
Pos	Qty	Denomination	7.5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor ABB, 3000rpm	9614303008	9614303009	9614303010	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



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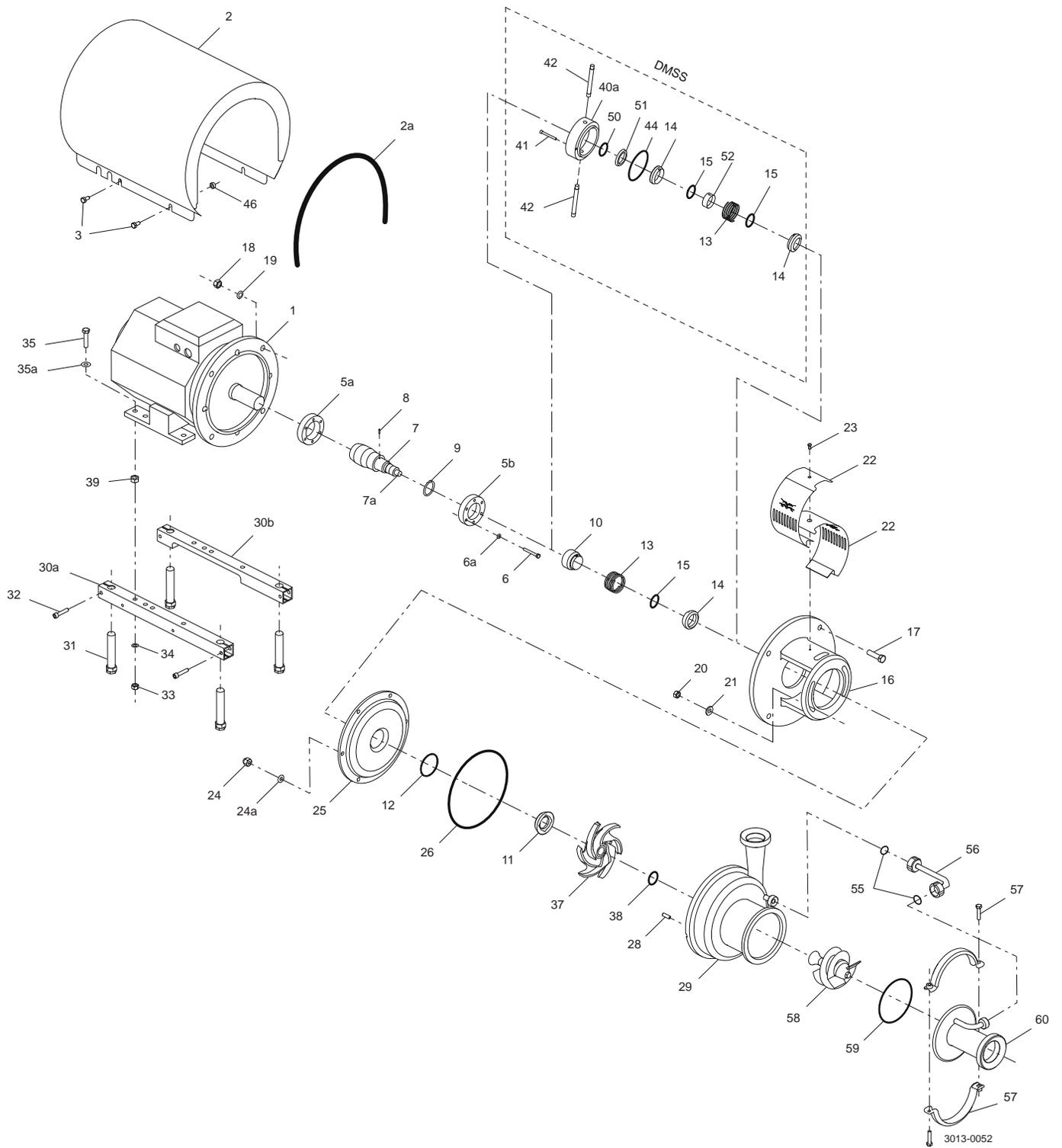
Pos	Qty	Denomination	3-5 Hp	7,5-10 Hp	15-20 Hp	25-30 Hp	40-60 Hp
5a	1	Compression ring, with thread	9612133602	9612133606	9612133603	9612133603	9612133604
5b	1	Compression ring, without thread	9612133702	9612133706	9612133703	9612133703	9612133704
6	6	Screw	9611993196	9611993197	9611993198	9611993198	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 , LKH Prime 20)	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	9614077412	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

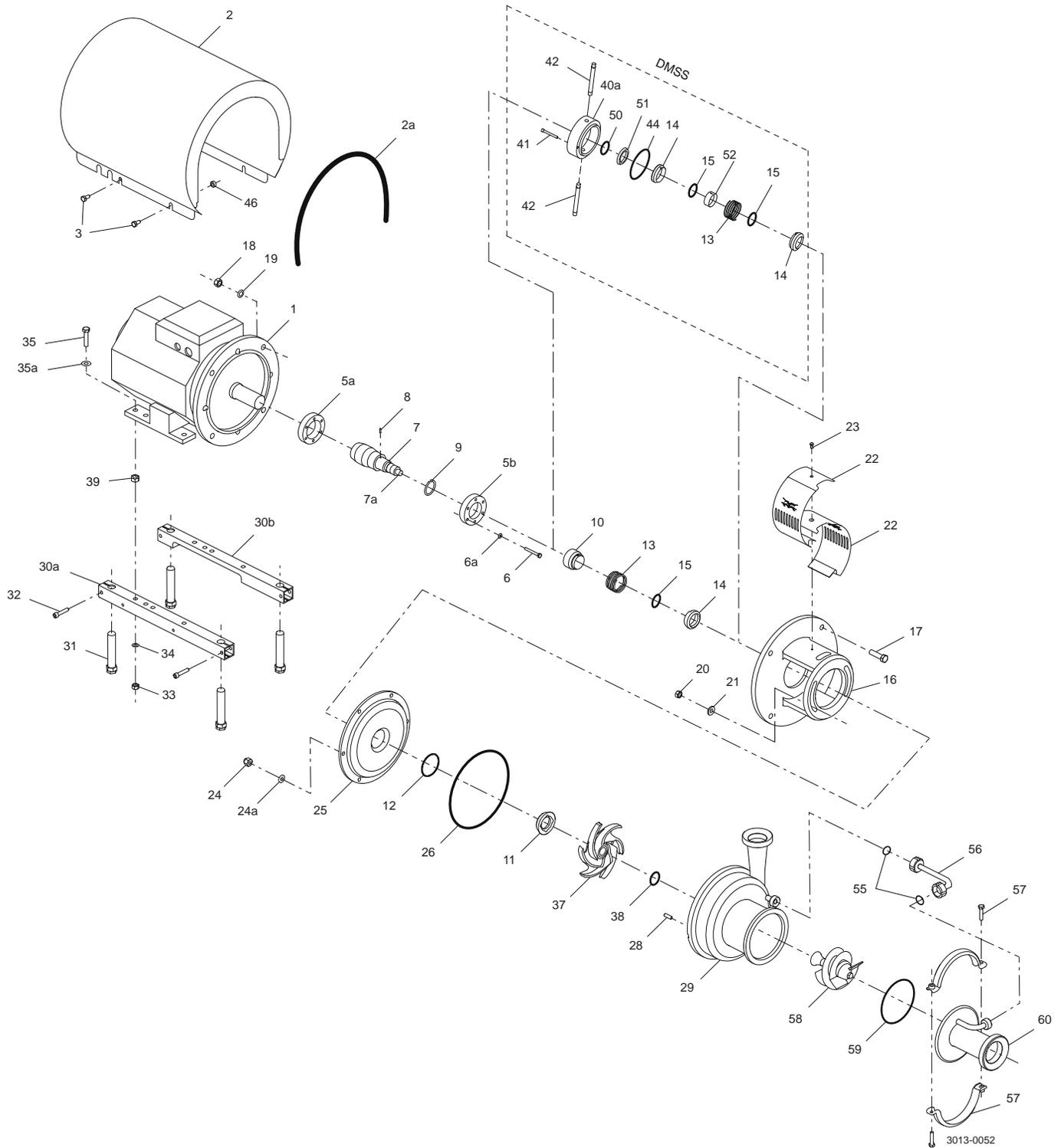
Pos	Qty	Denomination	25 Hp	30 Hp	40 Hp	50 Hp	60 Hp
1	1	Motor	284TSC	286TSC	324TSC	326TSC	364TSC

3/60/208/230-460-standard



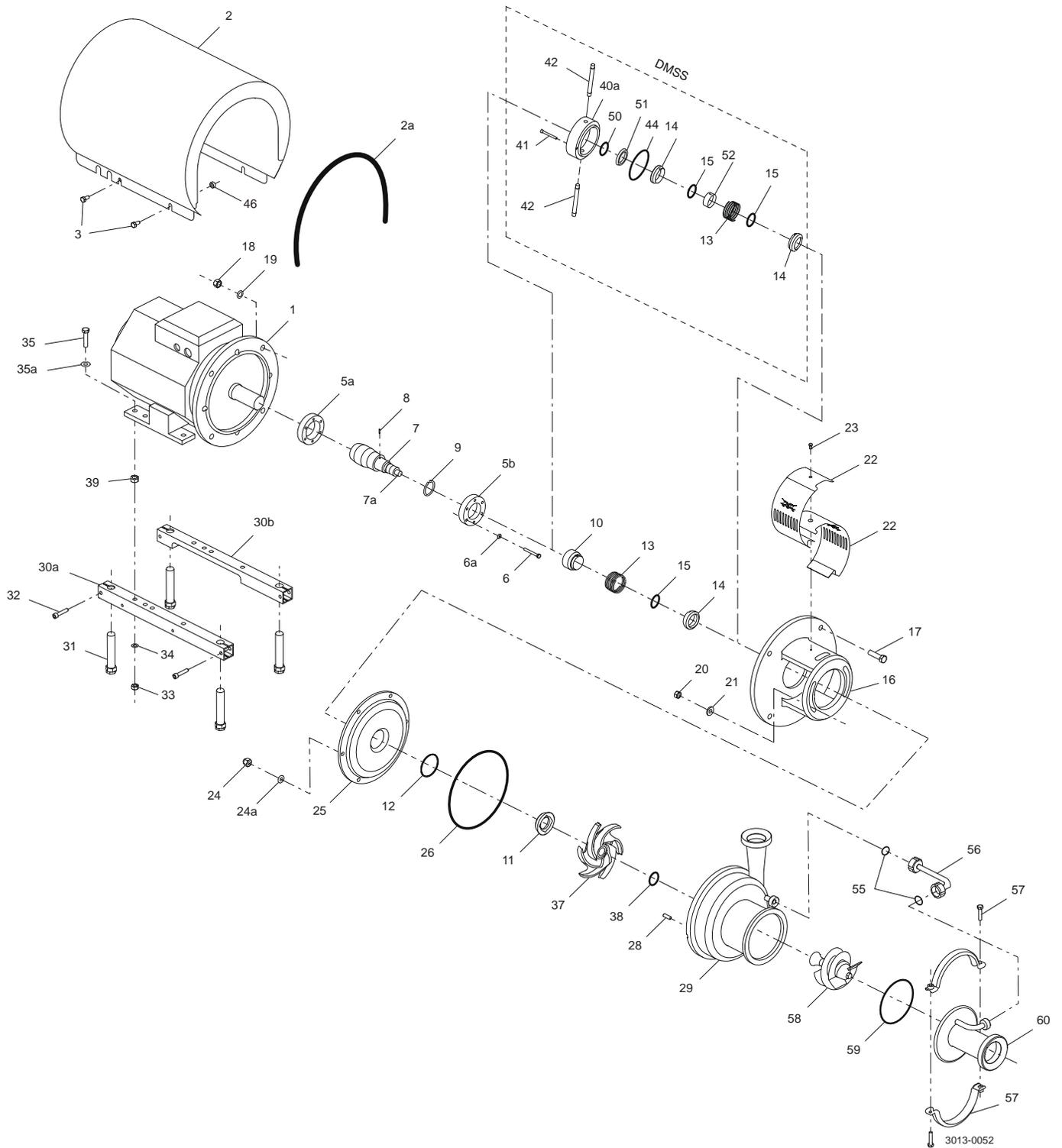
3013-0052

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



3013-0052

Pos	Qty	Denomination	EPDM	NBR	FPM
Single shaft seal					
	♦	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			
Alternatives for single shaft seal					
	✧	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			
Double mechanical shaft seal					
	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			
Alternatives for double mechanical shaft seal					
	●	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			



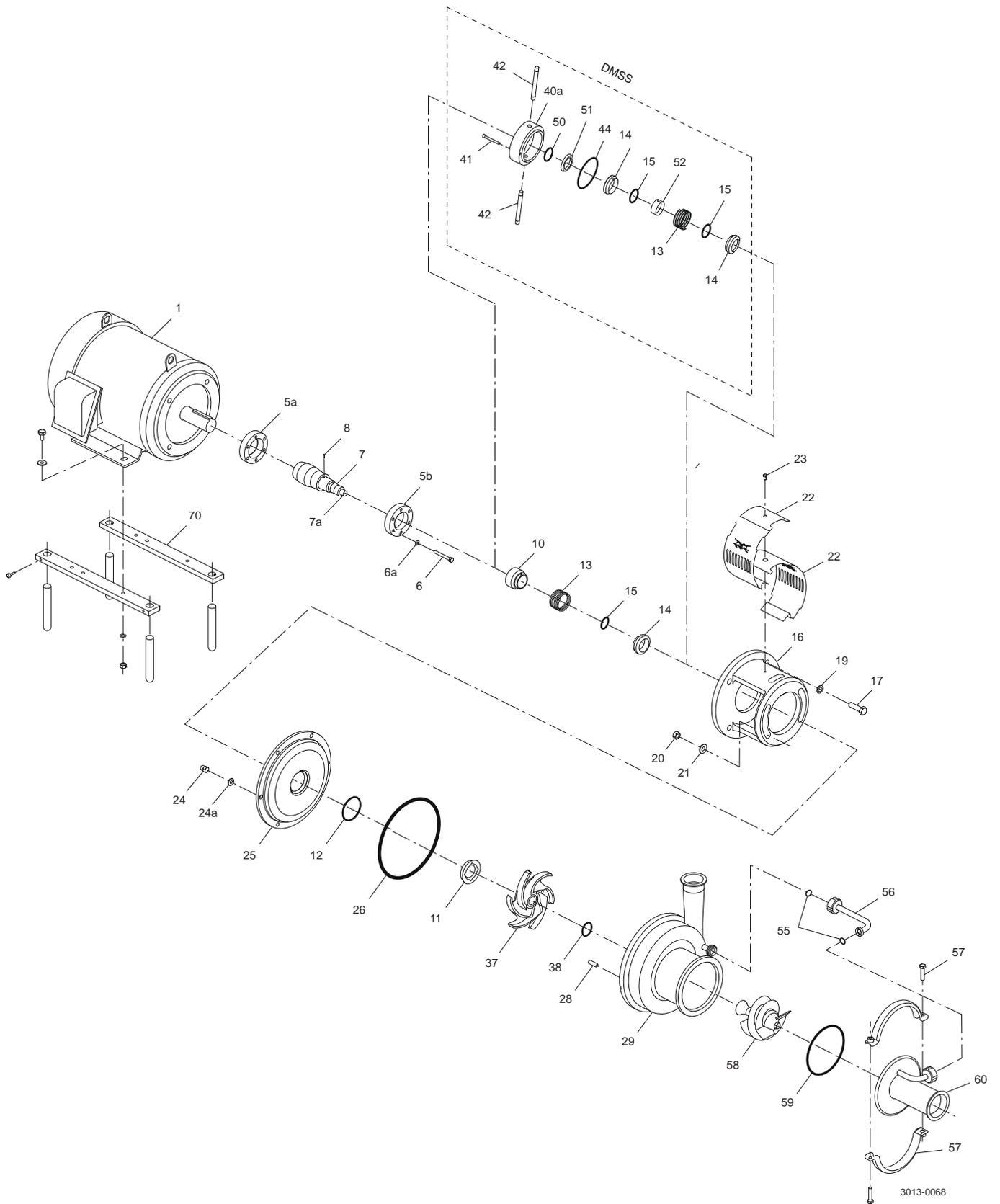
		EPDM	NBR	FPM
Service kit for single shaft seal C/SiC				
♦	Service kit, C/SiC (LKH Prime 20)	9611927175	9611927176	9611927177
♦	Service kit, C/SiC (LKH Prime 40)	9611927210	9611927211	9611927212
Service kit for single shaft seal SiC/SiC				
◇	Service kit, SiC/SiC (LKH Prime 20)	9611927178	9611927179	9611927180
◇	Service kit, SiC/SiC (LKH Prime 40)	9611927213	9611927214	9611927215
Service kit for double mechanical shaft seal C/SiC				
△	Service kit, C/SiC (LKH Prime 20)	9611927181	9611927182	9611927183
△	Service kit, C/SiC (LKH Prime 40)	9611927216	9611927217	9611927218
Service kit for double mechanical shaft seal SiC/SiC				
•	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.

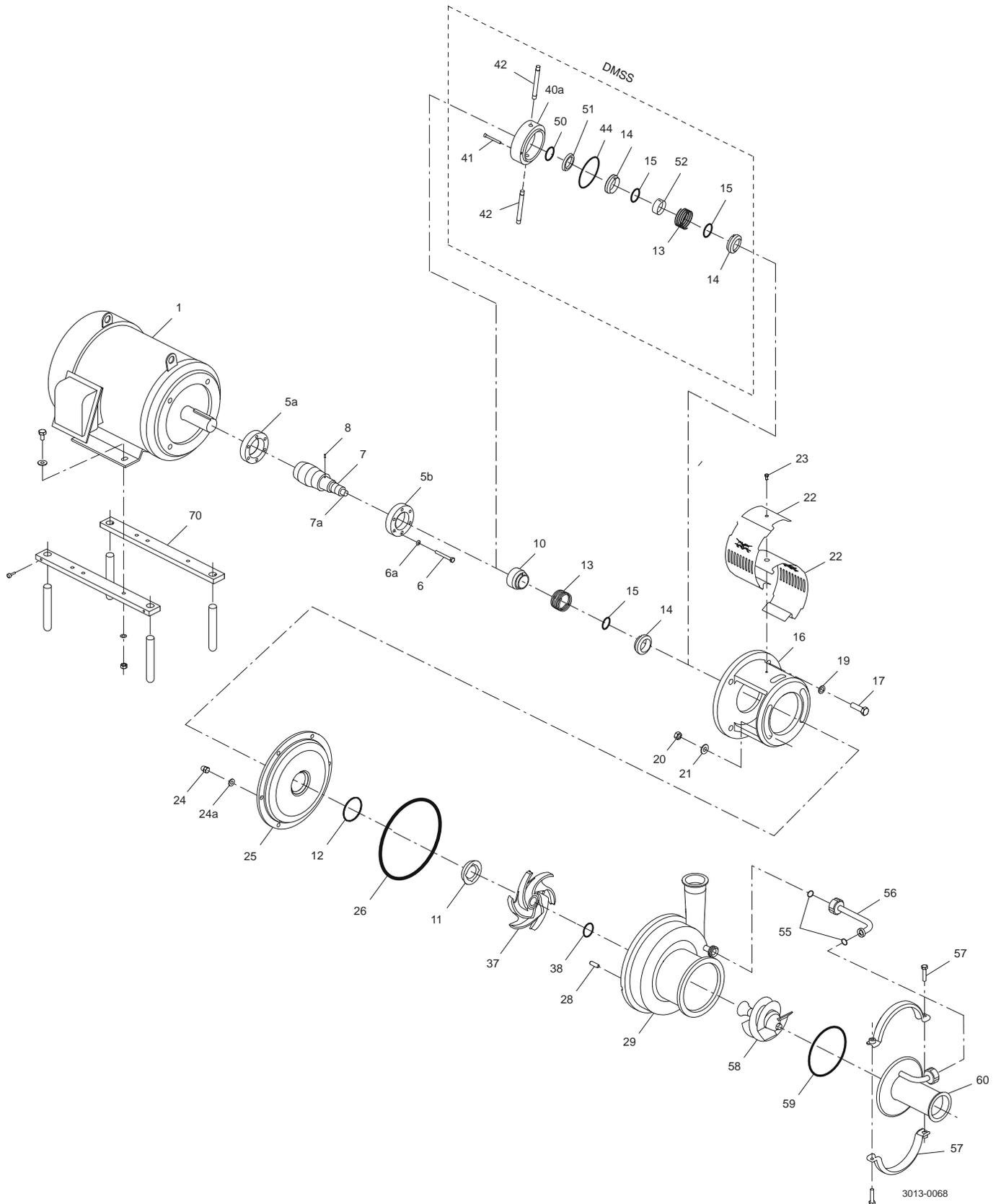
Conversion kit single to double mechanical shaft seal : Please order double mechanical service kit + pos. 40a + 41 + 42.

Recommended spare parts: Service kits.

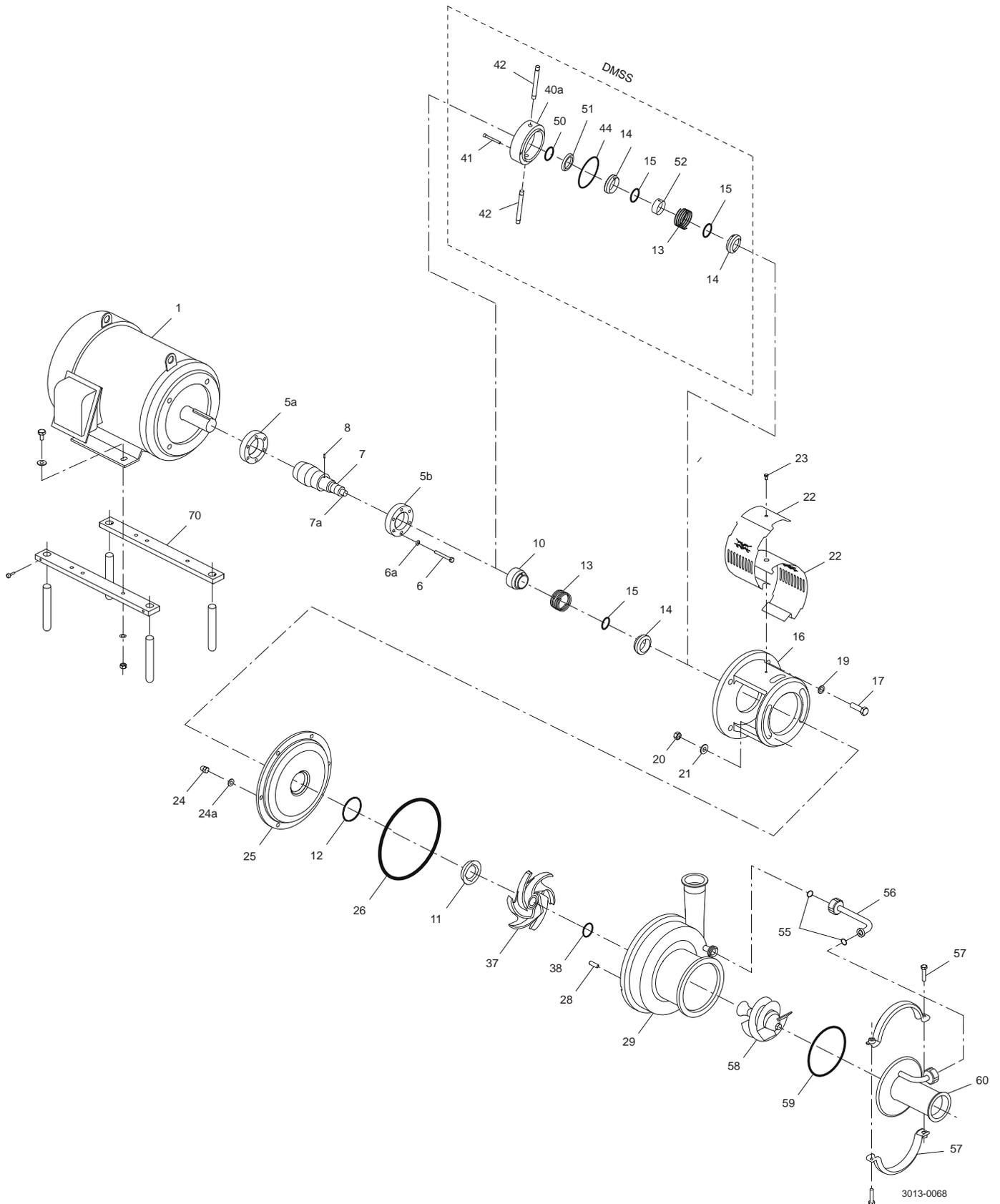
(900687/5)



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



Pos	Qty	Denomination	EPDM	NBR	FPM
Single shaft seal					
	♦	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			
Alternatives for single shaft seal					
	✧	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			
Double mechanical shaft seal					
	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			
Alternatives for double mechanical shaft seal					
	●	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			

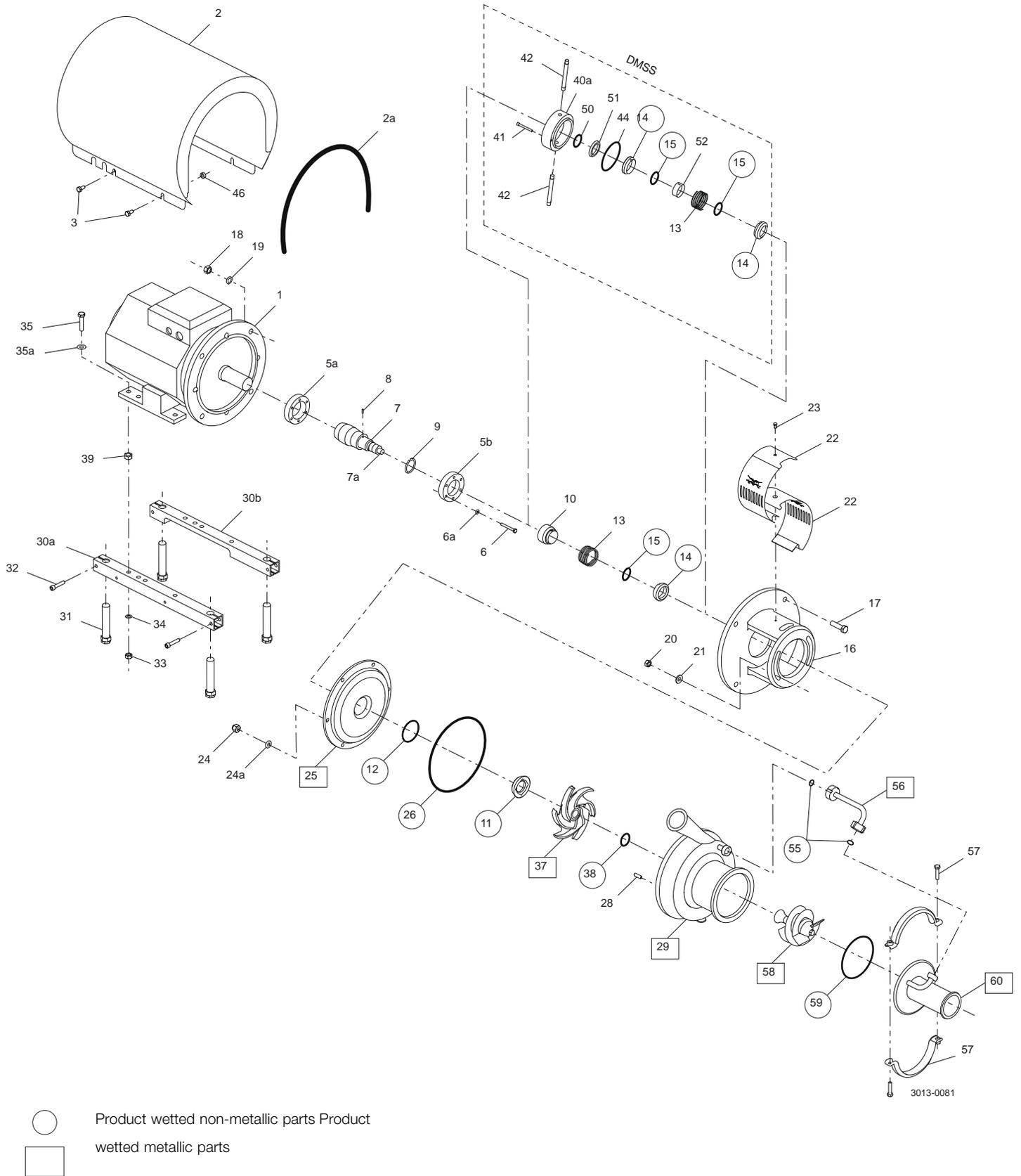


		EPDM	NBR	FPM
Service kit for single shaft seal				
C/SiC				
◆	Service kit, C/SiC (LKH Prime 20)	9611927175	9611927176	9611927177
	Service kit, C/SiC (LKH Prime-40)	9611927210	9611927211	9611927212
SiC/SiC				
◇	Service kit, SiC/SiC (LKH Prime 20)	9611927178	9611927179	9611927180
	Service kit, SiC/SiC (LKH Prime-40)	9611927213	9611927214	9611927215
Service kit for double mechanical shaft seal				
C/SiC				
△	Service kit, C/SiC (LKH Prime 20)	9611927181	9611927182	9611927183
	Service kit, C/SiC (LKH Prime-40)	9611927216	9611927217	9611927218
SiC/SiC				
●	Service kit, SiC/SiC (LKH Prime 20)	9611927184	9611927185	9611927186
	Service kit, SiC/SiC (LKH Prime-40)	9611927219	9611927220	9611927221

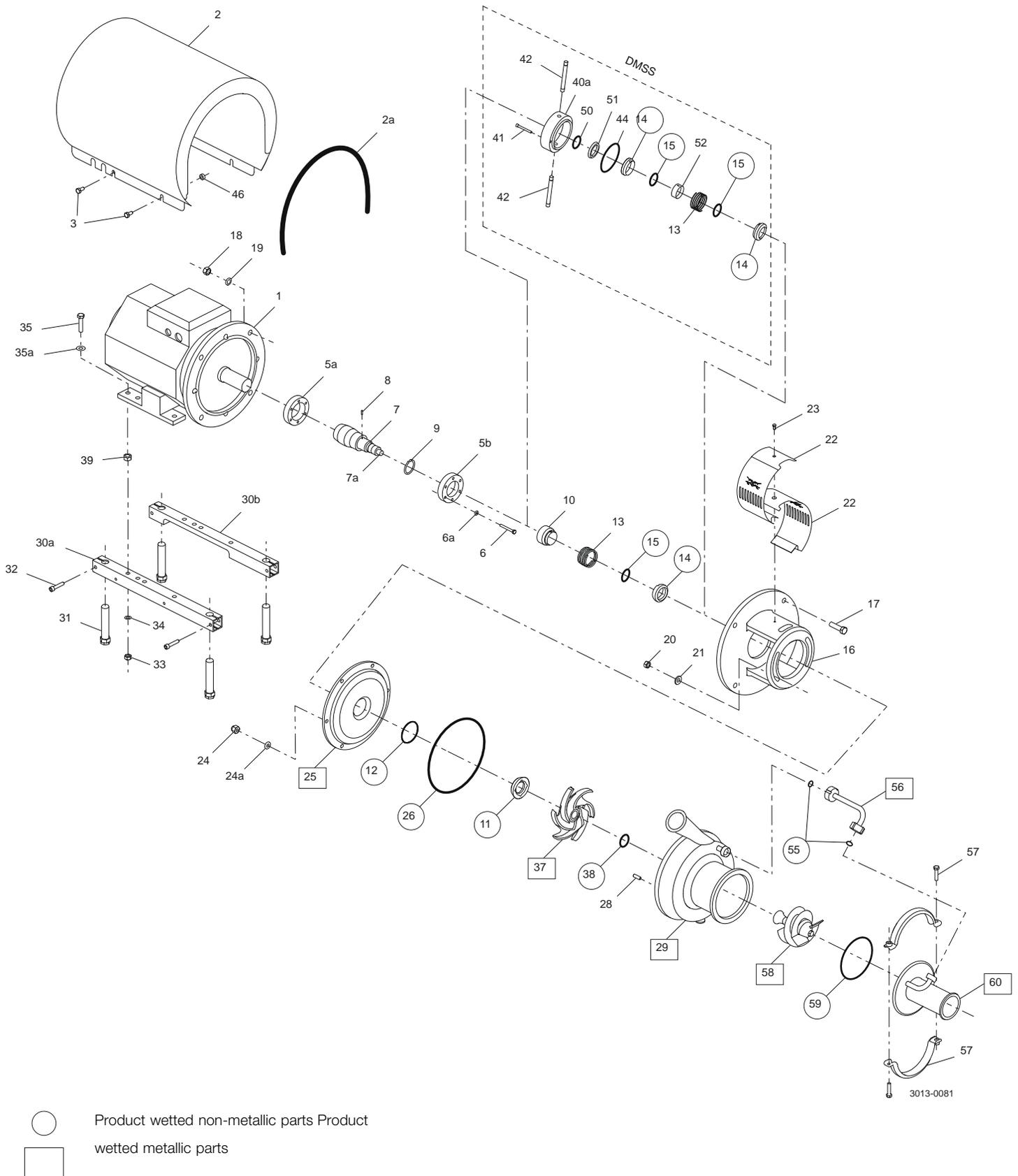
Parts marked with ◆△◇● are included in the service kits.
 Recommended Spare Parts: Service kits.

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

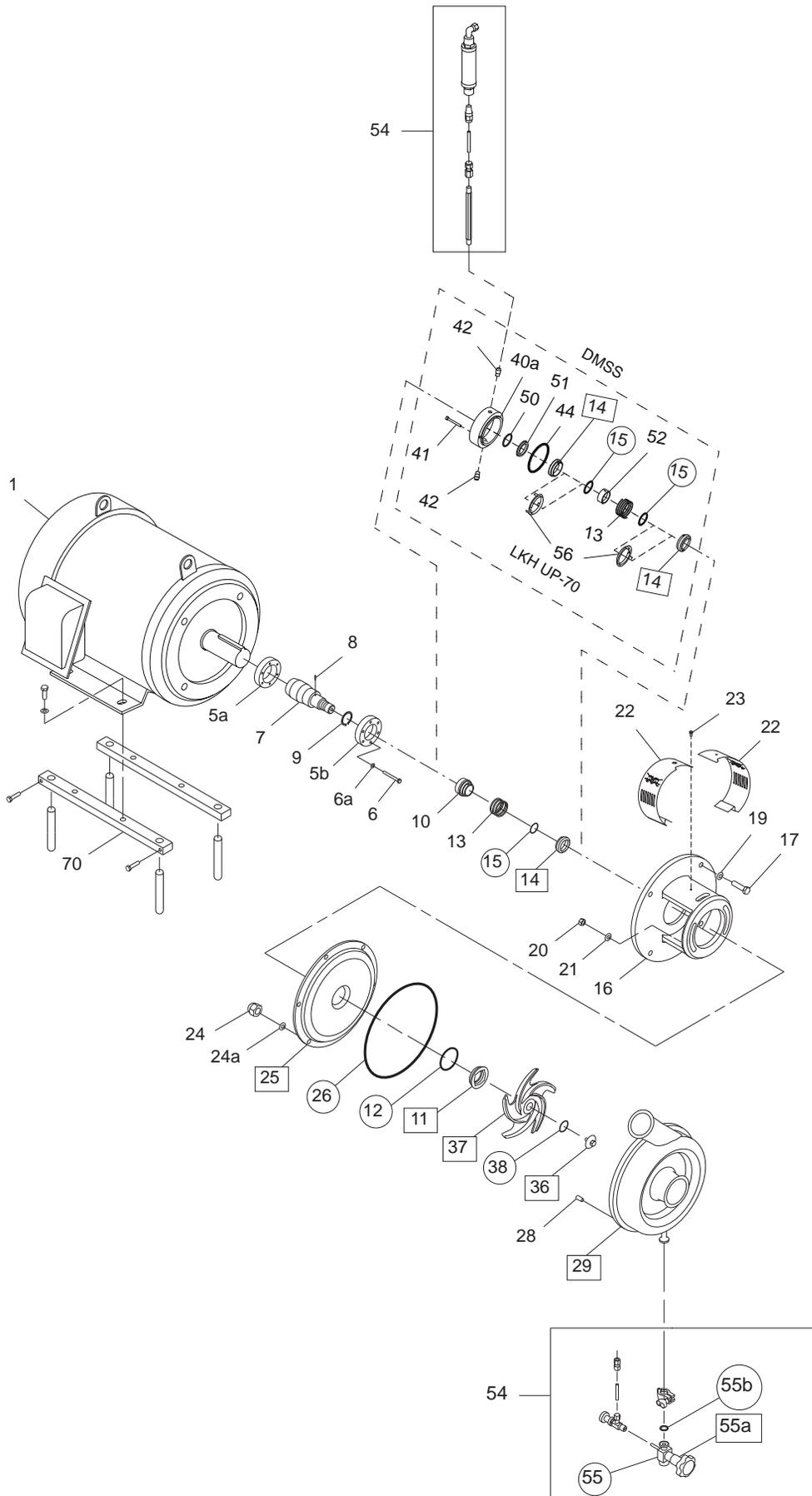
(900688/6)



Pos	Qty	Denomination	LKH Prime UltraPure 20 IEC100- IEC160
Casing Mech Ra ≤ 0.8, 45deg outlet, 1/2" drain			
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9615264802
Casing Mech Ra ≤ 0.5, 45deg outlet, 1/2" drain			
	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9615264814
Casing Mech Ra ≤ 0.4 EP, 45deg outlet, 1/2" drain			
	1	Connections and drain, ferrule Tri-clamp for ASME BPE	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 www.alfalaval.com/certificates			
Cover complete, Mech Ra ≤ 0.8			
60	1	Ferrule Tri-clamp, for ASME BPE.	9615265102
Cover complete, Mech Ra ≤ 0.5			
	1	Ferrule Tri-clamp, for ASME BPE	9615265114
Cover complete, EP Ra ≤ 0.4 my m			
	1	Ferrule Tri-clamp, for ASME BPE	9615265126



Pos	Qty	Denomination	LKH Prime UltraPure 20 IEC100- IEC160
24	6	Cap nut	9611992592
24a	6	Washer	9611991888
28	6	Bolt	9611992168
59	♦♦	1 O-ring, EPDM	
		1 O-ring, FPM	
		1 O-ring, FEP	
56	1	Recirculation pipe, Mech Ra ≤ 0.8	9615202006
	1	Recirculation pipe, Mech Ra ≤ 0.5	9615202001
	1	Recirculation pipe, EP Ra ≤ 0.4	9615202002
55	♦♦	2 O-ring, EPDM	
		2 O-ring, FPM	
		2 O-ring, FEP	
57	1	Clamp set	9611311057
58	1	Air screw, Mech Ra ≤ 0.8	9615216508
	1	Air screw, Mech Ra ≤ 0.5	9615216505
	1	Air screw, EP Ra ≤ 0.4	9615216506
37	1	Impeller, Mech Ra ≤ 0.8	9612131419
	1	Impeller, Mech Ra ≤ 0.5	9612131406
	1	Impeller, EP Ra ≤ 0.4	9612131415
25	1	Backplate compl, Mech Ra ≤ 0.8	9612633212
	1	Backplate compl, Mech Ra ≤ 0.5	9612633202
	1	Backplate compl, EP Ra ≤ 0.4	9612633207
20	1	Nut	9611990353
21	2	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, EPDM	
		1 O-ring impeller, FPM	
		1 O-ring impeller, FEP	



3007-0116



○ 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
Casing Mech Ra ≤ 20, 45deg, 1/2" TriClamp drain						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9612630501	9612630504	9612630507	9612630510

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

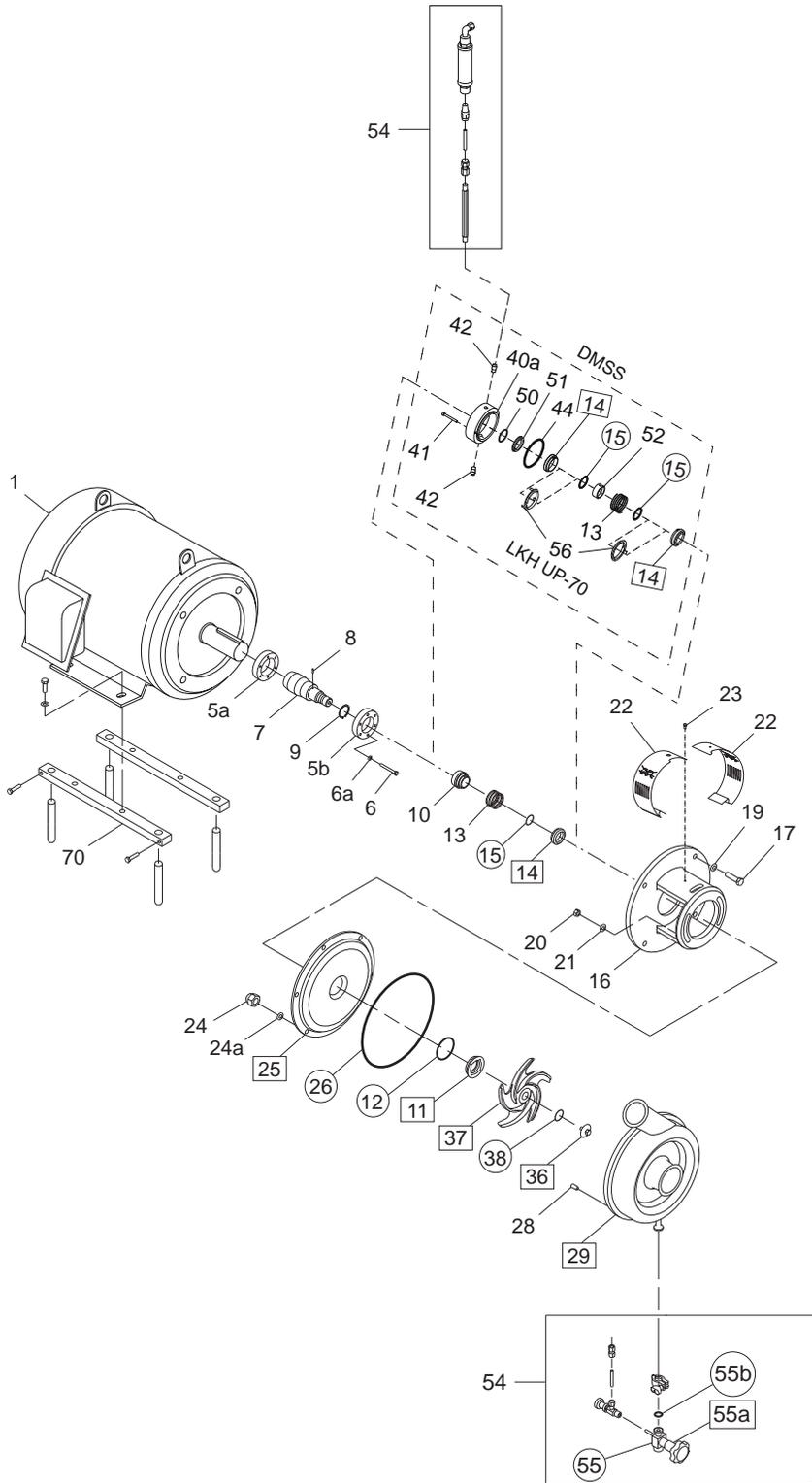
Pos	Qty	Denomination	LKHUP-40 1-60HP	LKHUP-45 1-60HP	LKHUP-60 1-60HP	LKHUP-70 10-100HP
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Casing Mech Ra ≤ 20, 45deg, 1/2" TriClamp drain						
29	1	Connections and drain, ferrule Tri-clamp for ASME BPE	9612630513	9615375304	9615375305	9615375306

Casing EP Ra ≤ 15, 45deg, 1/2" TriClamp drain						
	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.

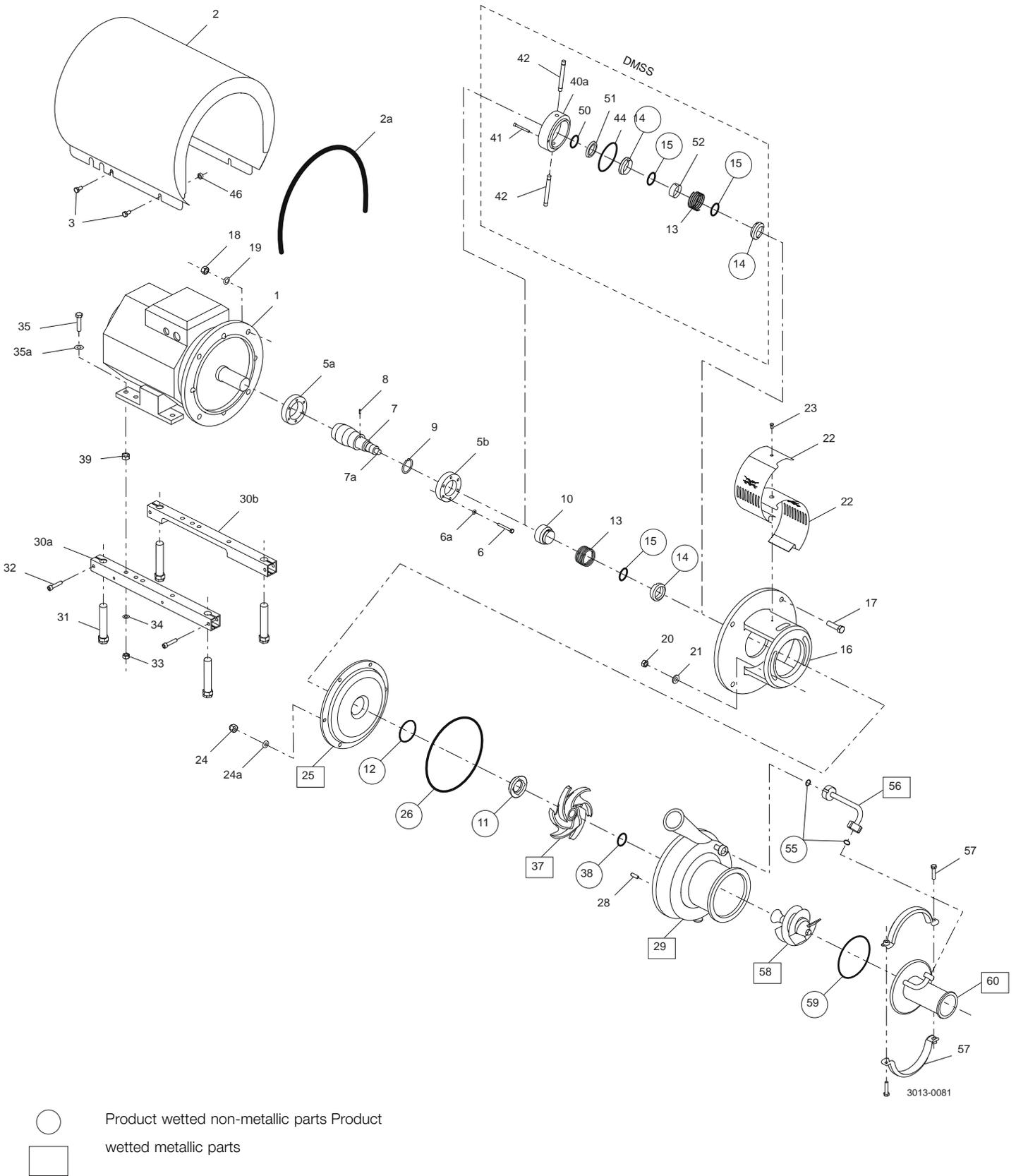
Note: Heat certificates can be downloaded from www.alfalaval.com/certificates



3007-0116

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				



Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160
7	1	Shaft	9615230401	9615230402	9615230402	9615230403	9615230404
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			

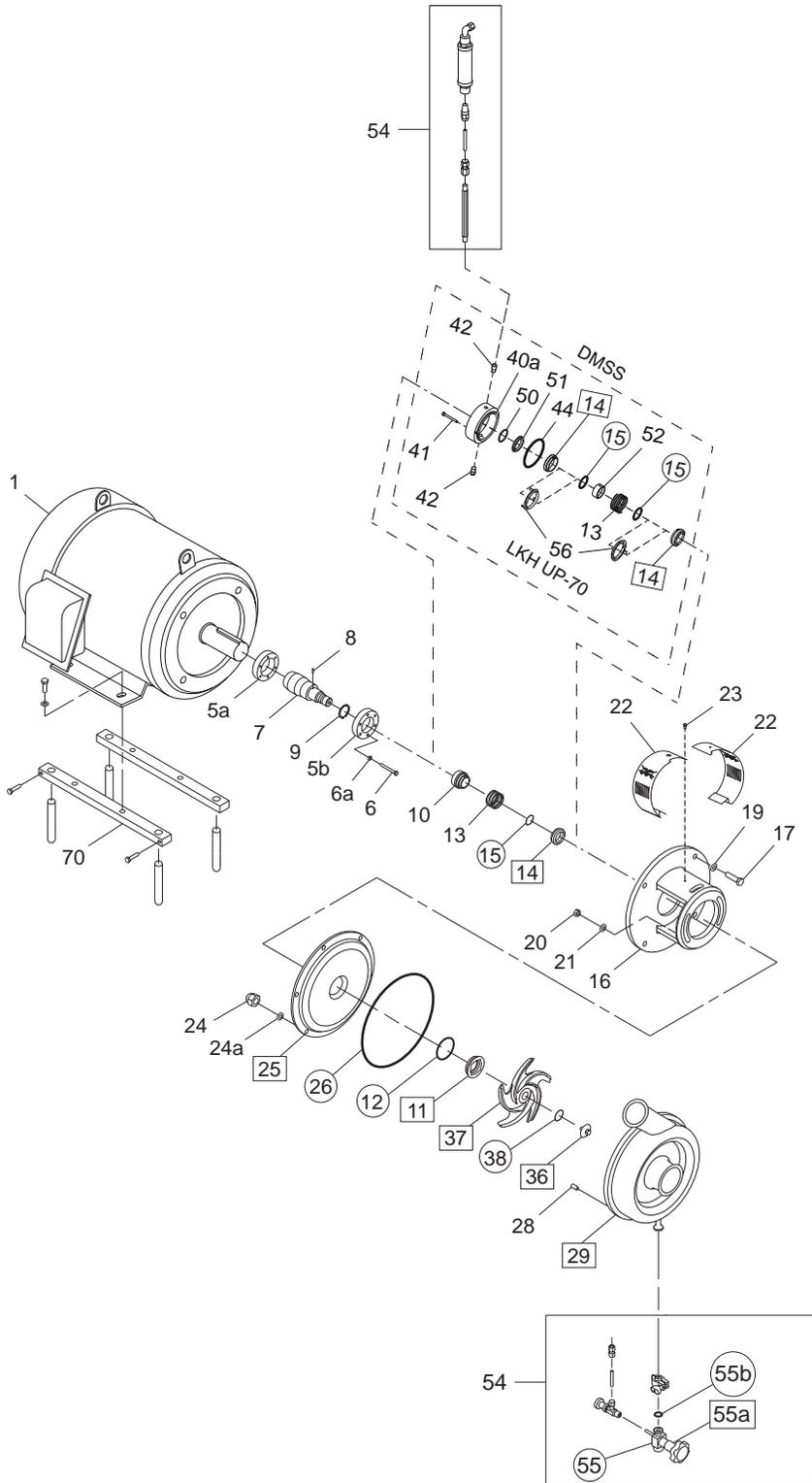
Shroud (option)

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



3007-0116

- Product wetted part
- Product wetted steel part

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
LKHUP-10/20/25/35/40/45/60								
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

Pos	Qty	Denomination	EPDM	FPM	FEP
Accessories					
	1	Tool complete	9612137101		
10	1	Drive ring, Single shaft seal steel	9614206001		
Parts for double mechanical shaft seal					
40a	1	Seal housing	9612133902		
41	2	Screw for seal housing	9611990203		
42	2	Fittings	9611992323		
Single shaft seal SiC/SiC					
	♦	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					
	•	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			

Service kit for single shaft seal

♦	Service kit LKH Prime UltraPure 20 (incl. Q-doc)	9611927187	9611927188	9611927191
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Service kit for double mechanical shaft

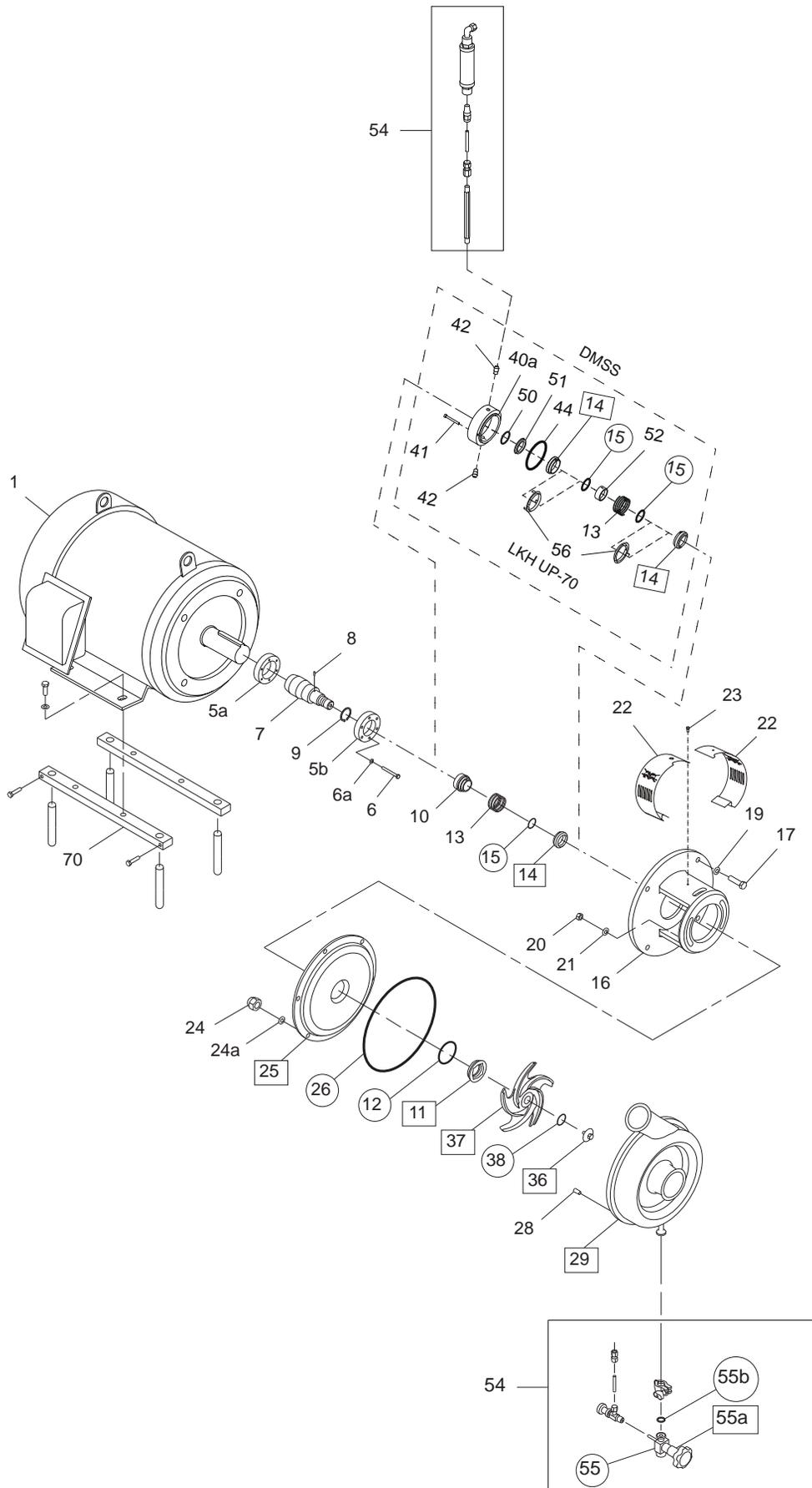
•	Service kit LKH Prime UltraPure 20 (incl. Q-doc)	9611927189	9611927190	9611927192
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Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity. Parts marked 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.

(900689/3)



3007-0116

○ 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
Flushing set				
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
Parts for double mechanical shaft seal				
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

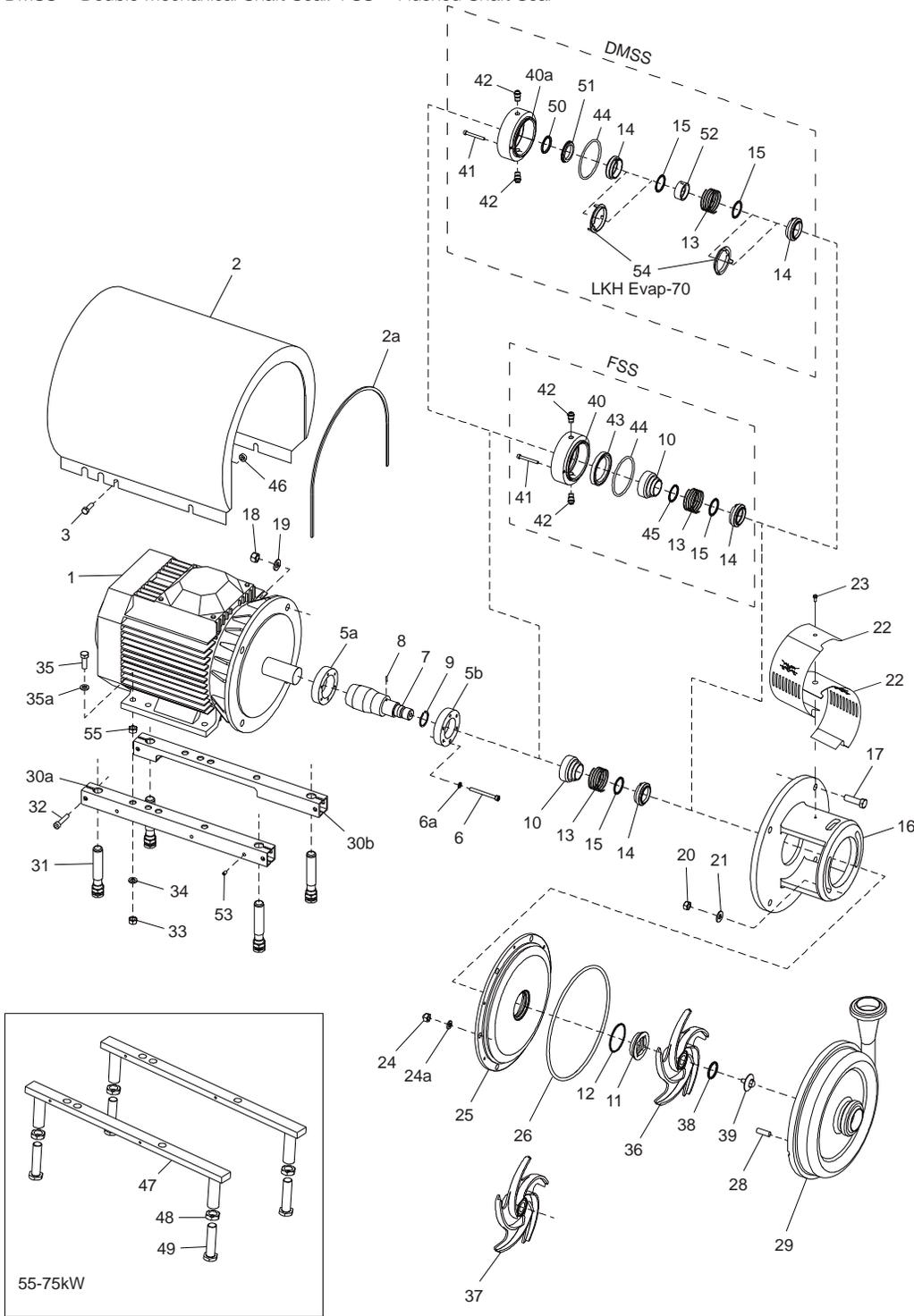
Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity.

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

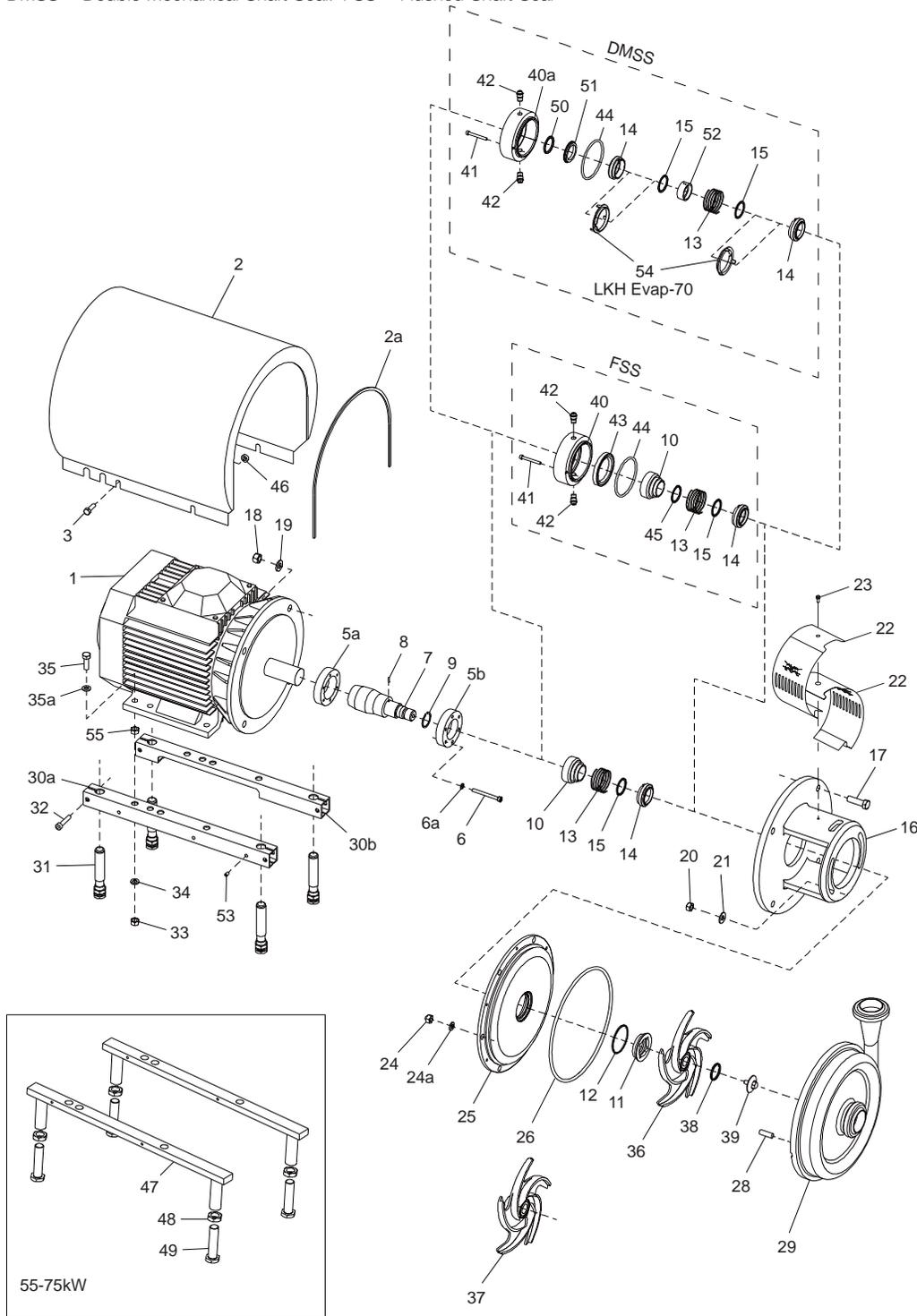
Pump Casing Mech Ra ≤ 0.8

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

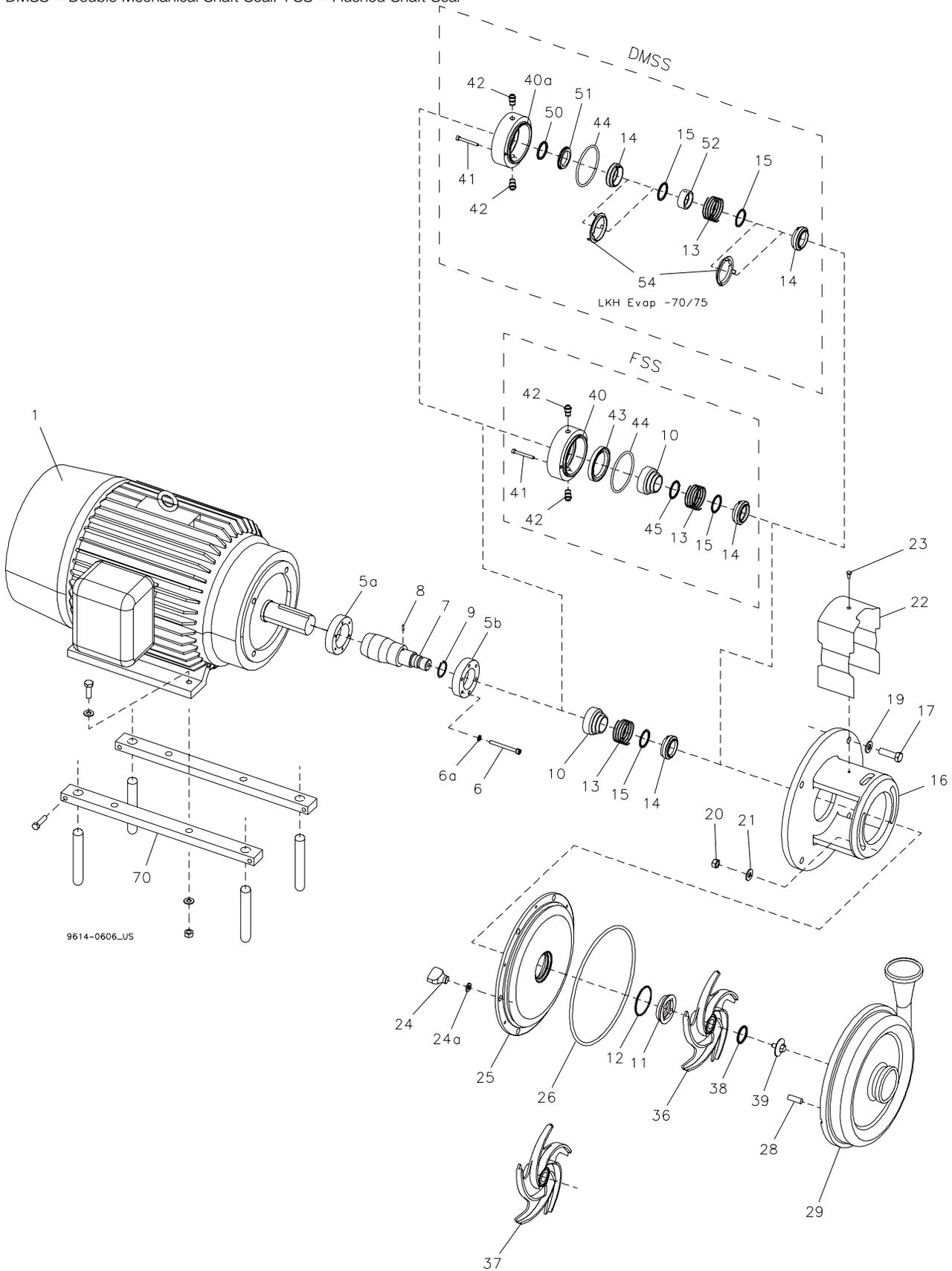


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Pos	Qty	Denomination	LKH Evap-10	LKH Evap-15	LKH Evap-20	LKH Evap-25	LKH Evap-35
			IEC90-IEC112	IEC100-IEC132	IEC90-IEC132	IEC112-IEC160	IEC112-IEC160
20	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353
21	2	Washer	9611992559	9611992559	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
28	6	Bolt	9611992168	9611992168	9611992168	9611992169	9611992169
36	1	Impeller, std. blasted	9612131202	9612431402	9612131402	9612425202	9612434102
	1	Impeller, Mech Ra ≤ 0.8	9612131228	9612431413	9612131418	9612425216	9612434116
37	1	Impeller, ClearFlow, std. blasted	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
39	1	Impeller screw, std. blasted	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
28	6	Bolt	9611992169	9611992169	9611992169	9611992169	
	8	Bolt, (LKH Evap-70 and -75)					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
39	1	Impeller screw, std. blasted	9612139601	9612139601	9612139601	9612139601	9612927101
	1	Impeller screw, Mech Ra ≤ 0.8	9612139603	9612139603	9612139603	9612139603	9612927102

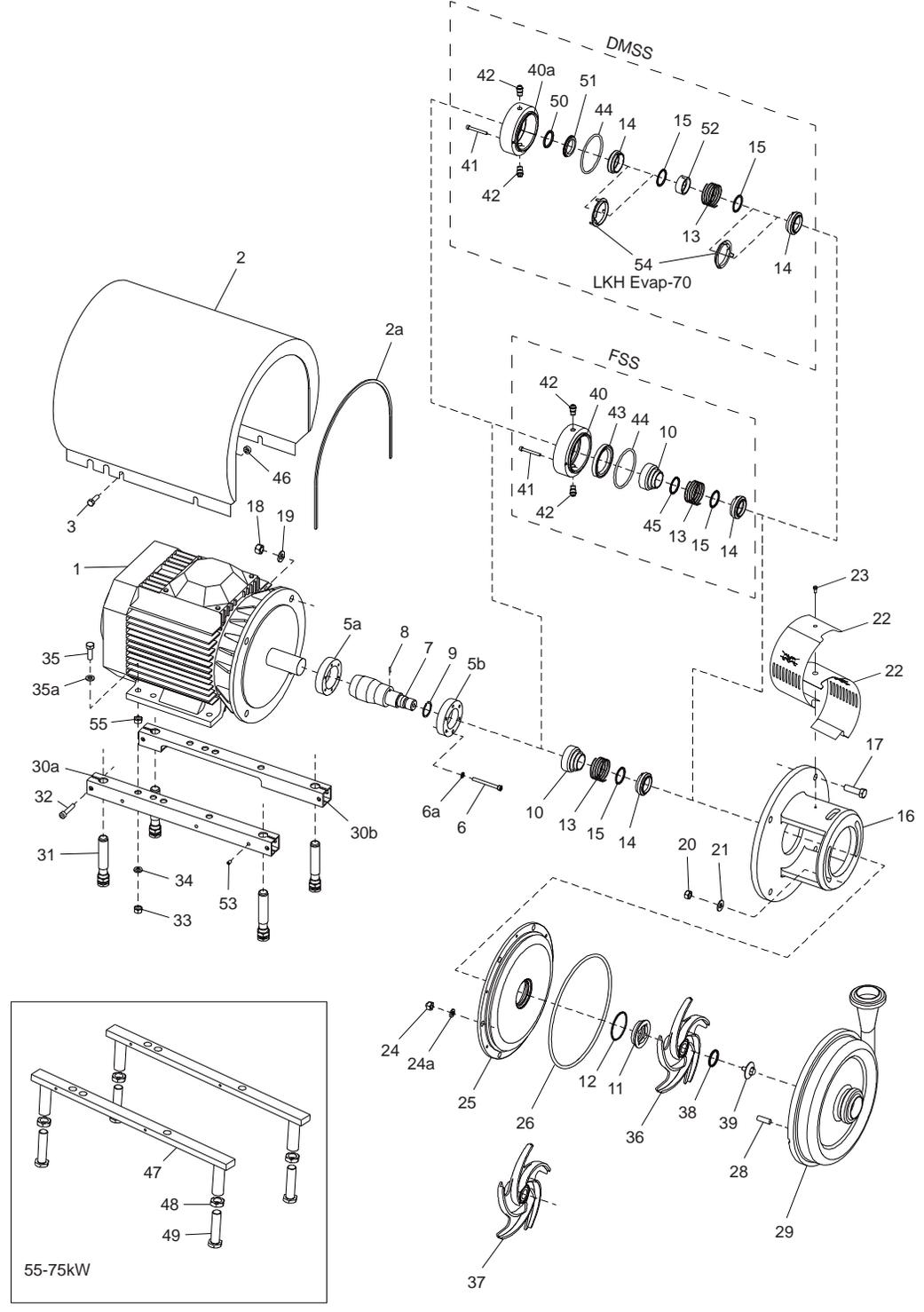
DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal



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
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
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		
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		
39	1	Impeller screw, polished Ra ≤ 32	9612139603	9612139603	9612139603	9612927102	9612927105	

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



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

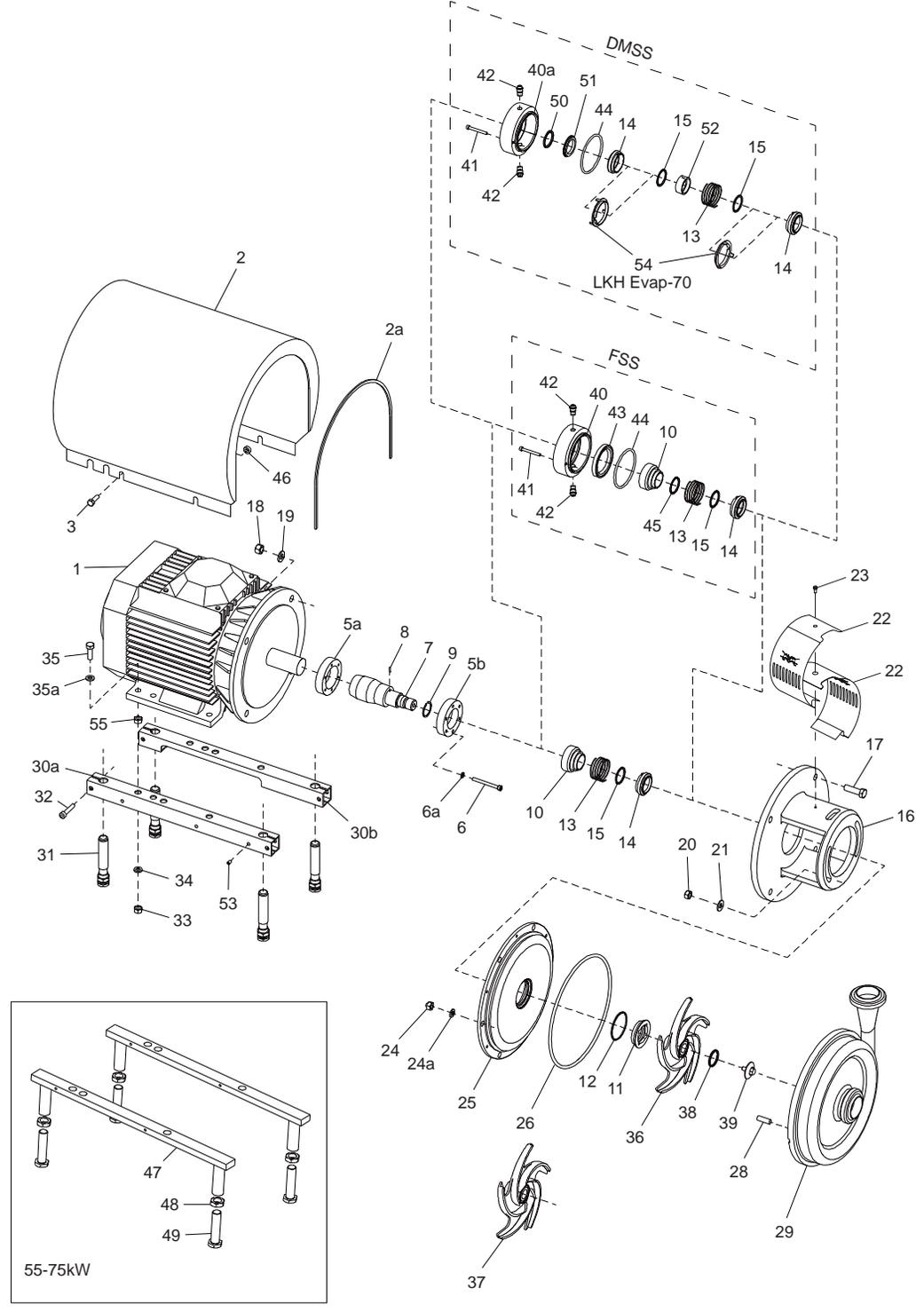
Pos	Qty	Denomination	7.5 kW IEC132	11 kW IEC160	15 kW IEC160	18.5 kW IEC160	22 kW IEC180
1	1	Motor ABB, 3000rpm	9614303008	96143033009	9614303010	9614303011	9614303012
	1	Motor ABB, 1500rpm	9614303024				

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				

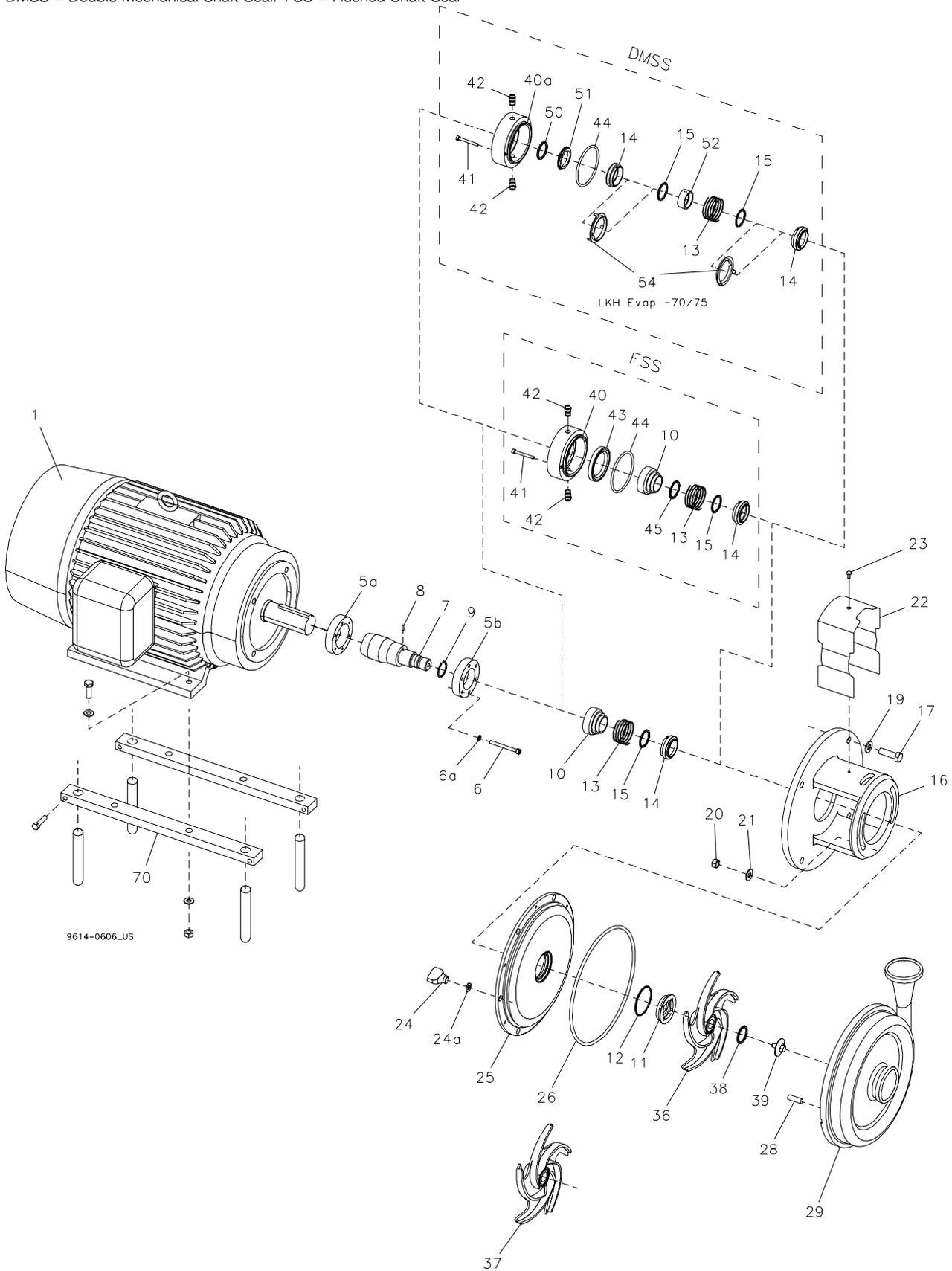
DMSS = Double Mechanical Shaft Seal. FSS = Flushed Shaft Seal



3006-0002

Pos	Qty Denomination	LKH Evap	LKH Evap 70	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	9611990587	9611990353	9611990587	9611990587	9611990587	9611990935
34	4 Spring washer	9611990676	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



9614-0606_US

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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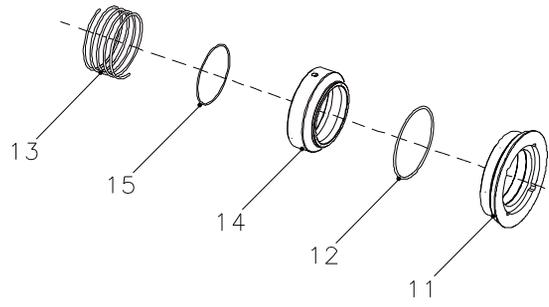
LKH Evap -70/75

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

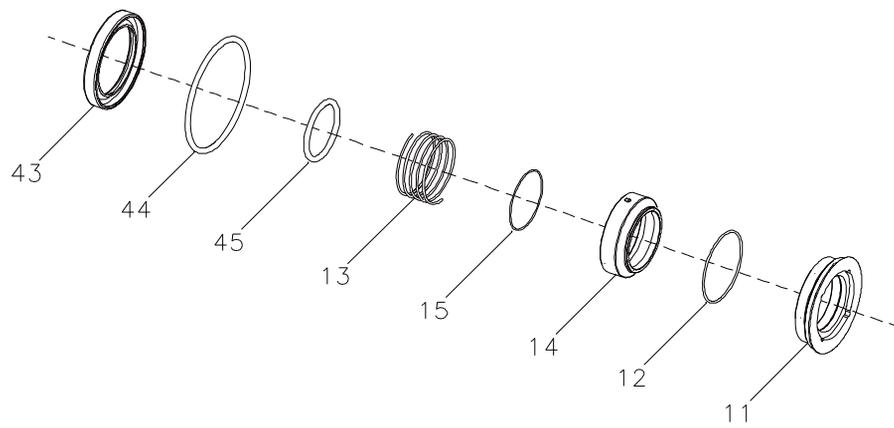
Legs

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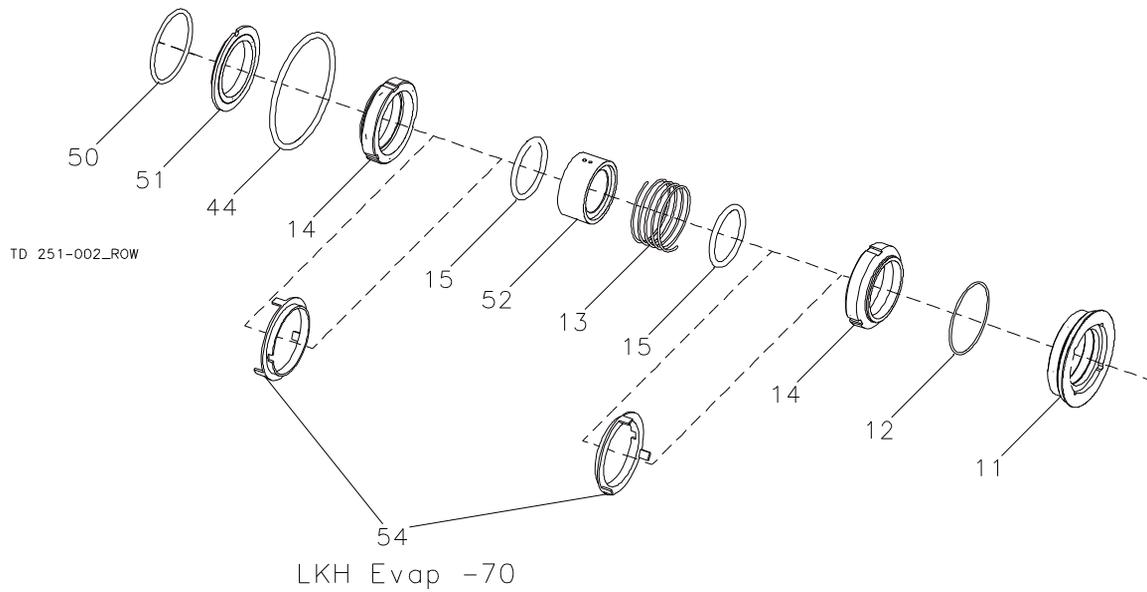
Single Shaft Seal



Flushed Shaft Seal



Double Mechanical Shaft Seal

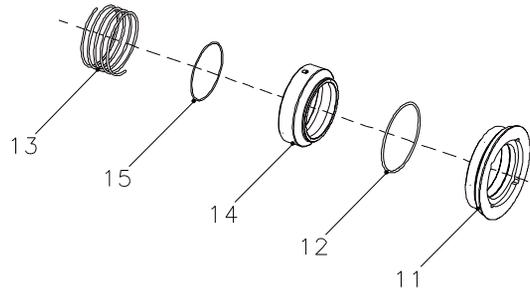


Pos	Qty	Denomination	LKH Evap	
			10-60	LKH Evap 70
Accessories				
	1	Tool complete	9612903601	9612903701
Parts for flushed shaft seal				
40	1	Seal housing	9612133901	9612514401
41	2	Screw for seal housing	9611990203	9611993232
42	2	Fittings	9911992323	9611992323
Parts for double mechanical shaft seal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

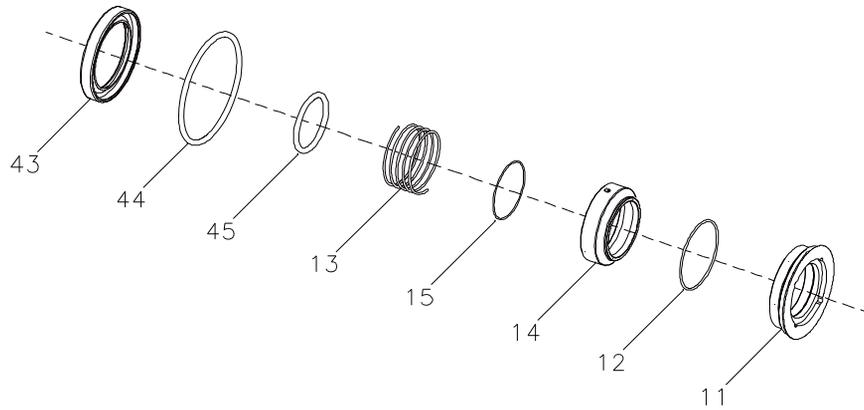
Shaft seals for LKH Evap 10-60

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				
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				
Flushed shaft seal (Standard)						
	♦	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				
Alternatives for flushed shaft seal						
	Δ	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				
Double mechanical shaft seal (Standard)						
	○	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				

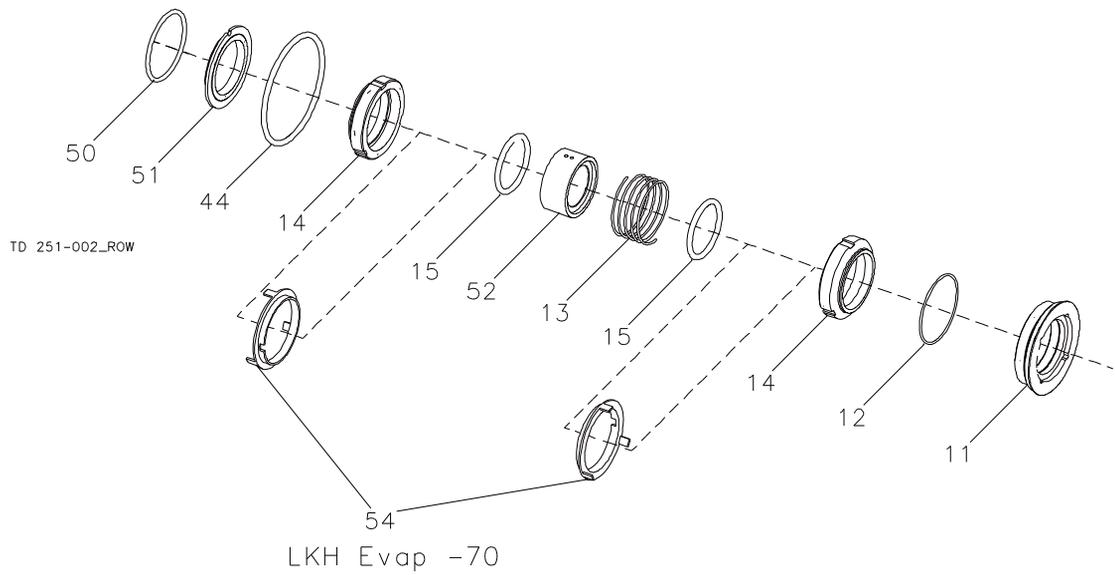
Single Shaft Seal



Flushed Shaft Seal



Double Mechanical Shaft Seal



Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
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				

Shaft seals for LKH Evap 70

Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
Single shaft seal (Standard)						
□		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
Service kit for single shaft seal C/SiC					
♦	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 for single shaft seal SiC/SiC					
◇	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 for flushed shaft seal C/SiC					
*	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 for flushed shaft seal SiC/SiC					
⊛	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 for double mechanical shaft seal C/SiC					
△	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
Service kit for double mechanical shaft seal SiC/SiC					
•	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.

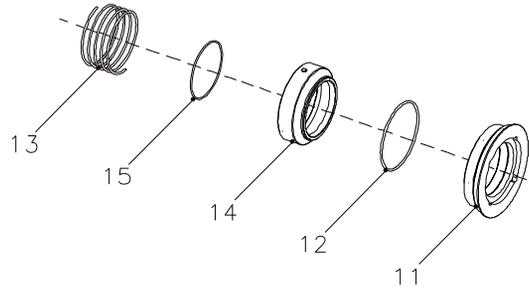
Conversion single to flushed shaft seal : Please order flushed service kit + pos. 40 + 41 + 42 (LKH Evap10-60 + pos. 10)

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

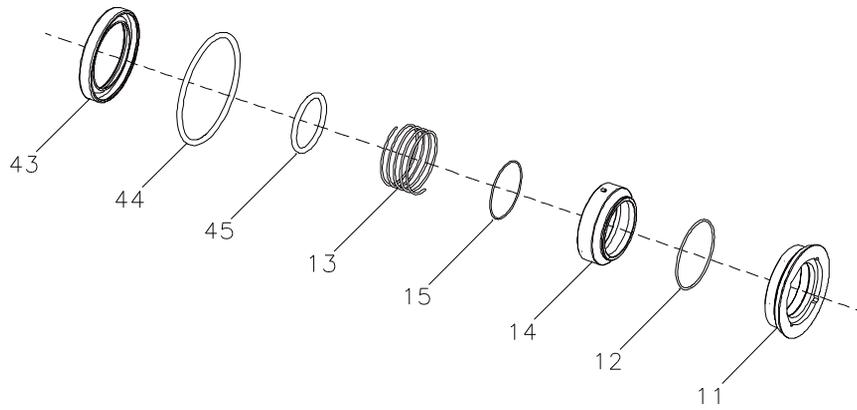
(900589/8)

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

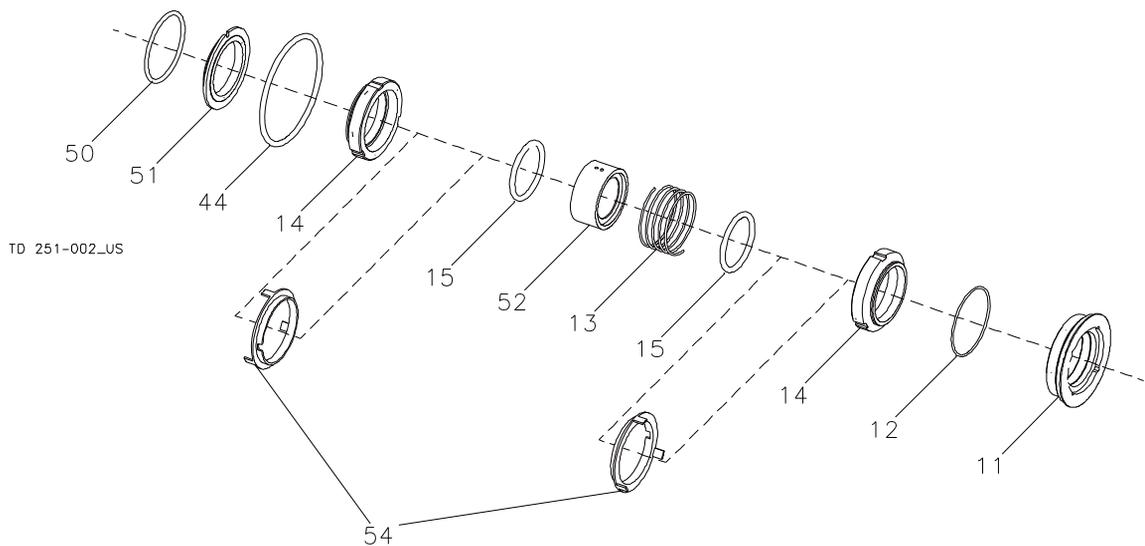
Single Shaft Seal



Flushed Shaft Seal



Mechanical Shaft Seal



TD 251-002_US

LKH Evap -70/75

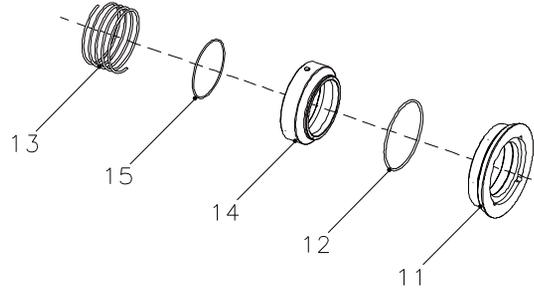
Pos	Qty	Denomination	LKH Evap 10-20	LKH Evap 25-60	LKH Evap 70-75
Accessories					
	1	Tool complete	9612137101	9612903701	9612903701
Parts for Flushed Shaft Seal					
40	1	Seal housing (period -12. 2014)	9612133901	9612133901	9612514401
	1	Seal housing (period 12. 2014-)	9612133903	9612133903	9612514403
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
Parts for Double Mechanical Shaft Seal					
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
Drive ring					
10	1	Drive ring, Single shaft seal steel	9614206001	9614206001	9612514901
	1	Drive ring, Flushed shaft seal	9612139701	9612139701	

LKH Evap 10-60

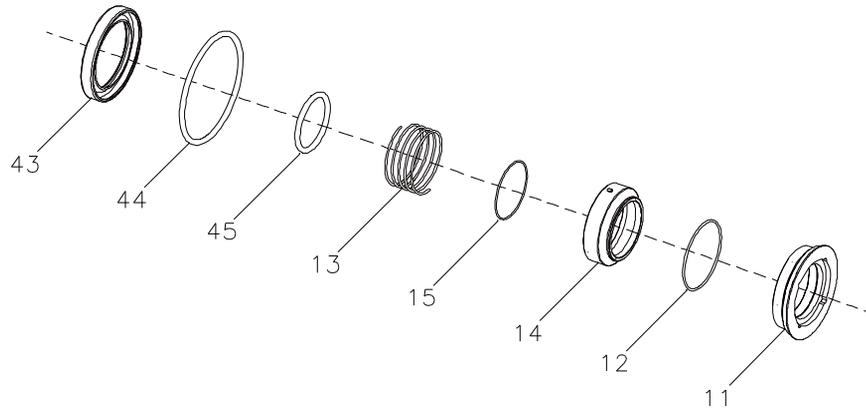
Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
Single shaft seal (standard)						
□		Complete shaft seal C/SiC	9612129609	9612129610	9612129611	9612129612
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
Alternatives for single shaft seal						
♦		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				
Flushed shaft seal (standard)						
○		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				
Alternatives for flushed shaft seal						
★		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				
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				

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

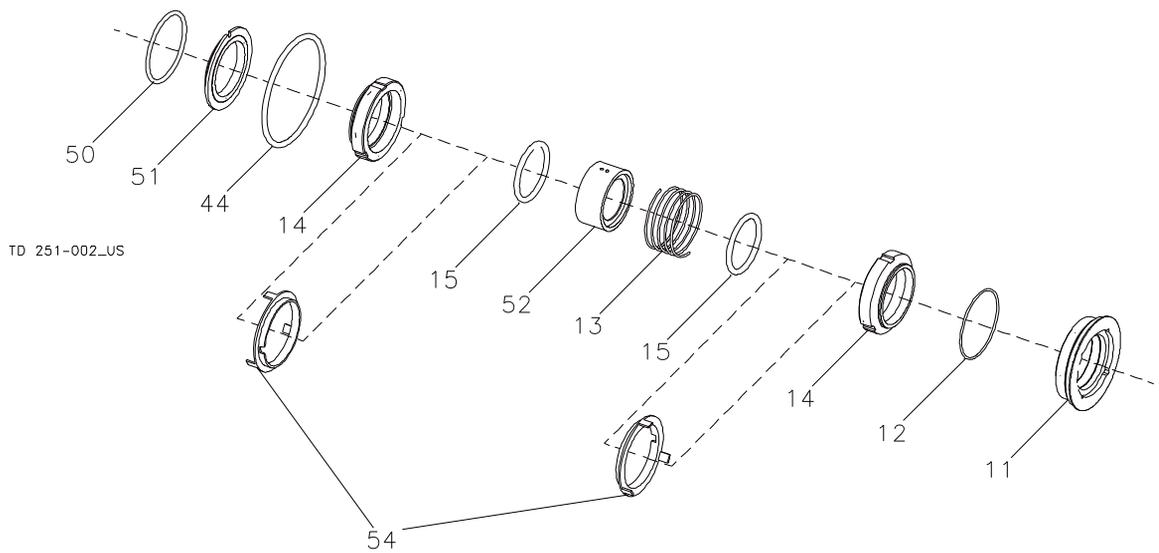
Single Shaft Seal



Flushed Shaft Seal



Mechanical Shaft Seal



TD 251-002_US

LKH Evap -70/75

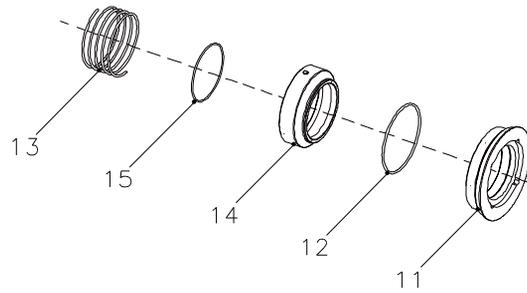
Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
Alternatives for Double Mechanical shaft seal						
▲		Complete shaft seal SiC/SiC	9612129617	9612129618	9612129619	9612129620
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal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

LKH Evap 70-75

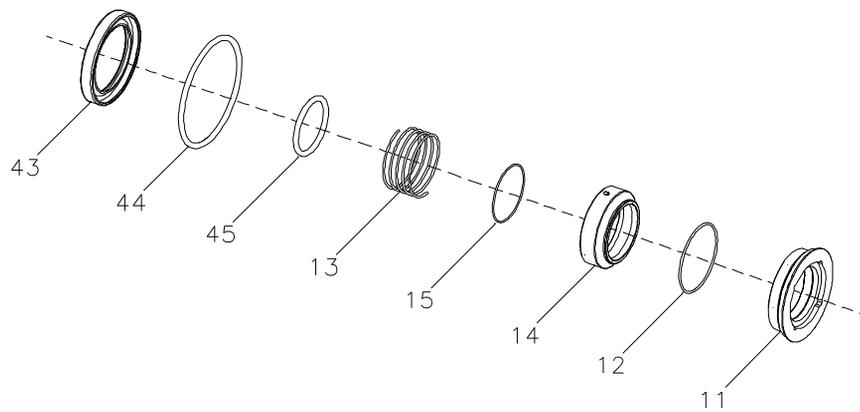
Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
Single shaft seal (standard)						
□		Complete shaft seal C/SiC	9612515101	9612515102	9612515103	9612515104
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	1	Rotating seal ring, carbon				
15	1	O-ring				
Alternatives for single shaft seal						
♦		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)						
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

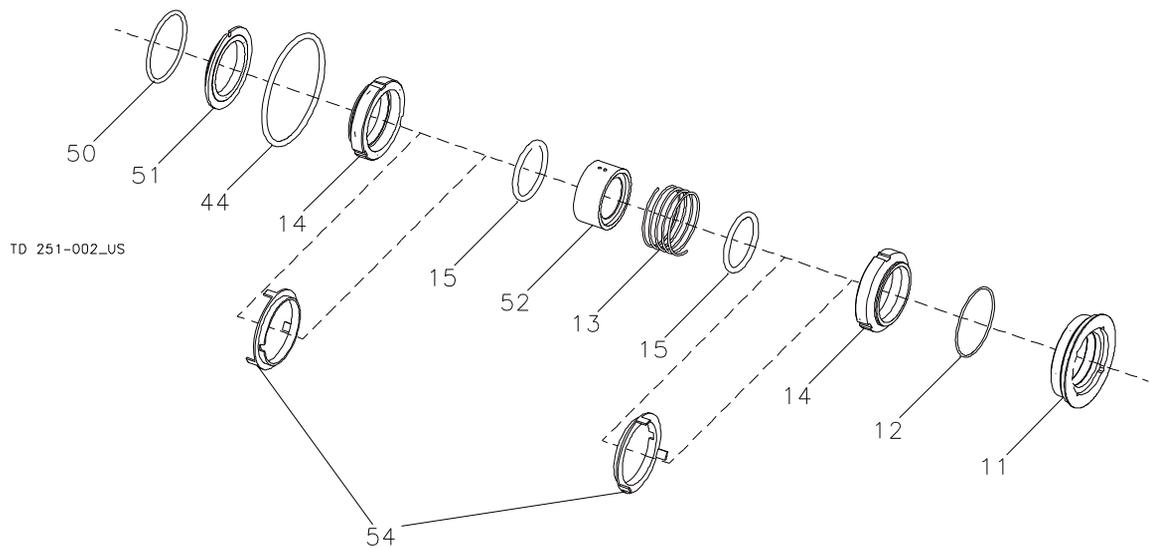
Single Shaft Seal



Flushed Shaft Seal



Mechanical Shaft Seal



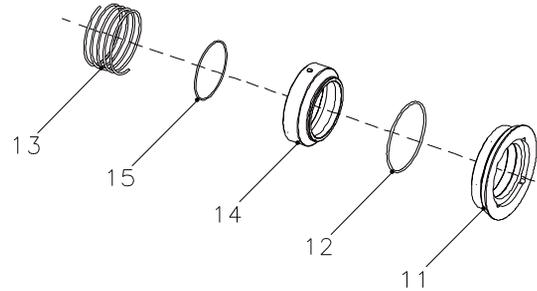
TD 251-002_US

LKH Evap -70/75

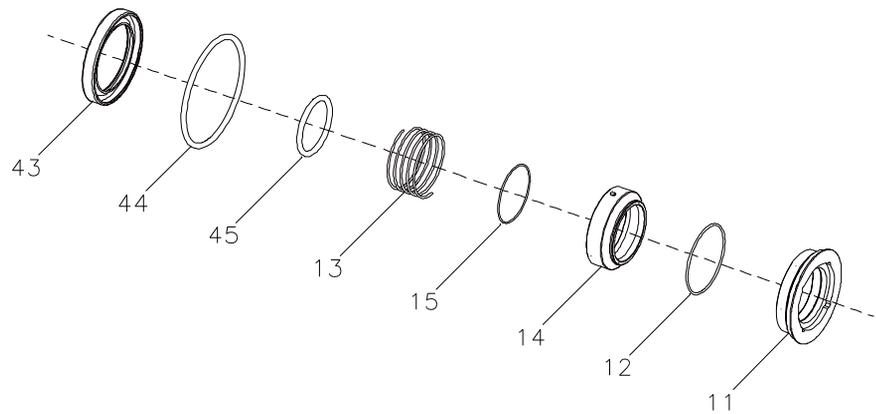
Pos	Qty	Denomination	EPDM	NBR	FPM	FEP
Alternatives for Double Mechanical shaft seal						
▲		Complete shaft seal SiC/SiC	9612515121	9612515122	9612515123	9612515124
11	1	Stationary seal ring, SiC				
12	1	O-ring				
13	1	Spring				
14	2	Rotating seal ring, SiC				
15	2	O-ring				
44	1	O-ring for seal housing EPDM				
50	1	O-ring, EPDM				
51	1	Sec. stationary seal ring				
52	1	Drive ring				
54	2	Cup				
			EPDM	NBR	FPM	FEP
Service kit for single shaft seal C/SiC						
□		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	
Service kit for single shaft seal SiC/SiC						
♦		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	
Service kit for flushed shaft seal C/SiC						
○		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	
Service kit for flushed shaft seal SiC/SiC						
*		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	
Service kit for double mechanical shaft seal C/SiC						
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

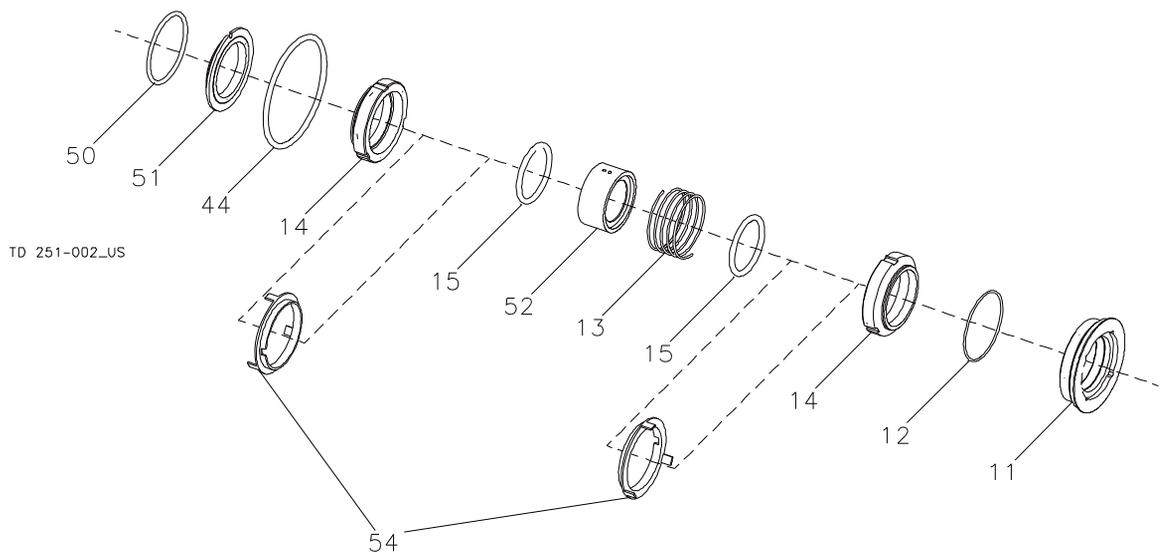
Single Shaft Seal



Flushed Shaft Seal



Mechanical Shaft Seal



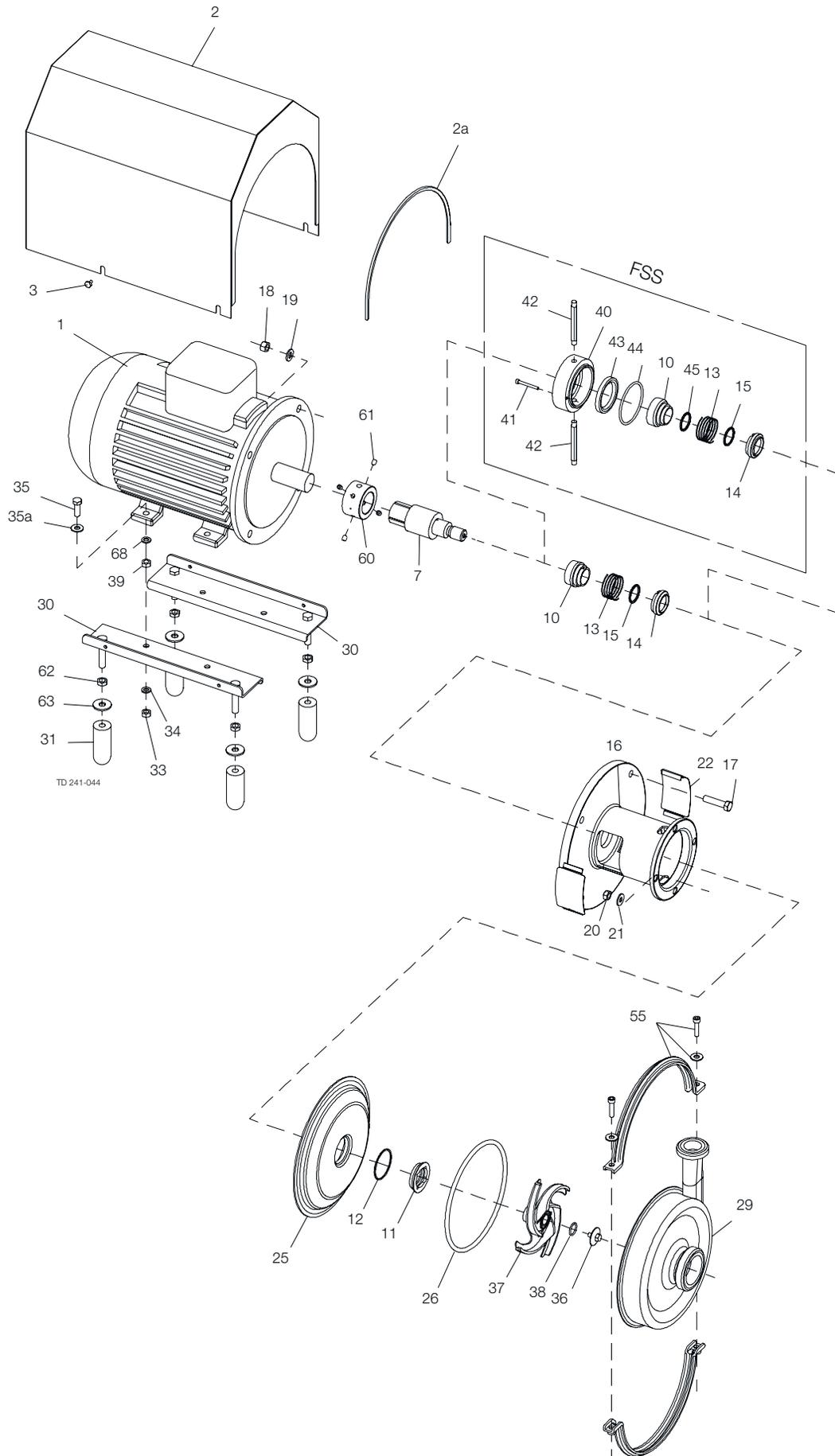
TD 251-002_US

LKH Evap -70/75

		EPDM	NBR	FPM	FEP
Service kit for double mechanical shaft seal SiC/SiC					
▲	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	

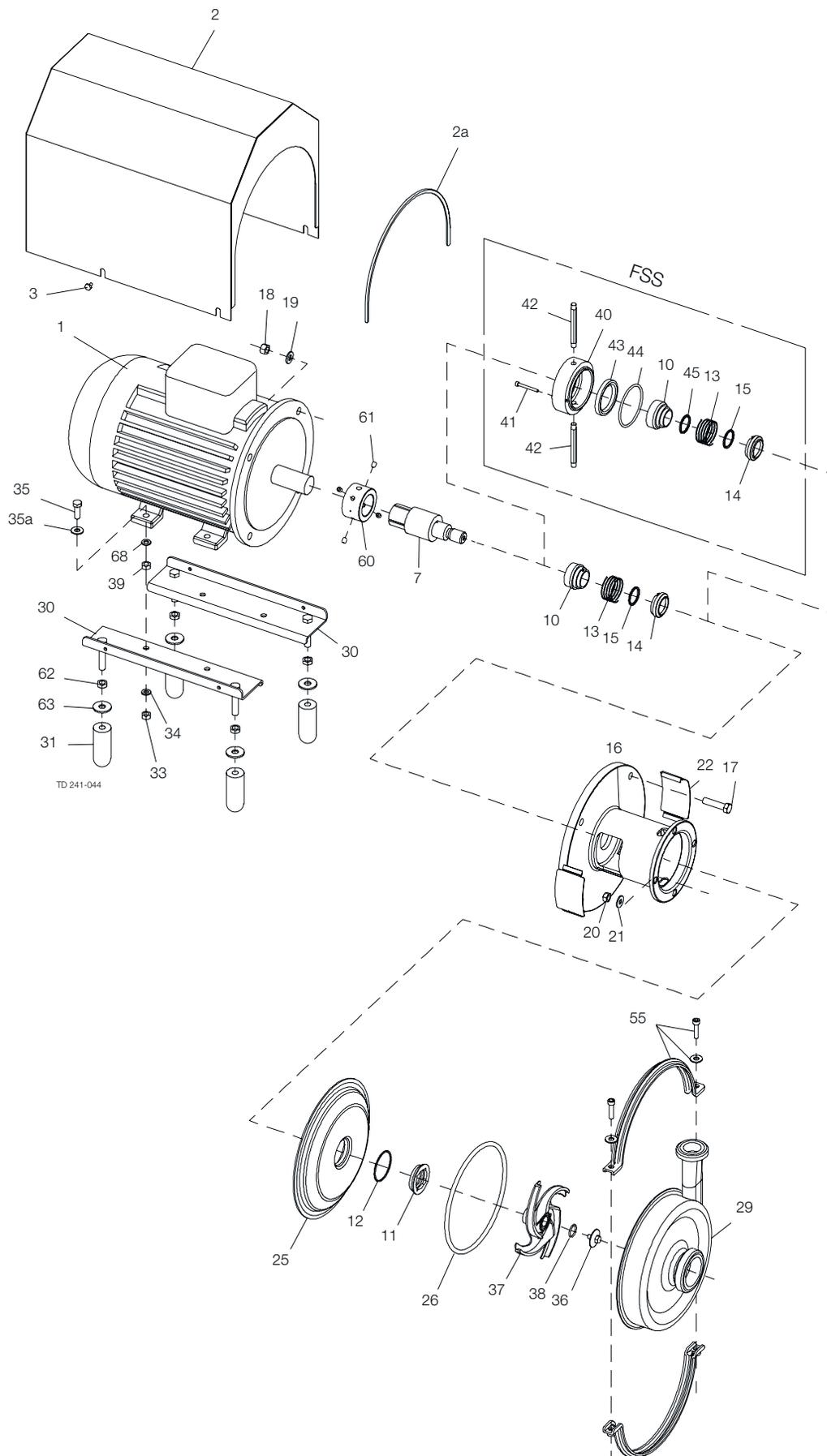
Parts marked with ◻♦○★▲ are included in the service kits
 Recommended spare parts: Service kits.

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
 (900590/7)



Pos	Qty	Denomination	Solid C1	Solid C2	Solid C3	Solid C4
			IEC90-IEC112	IEC100-IEC160	IEC132-IEC160	IEC132-IEC160
Pump casing std. blasted						
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
Pump casing Mech Ra ≤ 0.8						
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
	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
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	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	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, 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
Wed end						
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



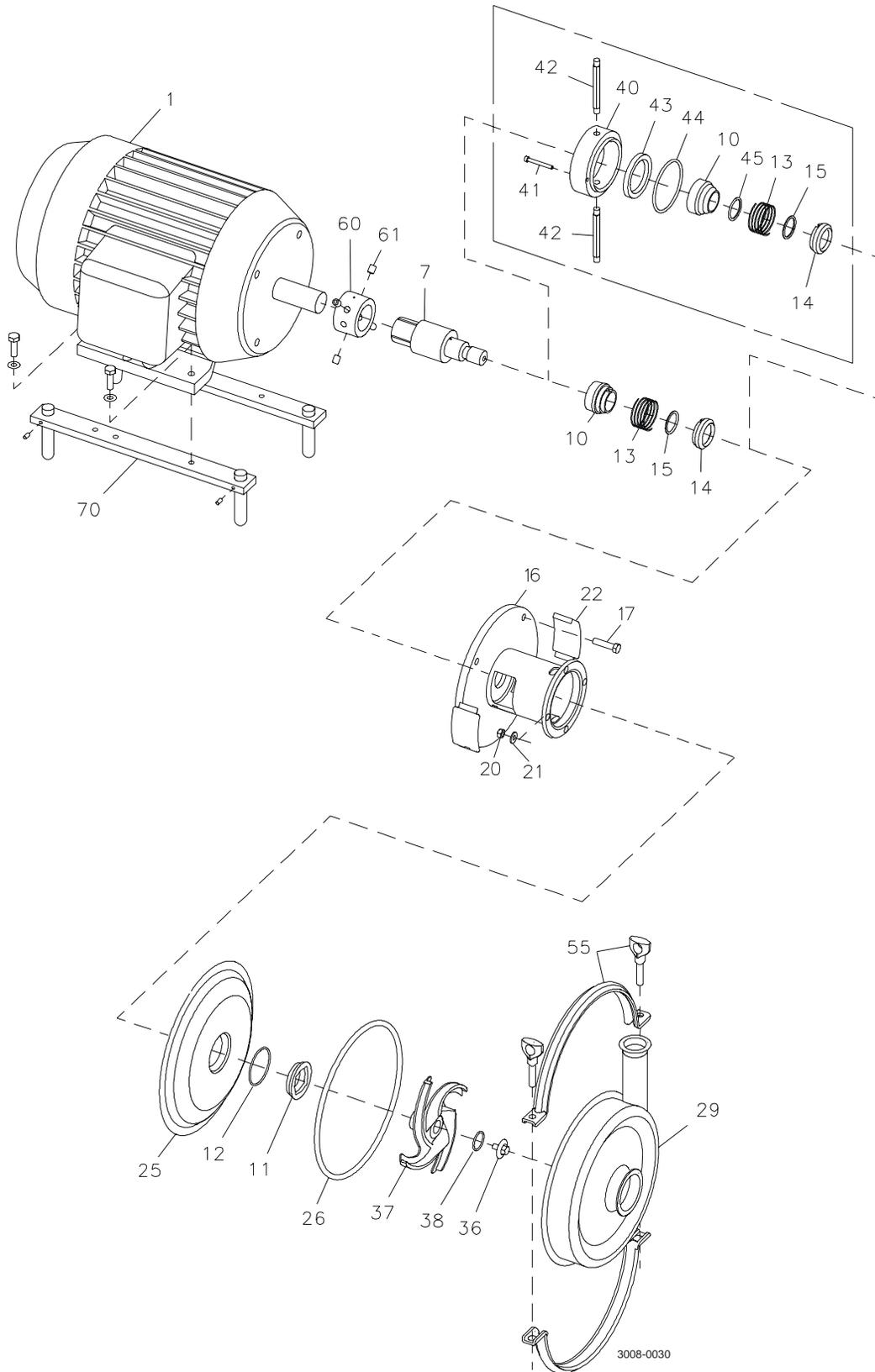
TD 241-044

Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160	IEC160
Motor dependent parts								
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
Motor dependent parts							
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

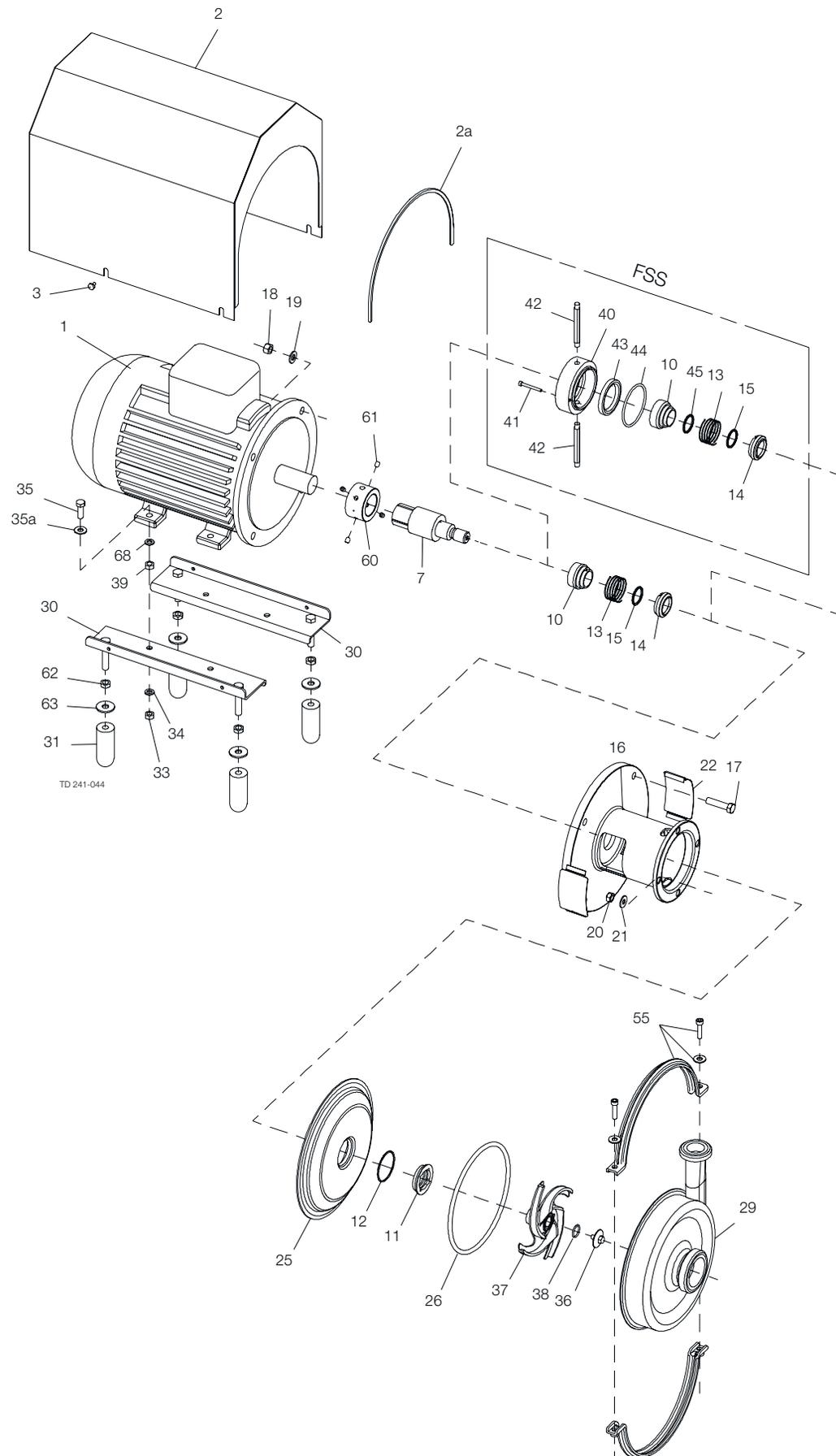
Pos	Qty	Denomination	1.5Hp	2Hp	3Hp	5Hp	7.5Hp
1	1	Motor 3600rpm	9613601623	9613601624	9613601625	9613601626	9613601627

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

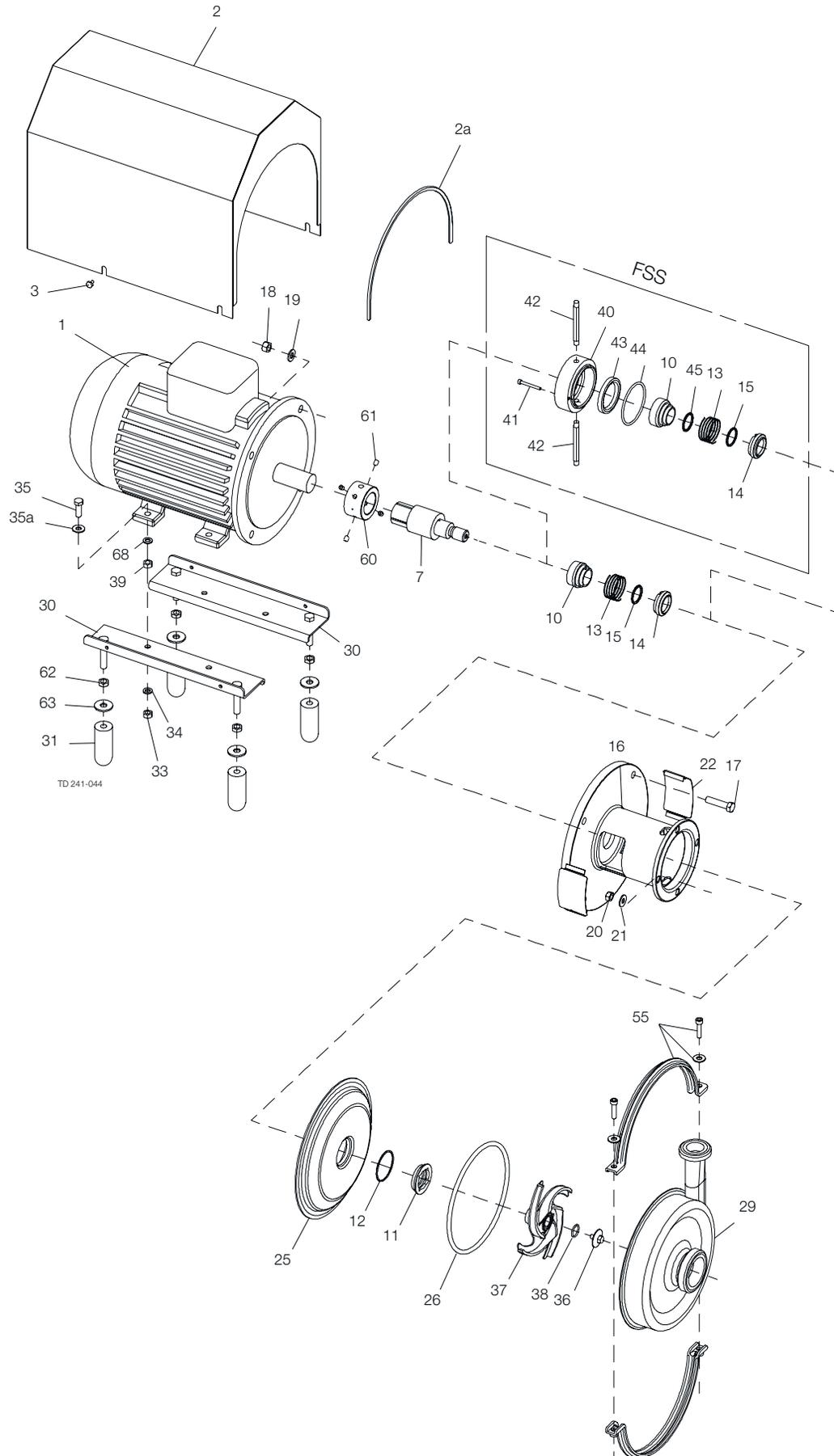
Pos	Qty	Denomination	7.5Hp	10Hp
1	1	Motor 1800rpm	9613601692	9613601693

3/60/208/230-460 - Standard



Pos	Qty	Denomination	SolidC 1 - 4
Accessories			
1	1	Tool for seal	9612903601
	1	Impeller gauge	9612912801
Parts for flushed shaft seal			
40	1	Seal housing	9612133901
41	2	Screw for seal housing	9611990203
42	2	Tube	9612358914
Drive ring			
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
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				

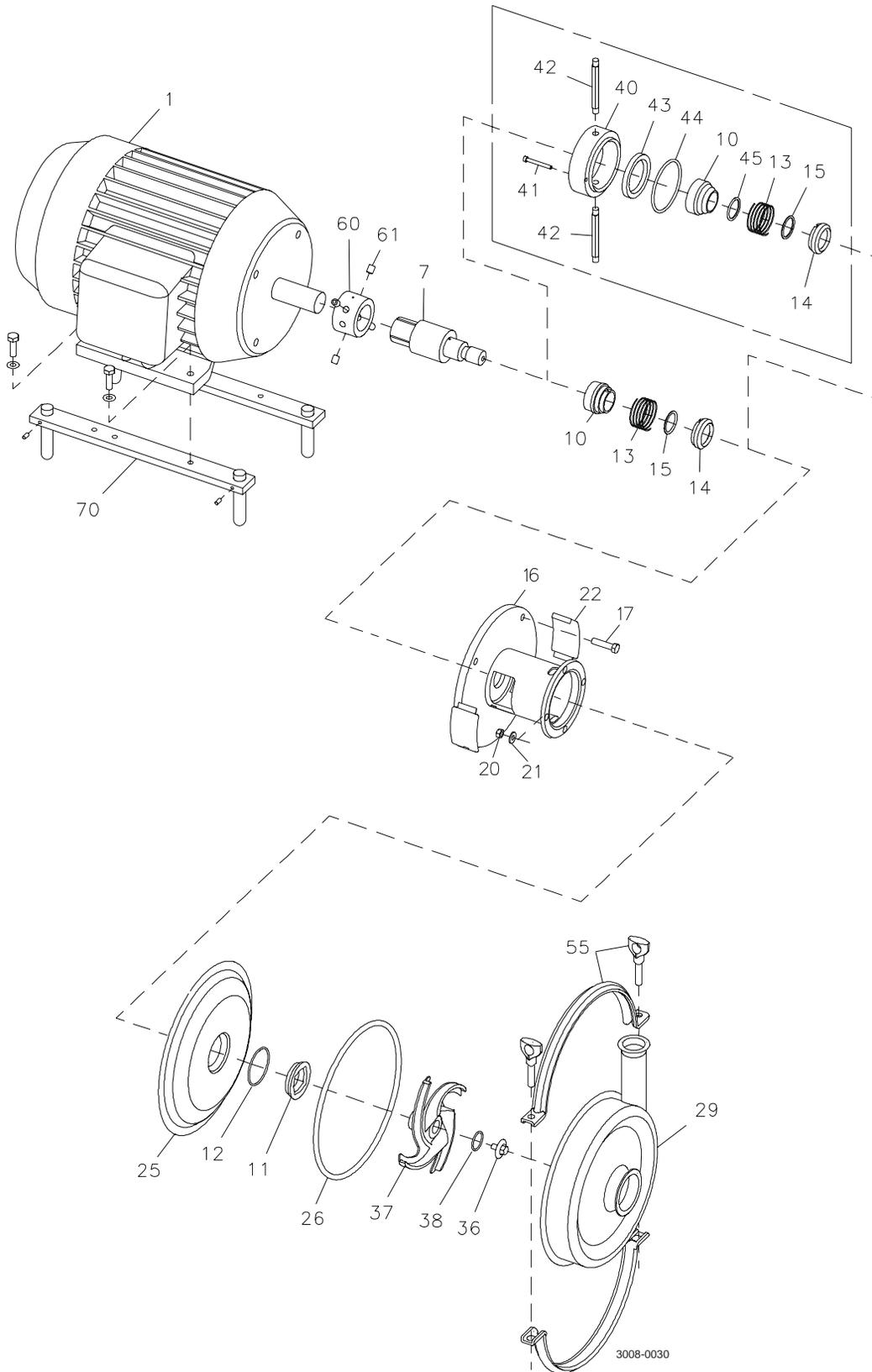


		EPDM	NBR	FPM	FEP
Service kit for single shaft seal C/SiC					
□	Service kit, C/SiC (SolidC-1)	9611922454	9611922455	9611922456	9611922457
□	Service kit, C/SiC (SolidC-2)	9611922471	9611922472	9611922473	9611922474
□	Service kit, C/SiC (SolidC-3)	9611922487	9611922488	9611922489	9611922490
□	Service kit, C/SiC (SolidC-4)	9611922503	9611922504	9611922505	9611922506
Service kit for single shaft seal SiC/SiC					
○	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
Service kit for flushed shaft seal C/SiC					
◆	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
Service kit for flushed shaft seal SiC/SiC					
*	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

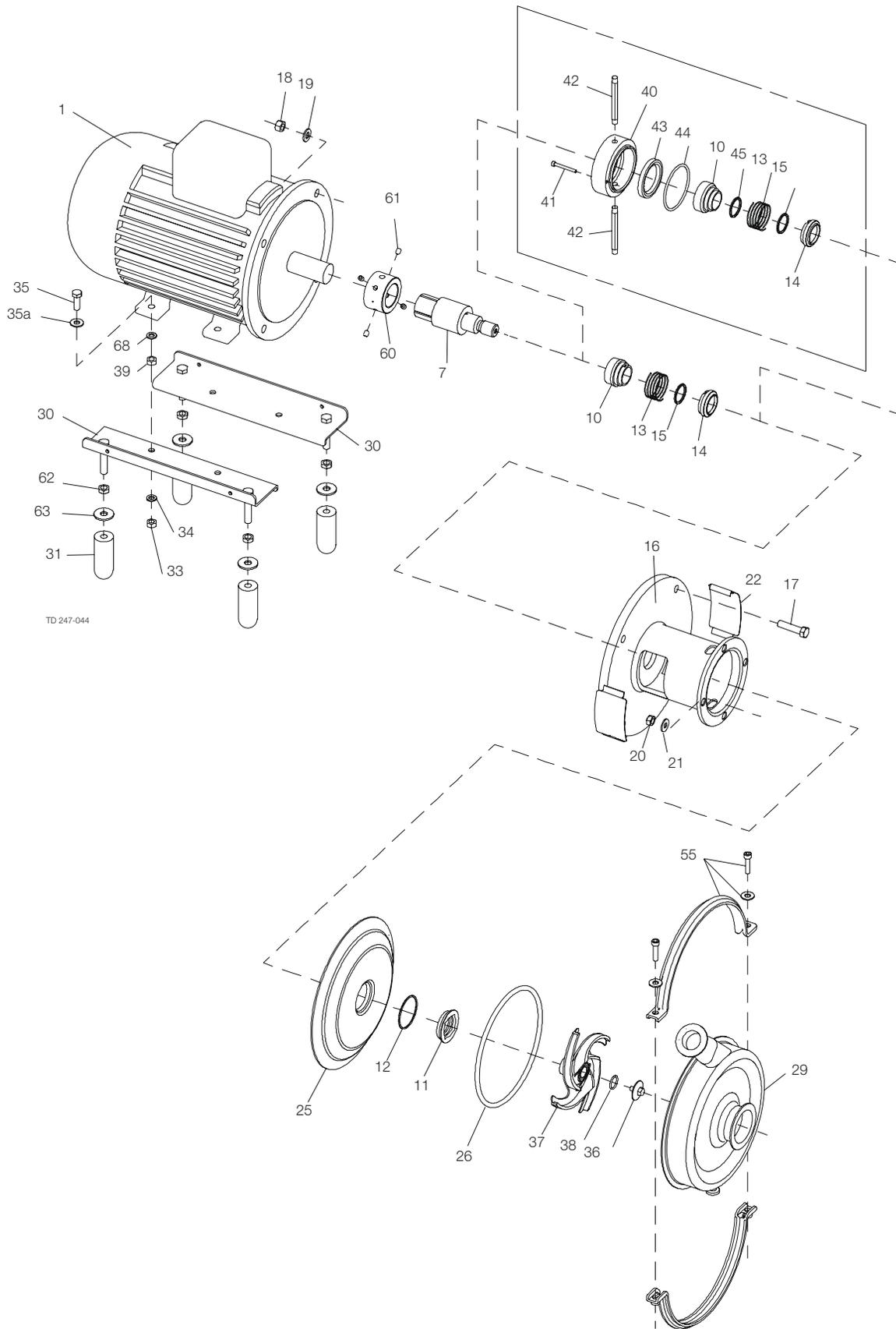
★⊕		Complete shaft seal, SiC/SiC	9612919305	9612919306	9612919307	9612919308
11	1	Stationary seal ring, SiC				
12	1	O-ring, EPDM				
13	1	Spring				
14	1	Rotating seal ring, SiC				
15	1	O-ring, EPDM				
43	1	Lip seal				
44	1	O-ring for seal housing EPDM				
45	1	O-ring for drive ring				

		EPDM	NBR	FPM	FEP
Service kit for single shaft seal C/SiC					
□	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
Service kit for single shaft seal SiC/SiC					
○	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
Service kit for flushed shaft seal C/SiC					
◆	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
Service kit for flushed shaft seal SiC/SiC					
*	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.

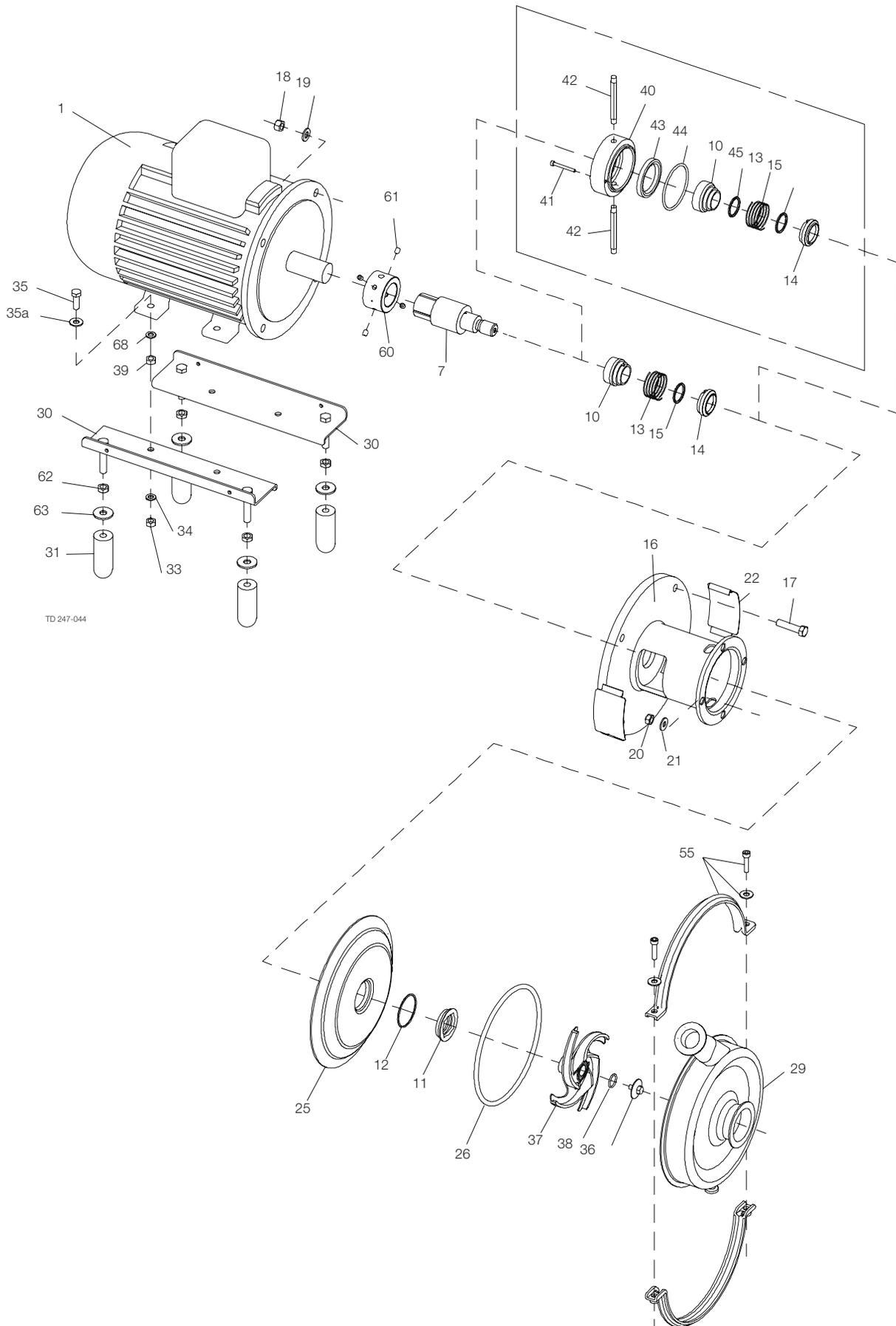
Recommended spare parts: Service kits.

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
Casing Mech Ra ≤ 0.5						
29	1	Casing, Tri-clamp 45 deg with 1/2" drain	9613465125	9613465126	9613465127	9613465128
Casing Mech Ra ≤ 0.8						
	1	Casing, Tri-clamp 45 deg with 1/2" drain	9613465133	9613465134	9613465135	9613465136
Casing EP Ra ≤ 0.4						
	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 www.alfalaval.com/certificates						
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
Pump casing Ra ≤ 0.5 µm						
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
Pump casing Ra 0.8 ≤ 0.8 µm						
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
Pump casing Ra ≤ 0.4 µm						
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



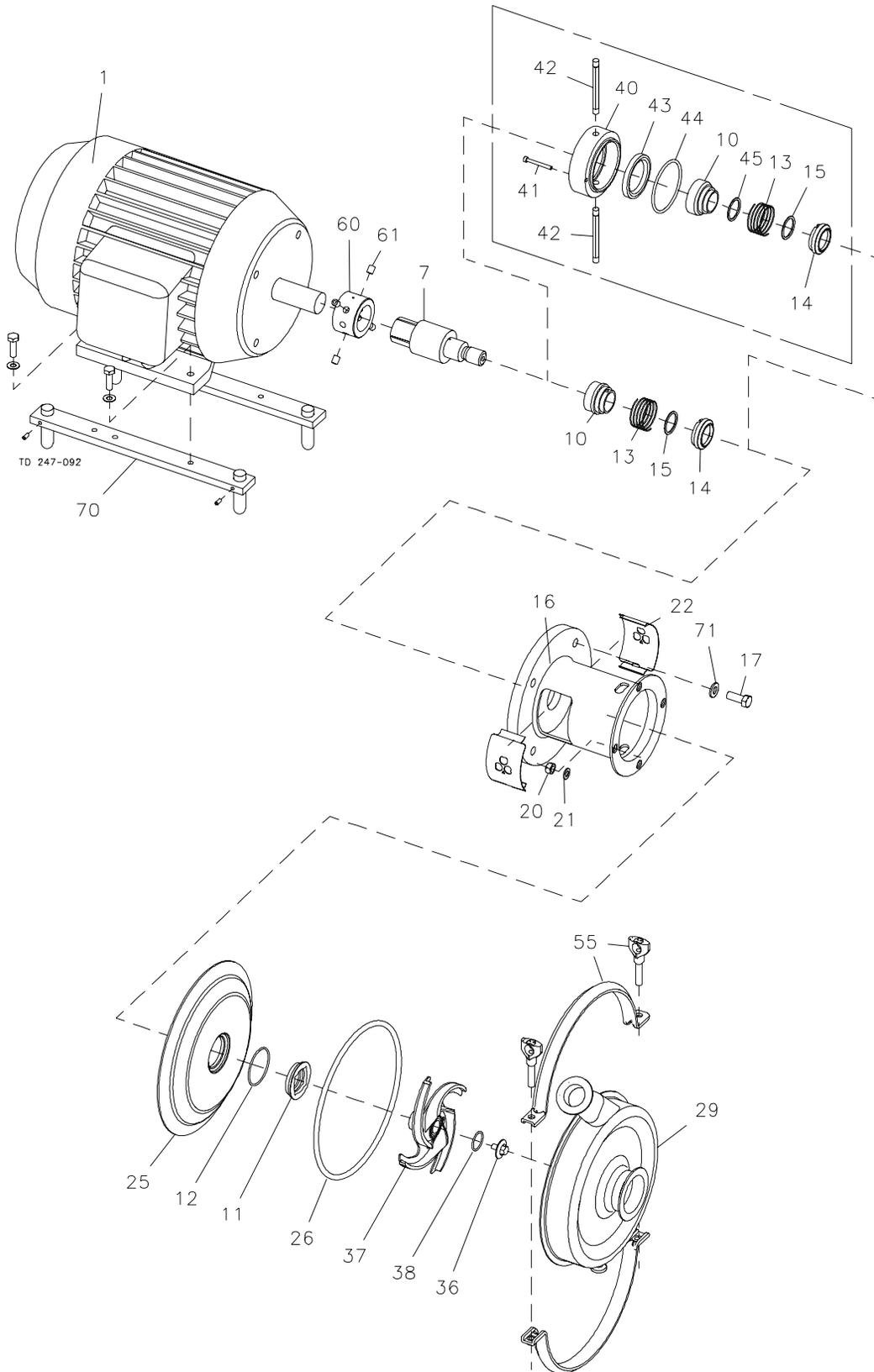
Pos	Qty	Denomination	IEC90	IEC100	IEC112	IEC132	IEC160	IEC160
7	1	Shaft	9612913201	9612913301	9612913301	9612913401	9612913501	9612913501
16	1	Adaptor	9613459301	9613459302	9613459302	9613459303	9613459304	9613459304
17	4	Screw, for motorflange	9611991374	9611992162	9611992162	9611992162	9611992164	9611992164
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

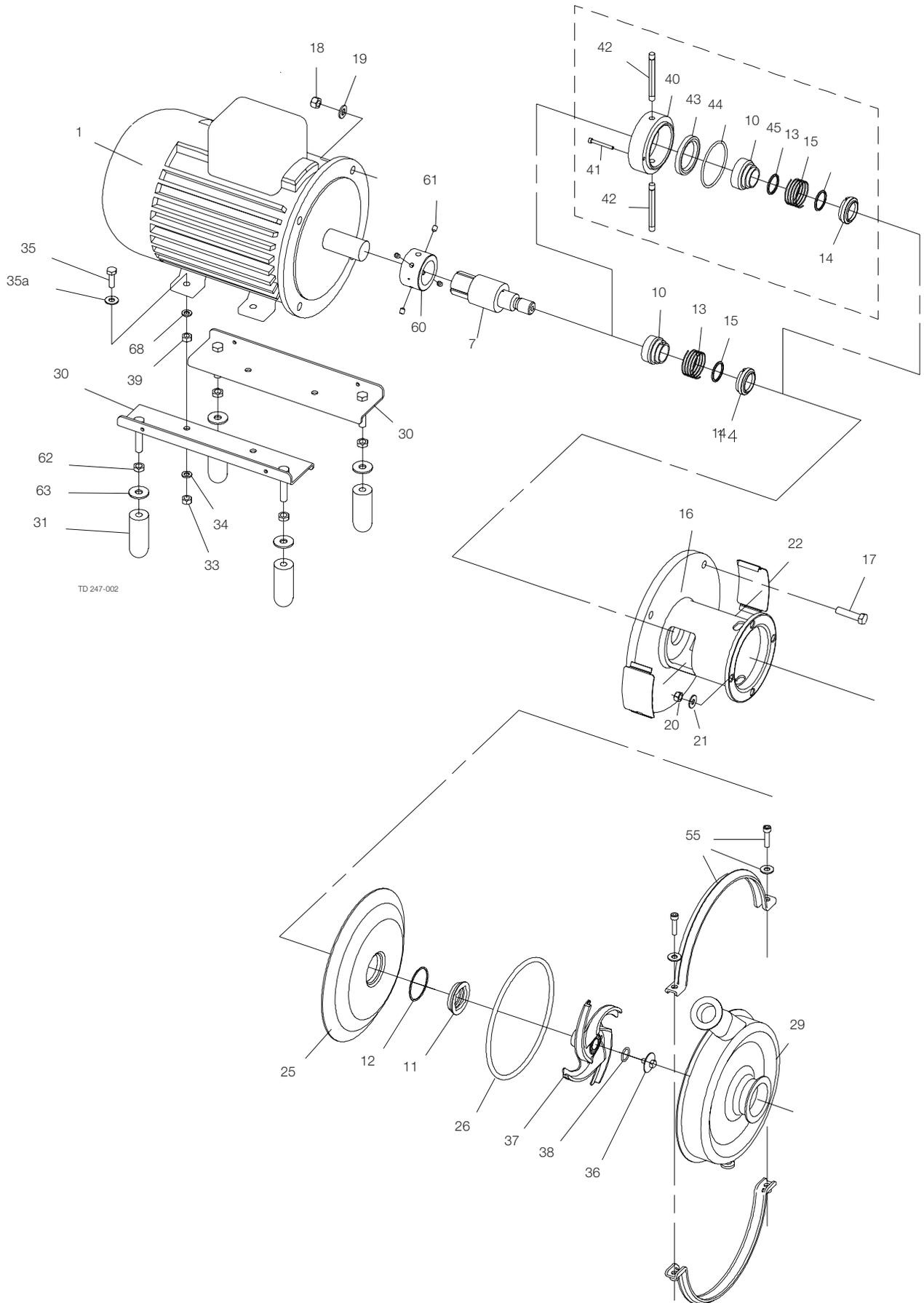
Pos	Qty	Denomination	1.5 Hp	2 Hp	3 Hp	5 Hp	7.5 Hp
1	1	Motor 3600 rpm	9613601623	9613601624	9613601625	9613601626	9613601627

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

Pos	Qty	Denomination	EPDM	FPM	FEP
Single shaft seal					
		■ 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			
Flushed shaft seal					
		◆ 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
Service kit for single shaft seal SiC/SiC			
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

Service kit for flushed shaft seal SiC/SiC			
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

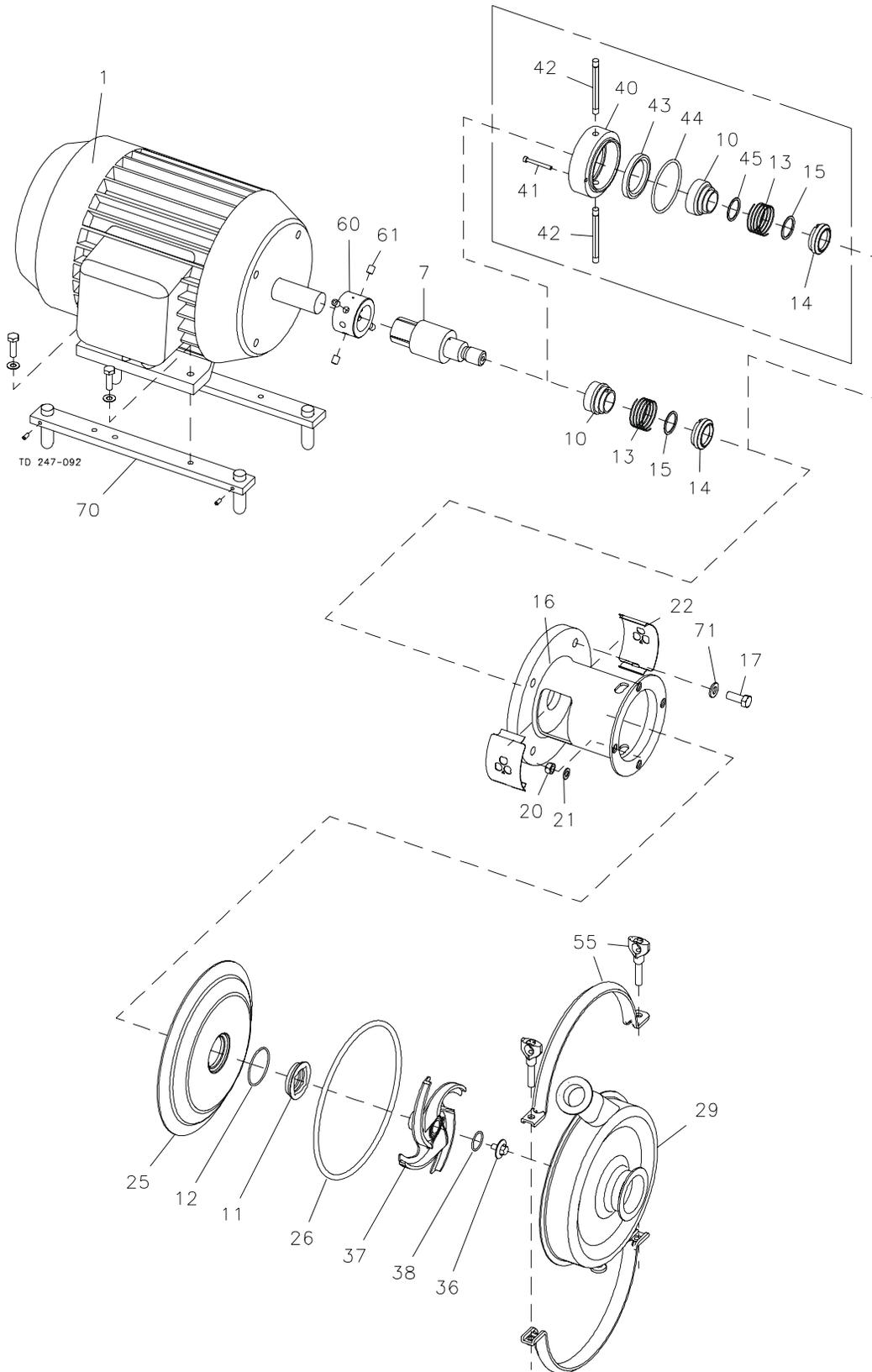
Note: All service kits are as standard delivered with Q-doc, including 3.1 certification on product wetted steel parts and declarations of conformity.

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		
Accessories					
1	1	Tool for seal	9612903601		
	1	Impeller gauge	9613601680		
Parts for flushed shaft seal					
40	1	Seal housing	9612133901		
42	2	Tube	9612358915		
41	2	Screw for seal housing	9611990203		
Drive ring					
10	1	Drive ring, Single shaft seal	9614206001		
	1	Drive ring, Flushed shaft seal	9612926801		

Pos	Qty	Denomination	EPDM	FPM	FEP
Single shaft seal with heat marking					
■		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			
Flushed shaft seal with heat marking					
▲		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

Service kit for single shaft seal SiC/SiC					
■		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

Service kit for flushed shaft seal SiC/SiC					
▲		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

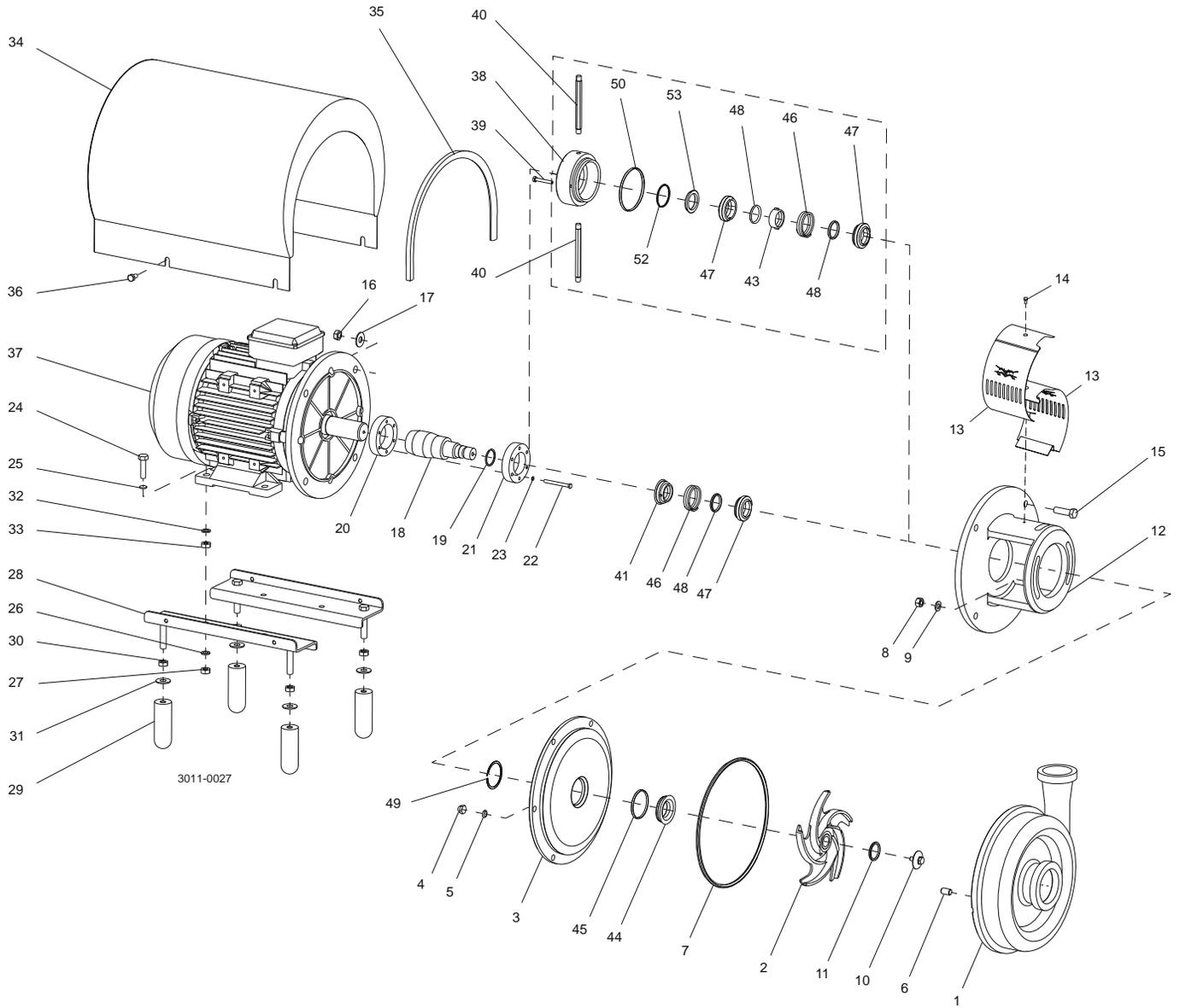
Parts marked with ▲■ are included in the service kits.

Recommended spare parts: Service kits.

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

(900627/4)

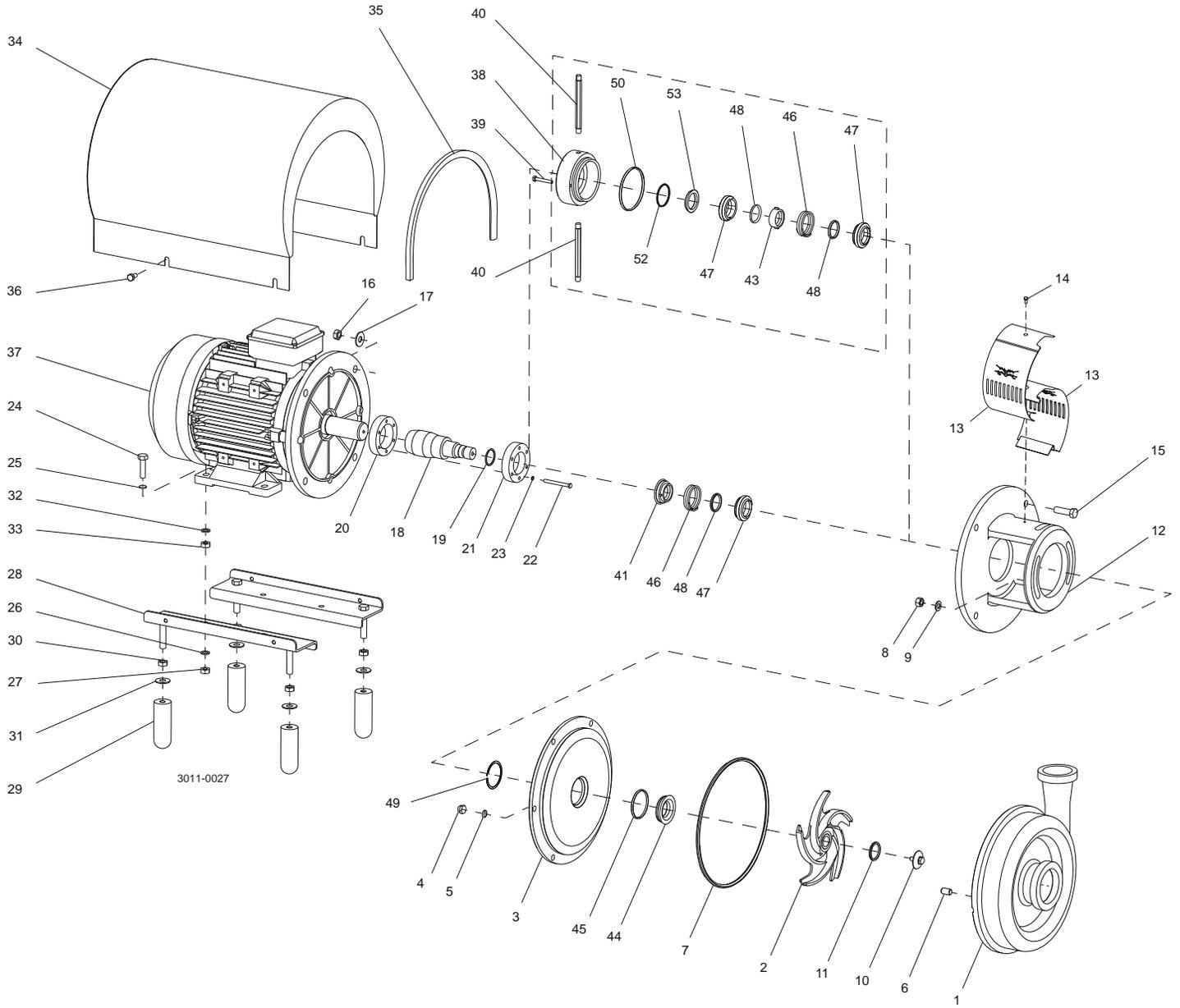
DMSS = Double Mechanical Shaft Seal



Wet end

Pos	Qty	Denomination	i-CP2010	i-CP2020	i-CP2025	i-CP2035	i-CP2040	i-CP2050
			1.5-4kW	1.5-7.5kW	4-15kW	4-15kW	7.5-22kW	5.5-22kW
Shot blasted Ra ≤ 1.6 µm								
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
Shot blasted Ra ≤ 1.6 µm 45 outlet 1/2" drain								
	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
Shot blasted Ra ≤ 1.6 µm								
2	1	Impeller	9612131202	9612131402	9612425202	9612434102	9612131802	9612132002
3	1	Backplate	9613479601	9613479602	9613479603	9613479603	9613479604	9613479604
10	1	Impeller screw	9612139601	9612139601	9612139601	9612139601	9612139601	9612139601
Polished Ra ≤ 0.8 µm								
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
Polished Ra ≤ 0.8 µm 45 outlet 1/2" drain								
	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
Polished Ra ≤ 0.8 µm								
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 f pump casing EPDM	9611992137	9611992141	9611992983	9611992983	9611992171	9611992171
		O-ring f pump casing NBR	9611992139	9611992143	9611992984	9611992984	9611992173	9611992173
		O-ring f pump casing FPM	9611992138	9611992142	9611992985	9611992985	9611992172	9611992172
8	2	Nut	9611990353	9611990353	9611990353	9611990353	9611990353	9611990353
9	2	Washer	9611992559	9611992559	9611992559	9611992559	9611992559	9611992559
11	□♦○★	O-ring f impeller screw						
		EPDM	9611992145	9611992145	9611992145	9611992145	9611992145	9611992145
		O-ring f impeller screw NBR	9611992147	9611992147	9611992147	9611992147	9611992147	9611992147
		O-ring f impeller screw FPM	9611992146	9611992146	9611992146	9611992146	9611992146	9611992146

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

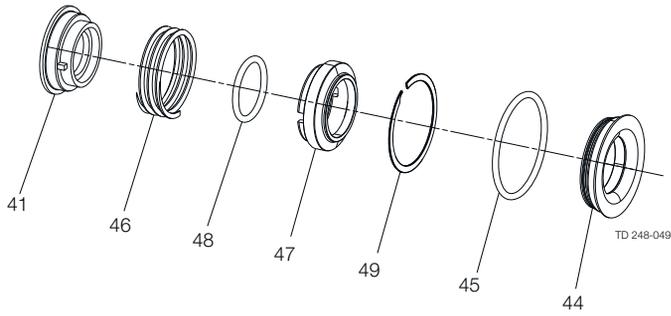
24	4	Screw for legs	9611993241	9611991374	9611991374	9611991911
25	4	Washer for legs		9611990786	9611990786	9611990786
26	4	Spring washer, legs	9611991888	9611991887	9611991887	9611991887
27	4	Nut for legs	9611990360	9611990353	9611990353	9611990353
28	2	Bracket	9612917401	9612917402	9612917403	9612917404
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.34)				
36	4	Screw	9611993240	9611993240	9611993240	9611993240

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

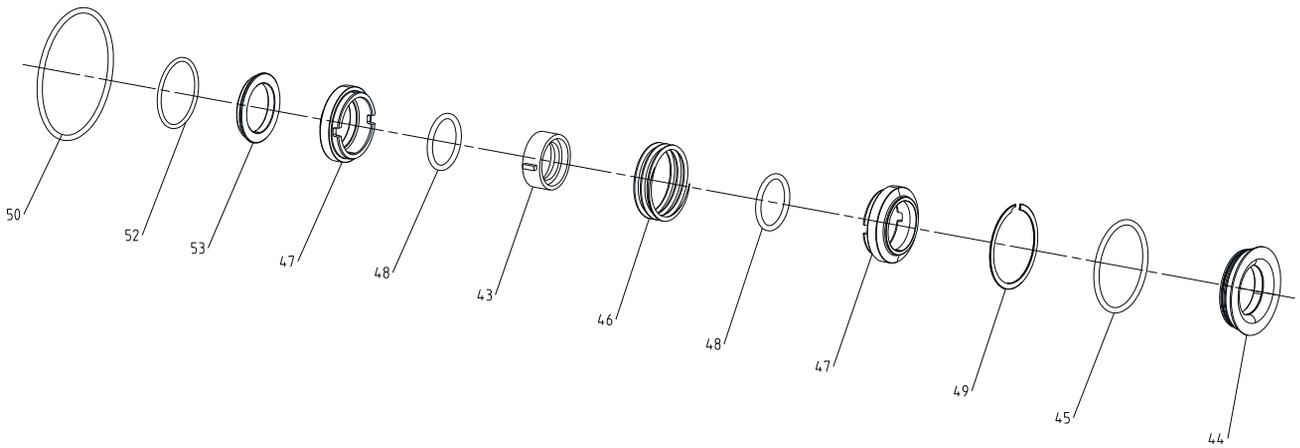
Legs

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

Single shaft seal

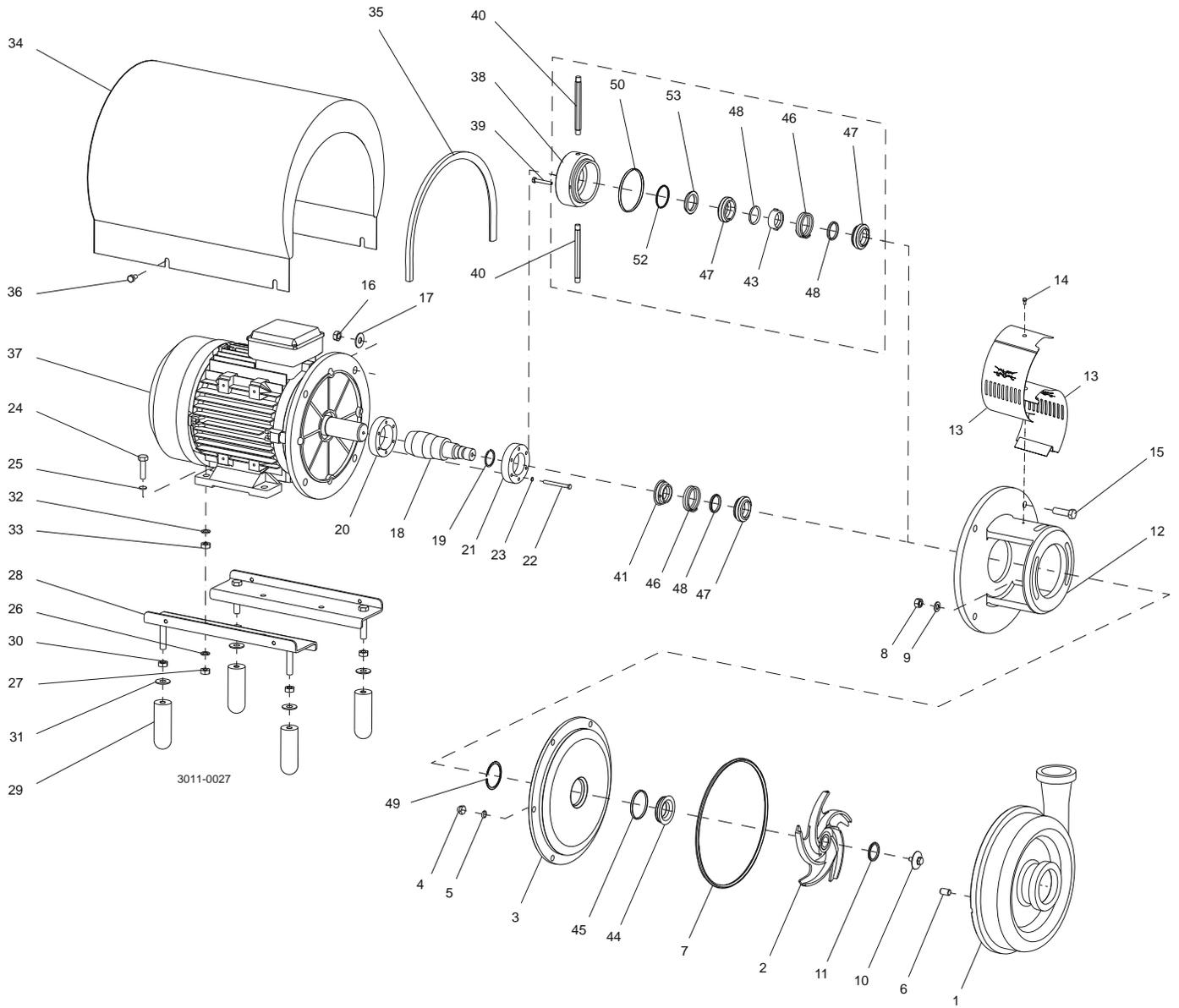


Double Mechanical shaft seal



Shaft seal

Pos	Qty	Denomination	EPDM	NBR	FPM
Single shaft seal					
		□			
		Single shaft seal, C/SiC	9613477001	9613477002	9613477003
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 shaft seal, SiC/SiC	9613477004	9613477005	9613477006
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, C/SiC	9613477013	9613477014	9613477015
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, SiC/SiC	9613477016	9613477017	9613477018
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
Service kit for single shaft seal C/SIC				
□	Service kit, C/SIC (i-CP2010)	9611927033	9611927034	9611927035
□	Service kit, C/SIC (i-CP2020)	9611927061	9611927062	9611927063
□	Service kit, C/SIC (i-CP2025/2035)	9611927067	9611927068	9611927069
□	Service kit, C/SIC (i-CP2040/2050)	9611927073	9611927074	9611927075
Service kit for single shaft seal SIC/SIC				
♦	Service kit, SIC/SIC (i-CP2010)	9611927037	9611927038	9611927039
♦	Service kit, SIC/SIC (i-CP2020)	9611927064	9611927065	9611927066
♦	Service kit, SIC/SIC (i-CP2025/2035)	9611927070	9611927071	9611927072
♦	Service kit, SIC/SIC (i-CP2040/2050)	9611927076	9611927077	9611927078
Service kit for double mechanical shaft seal C/SIC				
○	Service kit, C/SIC (i-CP2010)	9611927049	9611927050	9611927051
○	Service kit, C/SIC (i-CP2020)	9611927079	9611927080	9611927081
○	Service kit, C/SIC (i-CP2025/2035)	9611927085	9611927086	9611927087
○	Service kit, C/SIC (i-CP2040/2050)	9611927091	9611927092	9611927093
Service kit for double mechanical shaft seal SIC/SIC				
*	Service kit, SIC/SIC (i-CP2010)	9611927053	9611927054	9611927055
*	Service kit, SIC/SIC (i-CP2020)	9611927082	9611927083	9611927084
*	Service kit, SIC/SIC (i-CP2025/2035)	9611927088	9611927089	9611927090
*	Service kit, SIC/SIC (i-CP2040/2050)	9611927094	9611927095	9611927096

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

(900561/5)

Pos	Qty	Denomination	i-CP101 1.5-4 kW	i-CP102 3-11 kW	i-CP103 5.5-18.5 kW	i-CP104 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

