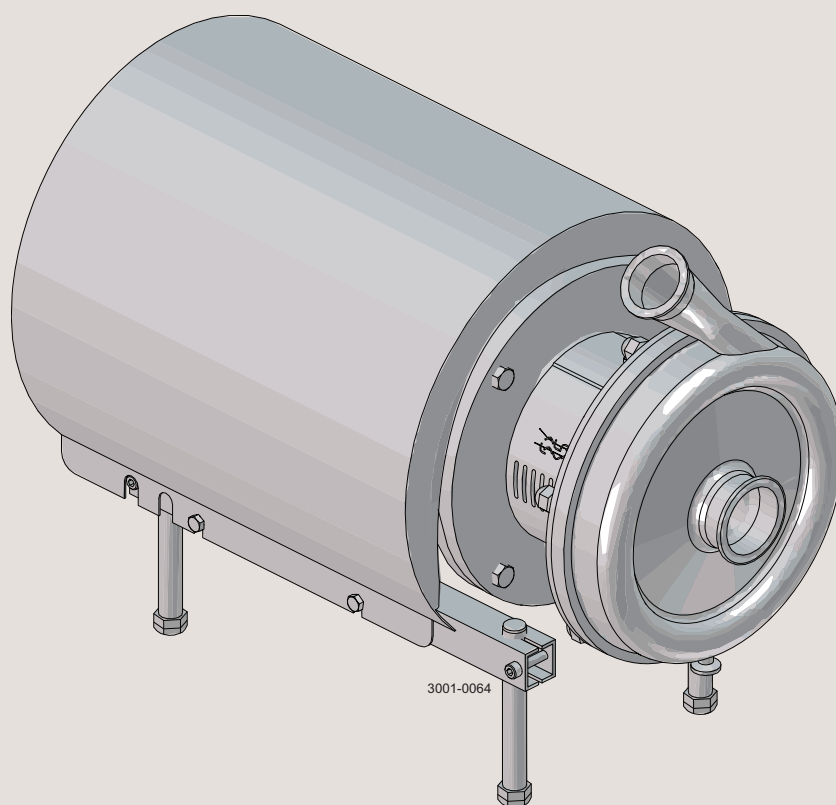




Spare Parts

LKHex UltraPure Centrifugal Pump



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2018-09

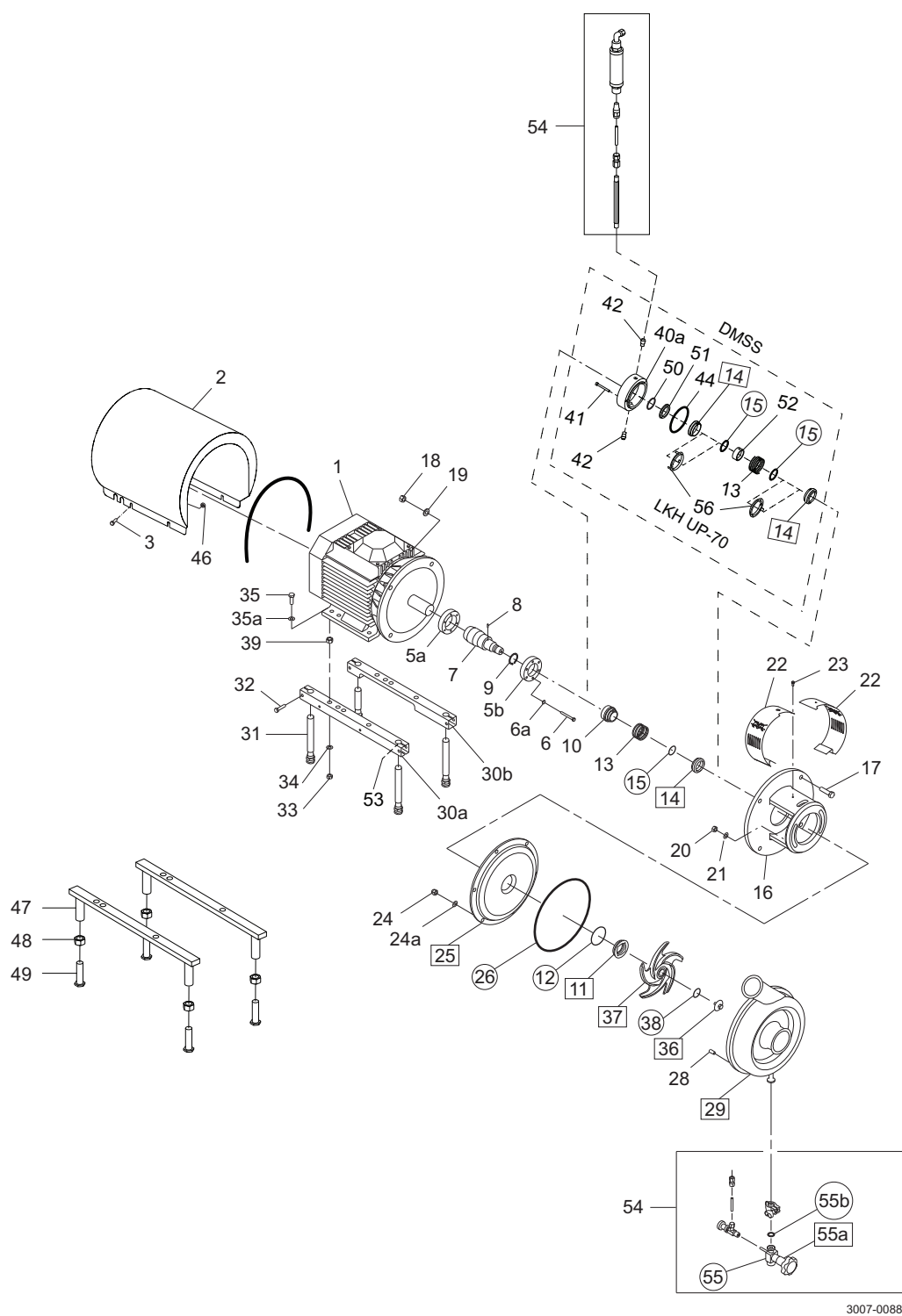
Original manual

The information herein is correct at the time of issue but may be subject to change without prior notice

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2. LKHex UltraPure - Motor dependent parts 8

3. LKHex UltraPure - Shaft seal 12



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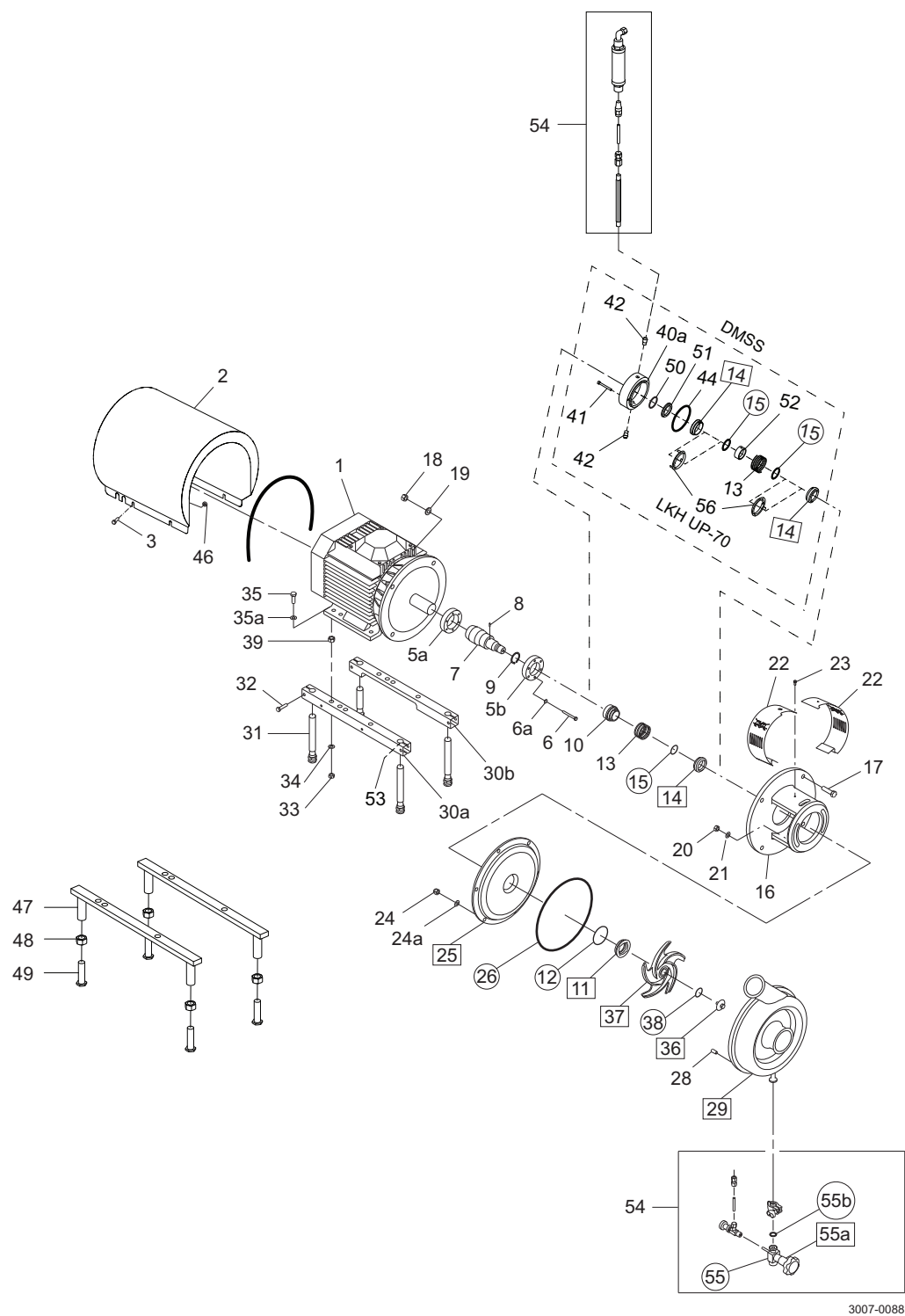
Product wetted steel parts

Product wetted elastomer parts

LKHex UltraPure - Product wetted parts

			Exe	LKHex UP-10	LKHex UP-20	LKHex UP-25	LKHex UP-35
Pos	Qty	Denomination	Exd/Exde	IEC90-IEC132	IEC90-IEC160	IEC132-IEC180	IEC132-IEC180
			IEC90-IEC112	IEC90-IEC132	IEC112-IEC160	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							

			LKHex UP-40	LKHex UP-45	LKHex UP-60	LKHex UP-70
		Exe	IEC160-IEC200	IEC132-IEC180	IEC132-IEC200	IEC160-IEC280
Pos	Qty	Denomination	Exd/Exde	IEC132-IEC180	IEC132-IEC200	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						

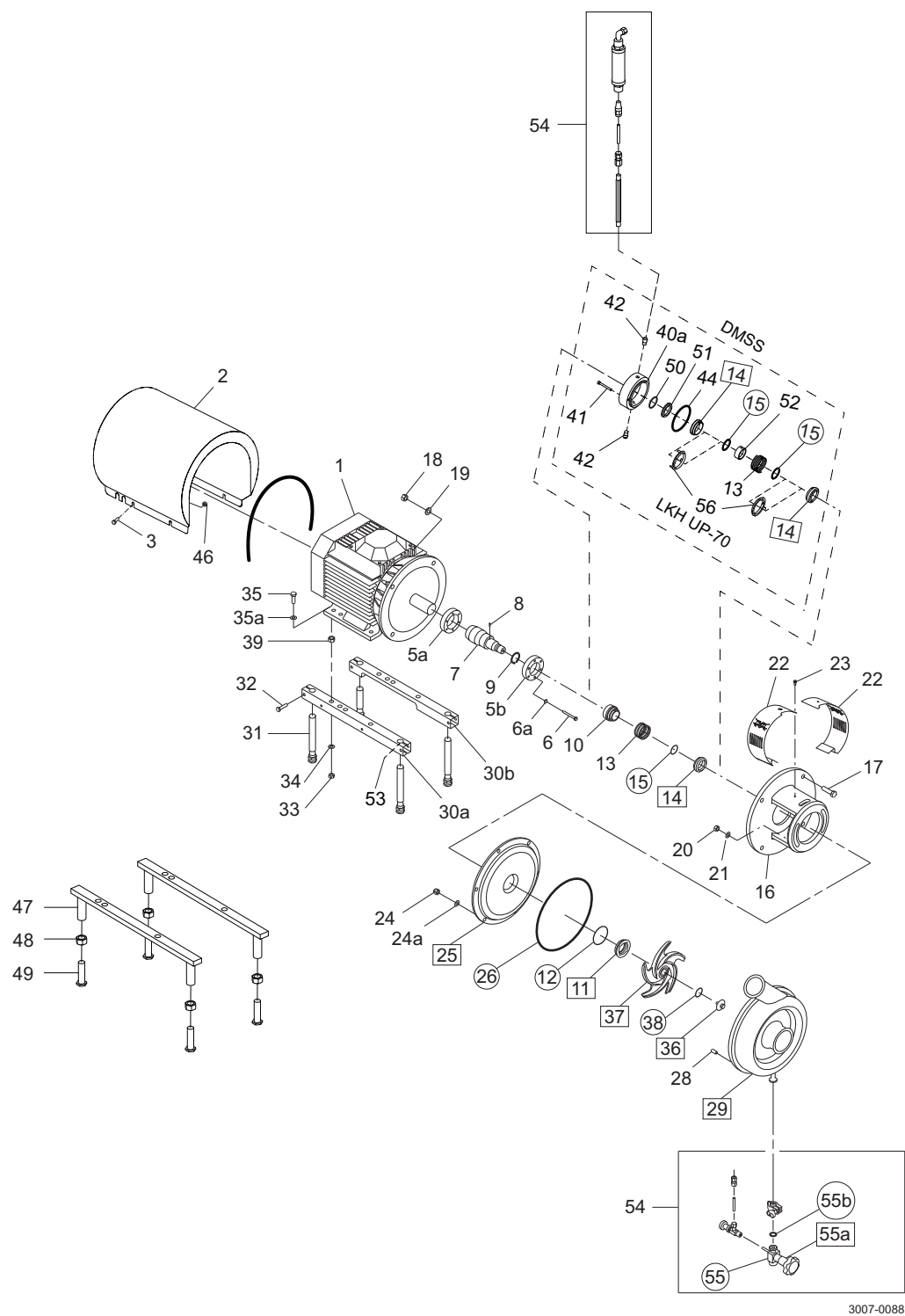


- Product wetted steel parts
- Product wetted elastomer parts

LKHex UltraPure - Product wetted parts

Pos	Qty	Denomination	Exe Exd/Exde	LKHex UP-10	LKHex UP-20	LKHex UP-25	LKHex UP-35
				IEC90-IEC132	IEC90-IEC180	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	••	Pumcasing O-ring, EPDM					
	••	Pumcasing O-ring, FPM					
	••	Pumcasing O-ring, FEP					
38	••	O-ring impeller screw, EPDM					
	••	O-ring impeller screw, FPM					
	1	O-ring impeller screw, FEP					

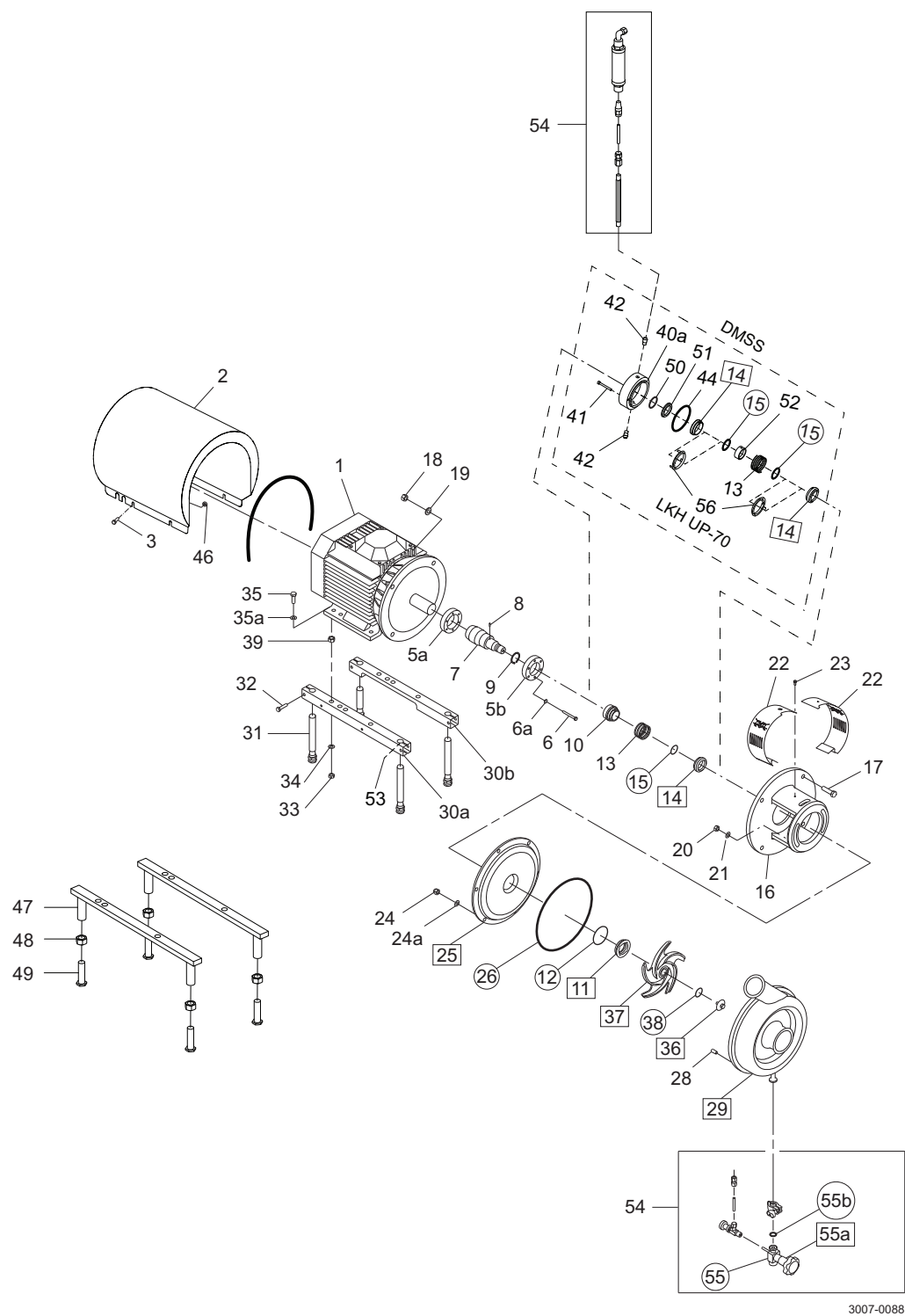
Pos	Qty	Denomination	Exe Exd/Exde	LKHex UP-40	LKHex UP-45	LKHex UP-60	LKHex UP-70
				IEC160-IEC200	IEC132-IEC180	IEC132-IEC200	IEC160-IEC280
				IEC132-IEC180	IEC112-IEC160	IEC132-IEC200	IEC160-IEC250
24	6	Cap nut		9611992593	9611992593	9611992593	
24a	6	Washer		9611991887	9611991887	9611991887	
28	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	••	Pumcasing O-ring, EPDM					
	••	Pumcasing O-ring, FPM					
	••	Pumcasing O-ring, FEP					
38	••	O-ring impeller screw, EPDM					
	••	O-ring impeller screw, FPM					
	••	O-ring impeller screw, FEP					



LKHex UltraPure - Motor dependent parts

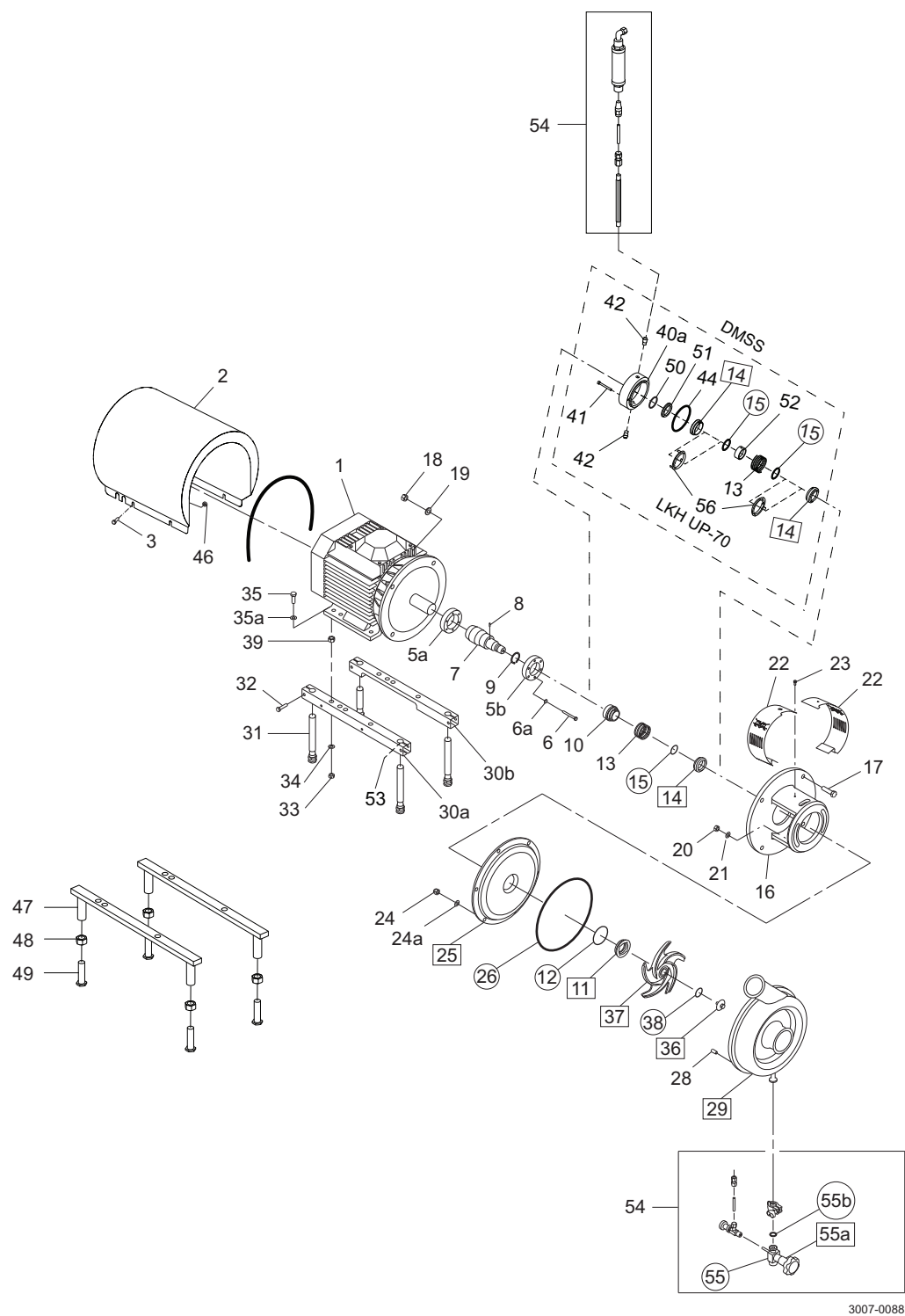
Pos	Qty	Denomination	Frame size	LKHex UP 10-60 IEC90	LKHex UP 10-60 IEC100	LKHex UP 10-60 IEC112	LKHex UP 10-60 IEC132
Motor dependent parts for WEG motors, LKHex UP 10 - 60							
5a	1	Compression ring, with thread		9612133601	9612133602	9612133602	9612133605
5b	1	Compression ring, without thread		9612133701	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 10-60 IEC160	LKHex UP 10-60 IEC180	LKHex UP 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



- ☐ Product wetted steel parts
- ☐ Product wetted elastomer parts

Pos	Qty	Denomination	Frame size	LKHex UP 70 IEC160	LKHex UP 70 IEC180	LKHex UP 70 IEC200	LKHex UP 70 IEC250	LKHex UP 70 IEC280
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		
				1.85 kW	2.5 kW	3.3 kW	4.6 kW	5.5 kW
Pos	Qty	Denomination		IEC90	IEC100	IEC112	IEC132	IEC132
1	1	Motor, WEG Exe 50Hz		9614193801	9614193802	9614193803	9614193804	9614193805
	1	Motor, WEG Exe 60Hz		9614193845	9614193846	9614193847	9614193848	9614193849
				7,5 kW	12.5 kW	15 kW	20 kW	24 kW
Pos	Qty	Denomination		IEC160	IEC160	IEC180	IEC200	IEC200
1	1	Motor, WEG Exe 50Hz		9614193806	9614193807	9614193808	9614193809	9614193810
	1	Motor, WEG Exe 60Hz		9614193850	9614193851	9614193852	9614193853	9614193854
				36 kW	47 kW	58 kW		
Pos	Qty	Denomination		IEC260	IEC280	IEC280		
1	1	Motor, WEG Exe 50Hz		9614193811	9614193812	9614193813		
	1	Motor, WEG Exe 60Hz		9614193856	9614193856	9614193857		
				1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW
Pos	Qty	Denomination		IEC90	IEC90	IEC100	IEC112	IEC132
1	1	Motor, WEG Exd		9614193830	9614193831	9614193832	9614193833	9614193834
	1	Motor, WEG Exde		9614193815	9614193816	9614193817	9614193818	9614193819
				7,5 kW	11 kW	15 kW	18.5 kW	22 kW
Pos	Qty	Denomination		IEC132	IEC160	IEC160	IEC160	IEC180
1	1	Motor, WEG Exd		9614193835	9614193836	9614193837	9614193838	9614193839
	1	Motor, WEG Exde		9614193820	9614193821	9614193822	9614193822	9614193824
				30 kW	37 kW	55 kW	75 kW	
Pos	Qty	Denomination		IEC200	IEC200	IEC250	IEC250	
1	1	Motor, WEG Exd		9614193840	9614193841	9614193843	9614193844	
	1	Motor, WEG Exde		9614193825	9614193826	9614193828	9614193829	



		LKHex UP 10/20/25 /35/40/45/60 LKHex UP 70		
Pos	Qty Denomination			
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

How to contact Alfa Laval

Contact details for all countries are continually updated on our website.

Please visit www.alfalaval.com to access the information directly.

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