

Parts List

8124.400 Mega



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Introduction

Purpose of this manual

The purpose of this manual is to provide necessary information on spare parts and accessories order.

Disclaimer

Always use genuine Grindex parts. The use of other spare parts or accessories can invalidate any claims for warranty or compensation. Grindex does not take any responsibility for damages that are caused by the use of non-original parts. For more information, contact your local sales and service representative.

Data for ordering spare parts

The following information is needed for spare part orders:

- Serial number of the product
- Part number
- Quantity of bulk material, see * in tables

Specially approved products

Qualification of personnel

Only Grindex or Grindex-authorized service personnel may undertake repair work on Ex-approved products.

Dimensional accuracy inspection

Spare parts marked with (Ex) after the part number are subject to dimensional accuracy inspection.

Product Description

Products included

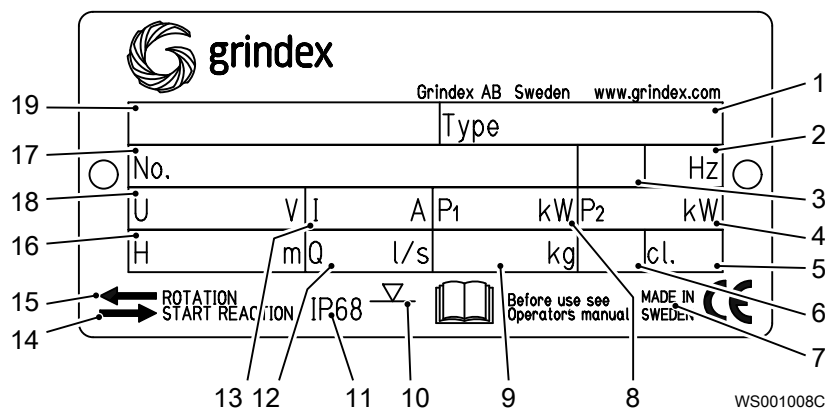
Pump model	Standard	EX	MSHA	Drainage	Sludge
Mega 8124.400	X			X	

The data plate

Introduction

The data plate is a metal label located on the main body of the pump. The data plate lists key product specifications.

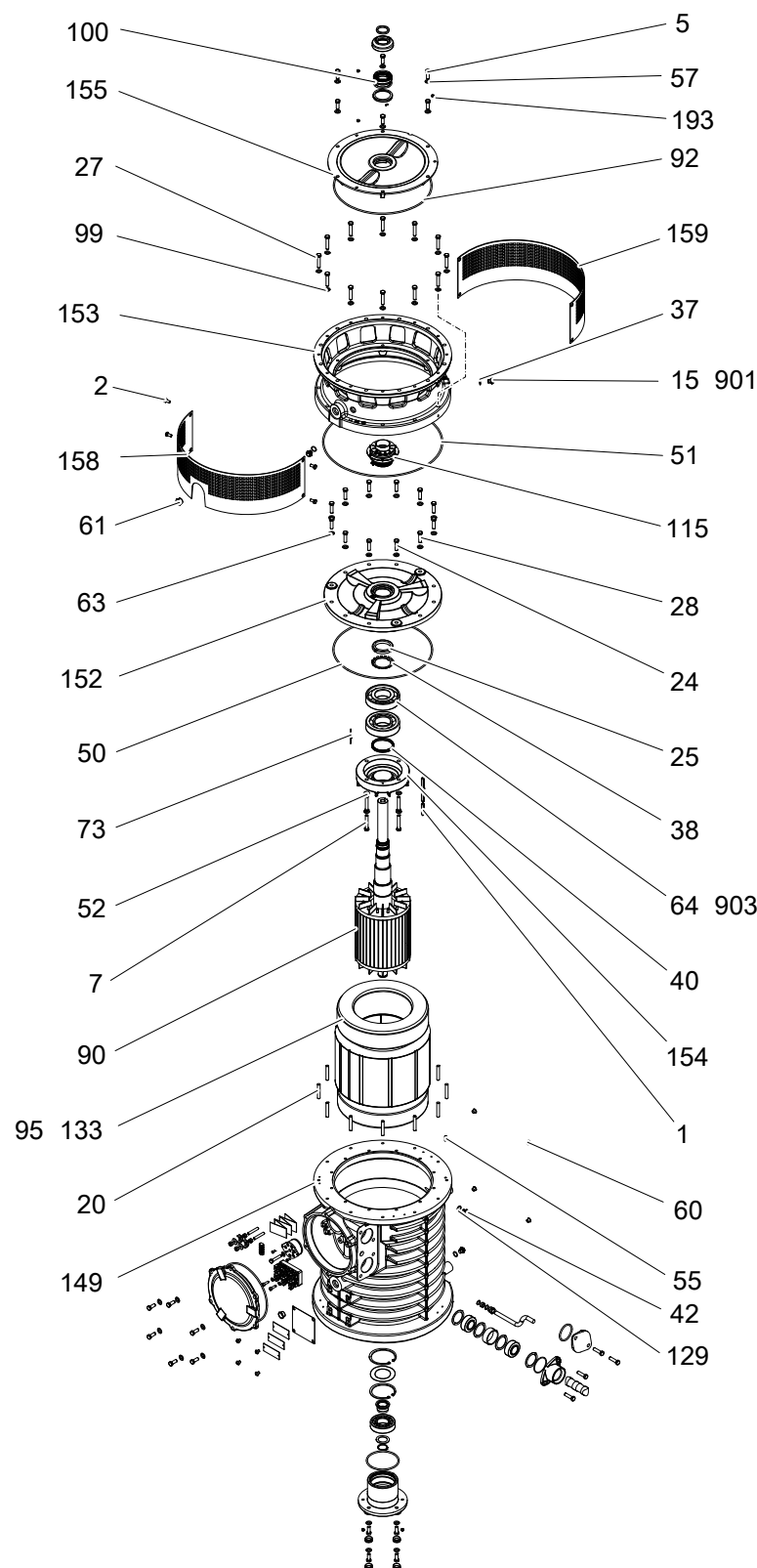
The data plate



1. Pump type number
2. Frequency
3. Phases, type of current
4. Rated shaft power
5. Thermal class
6. Locked rotor code-letter
7. Country of origin
8. Maximum power consumption
9. Product weight
10. Maximum submersion depth
11. Degree of protection
12. Maximum capacity
13. Rated current
14. Direction of the start reaction
15. Direction of the impeller rotation
16. Maximum head
17. Serial number
18. Rated voltage
19. Pump model

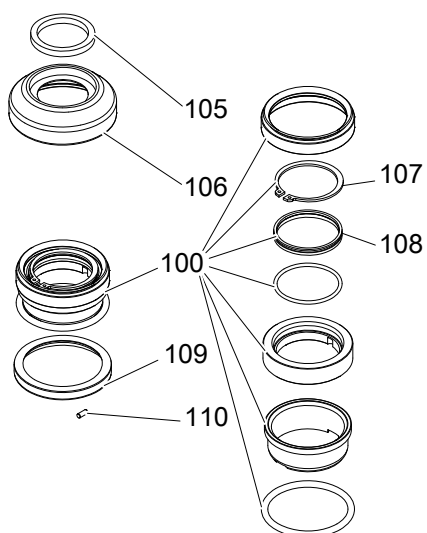
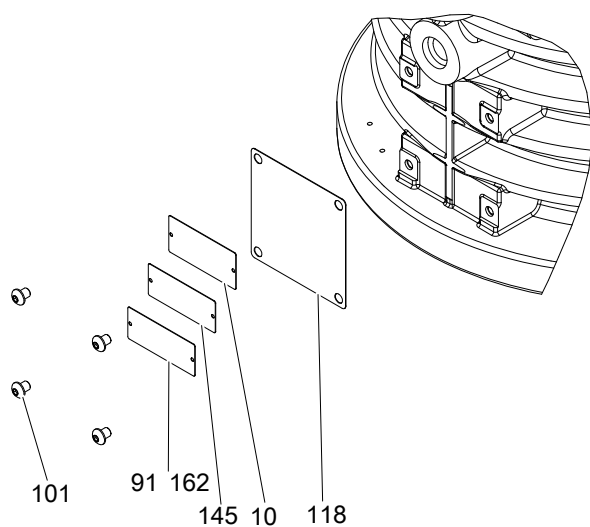
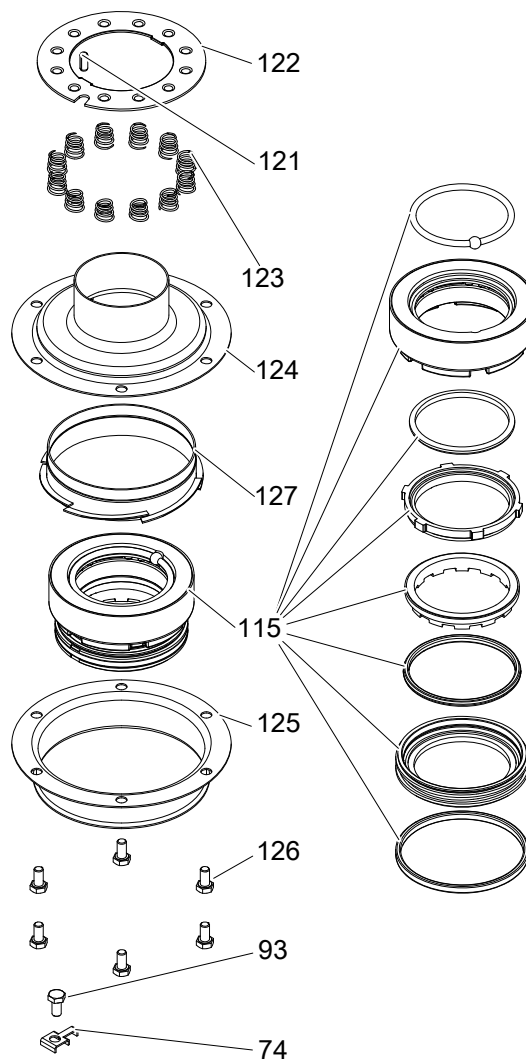
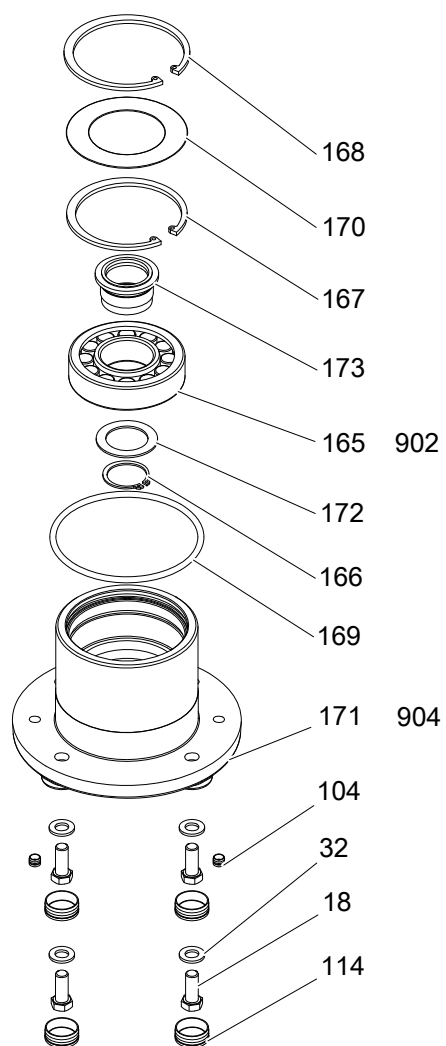
Exploded Views

Drive unit



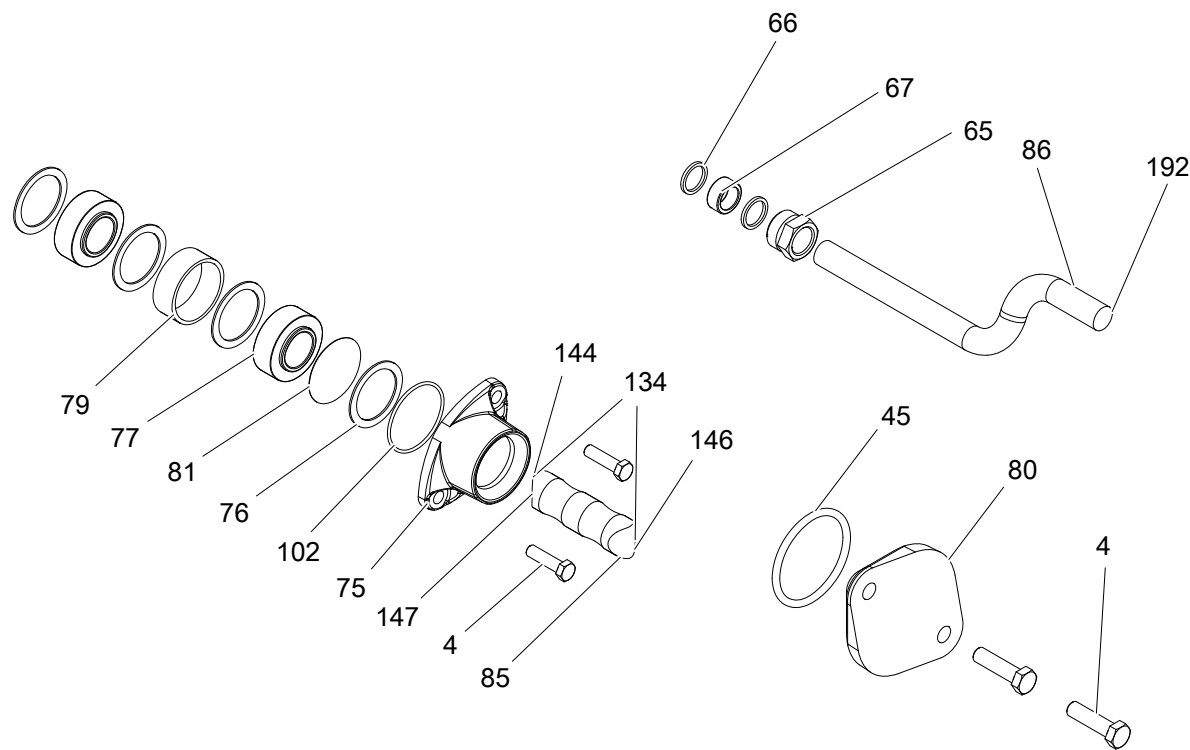
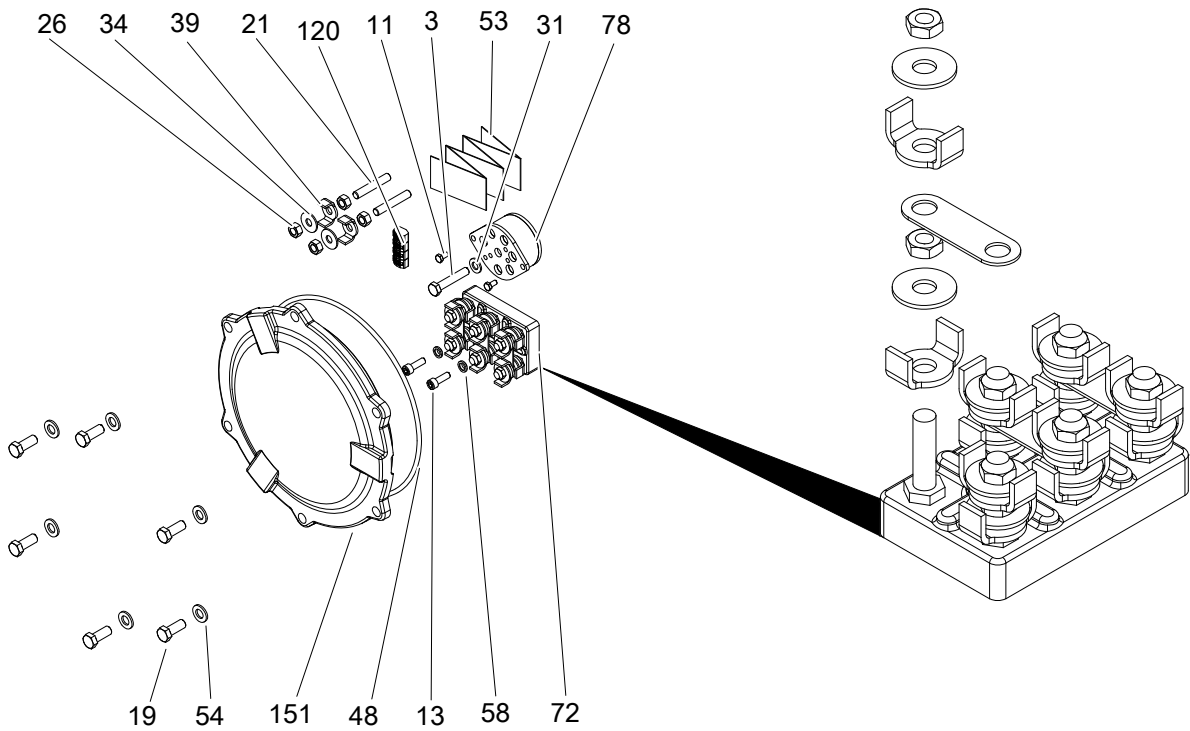
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Support bearing, labels and mechanical seals



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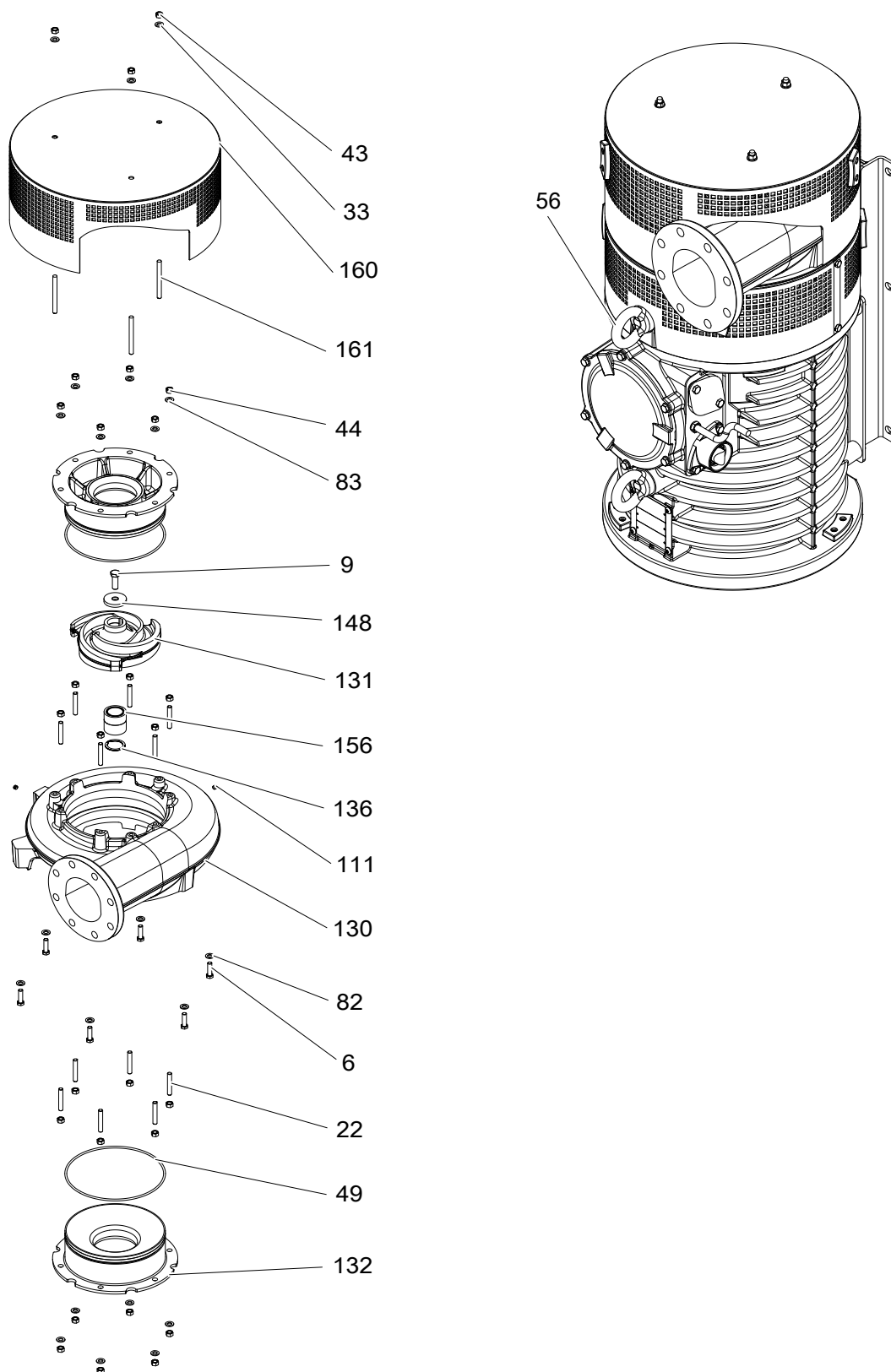
Connection housing and cable entry



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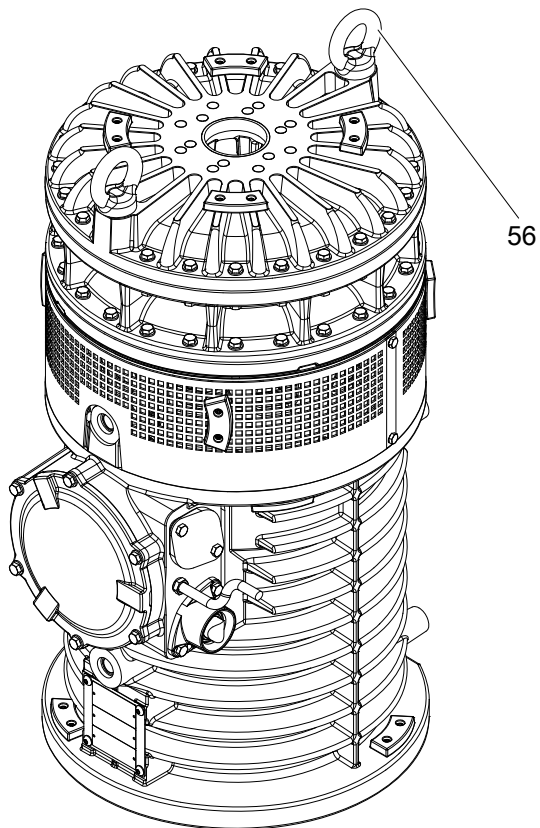
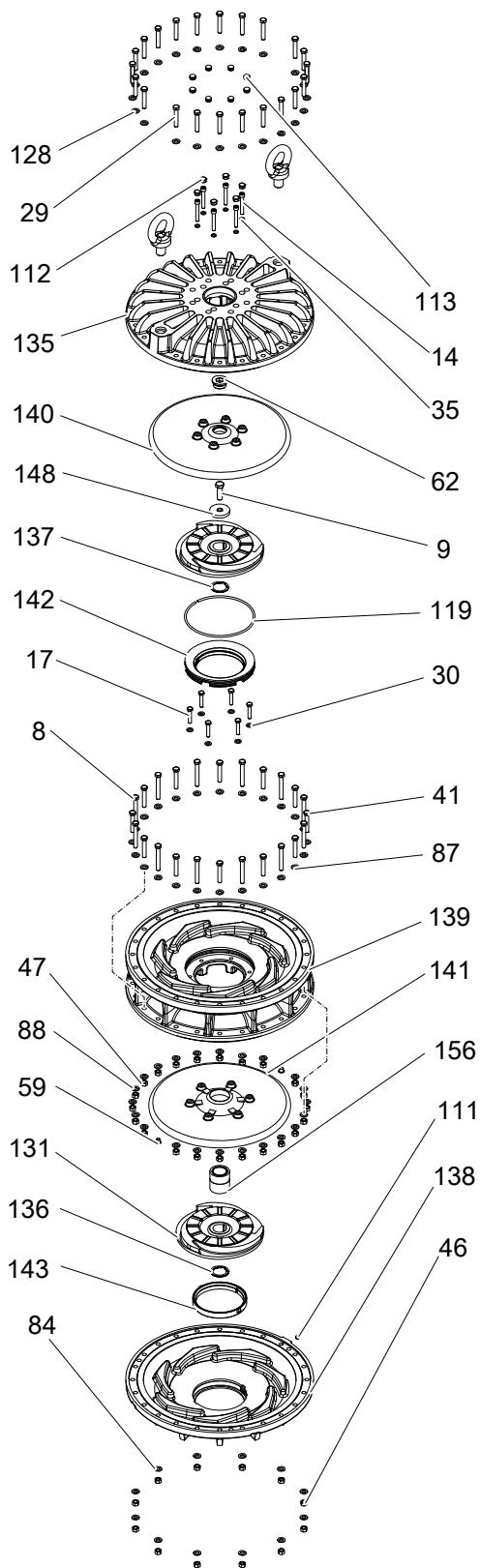
Figure 1: Standard

N



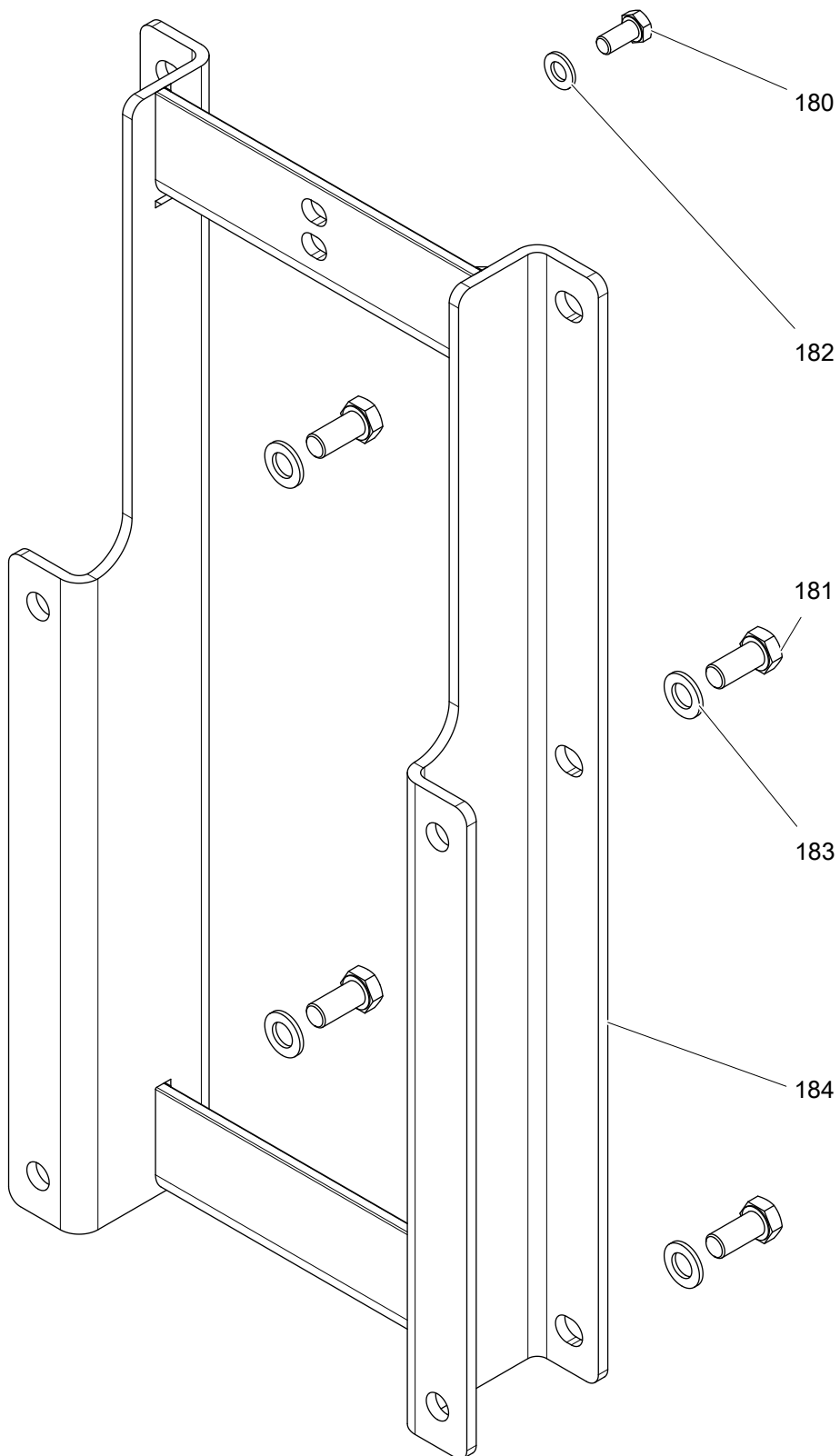
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H



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Stand



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Spare Parts

List of parts

Pos. No	Part. No	Denomination	Qty/Version
			400
1	410 193	Parallel key 12X8X63-A4	2
2	410 195	Hexagon head screw M10X20-A4-70	4
3	410 196	Hexagon head screw M10X55-A2-70	1
4	132 260	Hexagon head screw M12X45-A2-70	4
5	410 197	Hexagon head screw M12X35-A2-70	6
6	132 260	Hexagon head screw M12X45-A2-70	6
		Hydraulic end material: Full stainless steel	
		Hydraulic end material: Grey cast iron	
6	410 071	Hexagon head screw M12X45-A4-70	6
		Hydraulic end material: Full stainless steel	
7	410 198	Hexagon head screw M12X70-A2-70	4
8	410 199	Hexagon head screw M12X90-A2-70	12
9	410 200	Hexagon head screw M16X50-A4-70	1
10	50 888 00	Plate-blank	1
11	50 020 20	Hexagon head screw M6X12-A4-70	2
13	410 204	Slotted head screw M10X30-A4-70	2
14	410 205	Hex.socket hd screw M10X70-A2-70	6
15	133 063	Inspection screw	2
17	410 196	Hexagon head screw M10X55-A2-70	6
18	410 197	Hexagon head screw M12X35-A2-70	4
19	410 197	Hexagon head screw M12X35-A2-70	6
21	410 267	Stud 10X60-A2-70	2
22	132 442	Stud M12X80-A2-70	12
		Hydraulic end material: Full stainless steel	
		Hydraulic end material: Grey cast iron	

Pos. No	Part. No	Denomination		Qty/Version
				400
22	410 268	Stud 12X80-A4-70	Hydraulic end material: Full stainless steel	12
24	132 260	Hexagon head screw M12X45-A2-70		3
25	410 207	Round nut M70X2		1
26	50 022 22	Hexagon nut M10-A4-70		4
27	410 532	Hexagon head screw M12X60-A2-70		12
28	132 260	Hexagon head screw M12X45-A2-70		9
29	410 198	Hexagon head screw M12X70-A2-70		22
30	50 022 26	Plain washer 10-A4-170HV		6
32	132 274	Plain washer 12-A2-170		4
33	132 274	Plain washer 12-A2-170	Hydraulic end material: Full stainless steel Hydraulic end material: Grey cast iron	3
33	410 210	Plain washer 12-A4-170HV	Hydraulic end material: Full stainless steel	3
34	410 211	Plain washer 10.5X28X2		2
35	410 544	Lock washer		6
37	133 064	O-ring 19.2X3 NBR		2
38	410 229	Lock washer		1
39	410 245	Cable washer		2
40	410 251	Seal ring		1
41	410 198	Hexagon head screw M12X70-A2-70		12
42	133 063	Inspection screw		2
43	132 280	Hexagon nut M12-A2-70	Hydraulic end material: Full stainless steel Hydraulic end material: Grey cast iron	3
43	410 011	Hexagon nut M12-A4-70	Hydraulic end material: Full stainless steel	3
44	132 280	Hexagon nut M12-A2-70	Hydraulic end material: Full stainless steel Hydraulic end material: Grey cast iron	24
44	410 011	Hexagon nut M12-A4-70	Hydraulic end material: Full stainless steel	24
45	410 238	O-ring 69.2X5.7 NBR		1
46	132 280	Hexagon nut M12-A2-70		12
47	132 280	Hexagon nut M12-A2-70		22

Pos. No	Part. No	Denomination	Qty/Version	
			400	
48	410 240	O-ring 269.3X5.7 NBR	1	
49	50 037 32	O-ring 279.3X5.7 NBR	2	
50	410 241	O-ring 419.3X5.7 NBR	1	
51	410 242	O-ring 499.3X5.7 NBR	1	
52	132 274	Plain washer 12-A2-170	4	
53	51 675 01	Connection plate	1	
54	132 274	Plain washer 12-A2-170	6	
55	410 191	Grooved pin	1	
56	410 209	Lifting eye bolt	2	
57	132 274	Plain washer 12-A2-170	6	
58	410 252	Sealing washer	2	
59	410 234	Protective plug	2	
61	410 235	Protective plug	2	
62	410 236	Plug	1	
63	132 274	Plain washer 12-A2-170	12	
64	410 250	Ball bearing	2	
65	51 204 00	Gland screw	1	
66	410 212	Plain washer 16.5X20.5X2-A2-70	(14)-16mm Aux. cable entry SUBCAB 7x1.5mm OD=15,50 - 16,50mm	2
66	132 455	Plate	Plugged aux. cable entry	2
67	410 254	Seal sleeve	(14)-16mm Aux. cable entry SUBCAB 7x1.5mm OD=15,50 - 16,50mm	1
67	132 454	Plug	Plugged aux. cable entry	1
72	51 201 00	Terminal board unit		1
72,1	410 208	Hexagon nut		12
72,2	410 211	Plain washer 10.5X28X2		12
72,3	410 245	Cable washer		12
72,4	410 247	Closing link		3
72,5	410 248	Connection term boar		1
73	51 255 00	Detector unit		1
74	51 264 00	Lock washer		1
75	51 472 05	Entrance flange		1-2
76	410 220	Plain washer 46.5X70X2-A2-70	Cable entry (32)-35mm Cable entry (32)-35mm	4-8
76	410 223	Plain washer 54.5X70X2-A2-70	Cable entry (41)-44mm Cable entry (35)-38mm Cable entry (38)-41mm Cable entry (41)-44mm Cable entry (35)-38mm	4-8

Pos. No	Part. No	Denomination		Qty/Version
				400
77	410 590	Seal sleeve	Cable entry (32)-35mm Cable entry (32)-35mm	2-4
77	410 593	Seal sleeve	Cable entry (41)-44mm Cable entry (41)-44mm	2-4
77	410 591	Seal sleeve	Cable entry (35)-38mm Cable entry (35)-38mm	2-4
77	410 592	Seal sleeve	Cable entry (38)-41mm	2
78	51 200 00	El-lead through	6-leads 50 Hz 380V-400V D 660V-690V Y P2=90kW 6-leads 60 Hz 440V-460V D P2=104kW/140hp 6-leads 50 Hz 400V-440V D P2=90kW 6-leads 60 Hz 575V D P2=104kW/140hp 6-leads 50 Hz 550V D P2=90kW 6-leads 60 Hz 380V D P2=104kW/140hp 6-leads 50 Hz 400V D P2=90kW 6-leads 60 Hz 400V D P2=104kW/140hp 6-leads 50 Hz 500V-550V D P2=90kW 6-leads 60 Hz 575V-600V D P2=104kW/140hp	1
78	51 250 00	El-lead through	12-leads 50 Hz 500V Y// 1000V YSER P2=90kW	1
79	51 488 01	Ring		1-2
80	51 207 00	Cover		1
81	51 249 00	Plate 70 MM		1-2
82	132 274	Plain washer 12-A2-170	Hydraulic end material: Full stainless steel Hydraulic end material: Grey cast iron	6
82	410 210	Plain washer 12-A4-170HV	Hydraulic end material: Full stainless steel	6-12
83	132 274	Plain washer 12-A2-170	Hydraulic end material: Grey cast iron	12
84	132 274	Plain washer 12-A2-170		12
85	410 855	Motor cable	Power cable x 2 SUBCAB 4G35+S(2x0,5) 35 - 37mm Star delta possible Power cable x 1 SUBCAB 4G35+S(2x0,5) 35 - 37mm	*

Pos. No	Part. No	Denomination		Qty/Version
				400
85	410 856	Motor cable	Power cable x 1 SUBCAB 3x50+2G35/2+S(2x0,5) 35 - 37mm	*
85	410 857	Motor cable	Power cable x 1 SUBCAB 3x70+2G35/2+S(2x0,5) 38 - 41mm	*
85	410 136	Motor cable	Power cable x 2 SUBCAB 4AWG/3-2-1-GC 32,80 - 34,80mm Star delta possible	*
85	410 355	Motor cable	Power cable x 1 SUBCAB 1AWG/3-2-1-GC 40,70 - 42,70mm Power cable x 2 SUBCAB 1AWG/3-2-1-GC 40,70 - 42,70mm Star delta possible	*
85	410 854	Motor cable	Power cable x 2 SUBCAB 4G25+S(2x0,5) 32 - 34mm Star delta possible	*
85	410 865	Motor cable	Power cable x 1 SUBCAB S3x35+3x16/3+S(4x0,5) 32 - 34mm	*
85	410 866	Motor cable	Power cable x 1 SUBCAB S3x50+3x25/3+S(4x0,5) 38 - 40mm	*
85	410 867	Motor cable	Power cable x 1 SUBCAB S3x70+3x35/3+2S(2x0,5) 42 - 44mm	*
86	410 350	Control cable subcab 7X1,5 OD=15-17 MM		*
87	132 274	Plain washer 12-A2-170		24
88	132 274	Plain washer 12-A2-170		22
90	51 219 00	Shaft unit SS	Hydraulic end material: Full stainless steel Hydraulic end material: Partial stainless steel	1
90	51 219 01	Shaft unit	Hydraulic end material: Grey cast iron	1
92	410 241	O-ring 419.3X5.7 NBR		1
93	50 020 20	Hexagon head screw M6X12-A4-70		1
95	51 262 00	Stator 42-26-2f	6-leads 60 Hz 2-poles 380V D P2=104kW/140hp	1
95	51 262 10	Stator 42-26-2f	12-leads 60 Hz 2-poles 460V DSER 380V Y// P2=104kW/140hp 12-leads 60 Hz 2-poles 230V D// P2=104kW/140hp	1

Pos. No	Part. No	Denomination		Qty/Version
				400
95	51 262 01	Stator 42-26-2f	6-leads 50 Hz 2-poles 380V-400V D 660V-690V Y P2=90kW 6-leads 60 Hz 2-poles 440V-460V D P2=104kW/ 140hp	1
95	51 262 02	Stator 42-26-2f	6-leads 50 Hz 2-poles 400V D P2=90kW 6-leads 60 Hz 2-poles 400V D P2=104kW/140hp	1
95	51 262 03	Stator 42-26-2f	6-leads 50 Hz 2-poles 400V-440V D P2=90kW	1
95	51 262 04	Stator 42-26-2f	6-leads 60 Hz 2-poles 575V D P2=104kW/140hp	1
95	51 262 05	Stator 42-26-2f	6-leads 50 Hz 2-poles 500V-550V D P2=90kW 6-leads 60 Hz 2-poles 575V-600V D P2=104kW/ 140hp	1
95	51 262 06	Stator 42-26-2f	6-leads 50 Hz 2-poles 550V D P2=90kW	1
95	51 262 07	Stator 42-26-2f	12-leads 50 Hz 2-poles 500V Y// 1000V YSER P2=90kW	1
99	132 274	Plain washer 12-A2-170		12
100	51 232 01	Mechanical seal		1
101	410 206	Hex.socket hd screw M10X12-A2-70		4
102	410 562	O-ring 69.5X3 NBR		1-2
104	410 937	Plug		2
105	51 261 00	Ring	Hydraulic end material: Full stainless steel Hydraulic end material: Partial stainless steel	1
105	51 263 00	Plain washer	Hydraulic end material: Grey cast iron	1
106	51 245 01	Protective casing PU		1
106	51 245 00	Protective casing NBR		1
109	51 229 00	Wear protection		1
110	410 189	Parallel pin CP- H8-4X10-1650		1
112	410 939	Protective plug M20		6
113	410 939	Protective plug M20		8
113	410 940	Protective plug M20		8
114	410 911	Protective plug M30		4
115	50 395 02	Mechanical seal		1

Pos. No	Part. No	Denomination	Qty/Version
			400
118	51 272 00	Plate	1
119	51 833 00	Spring ring, solid	1
120	410 916	Terminal block	4
121	410 192	Tension pin	1
122	51 223 00	Washer	1
123	50 368 00	Compression spring	12
124	51 222 00	Flange compl.	1
125	51 227 00	Flange	1
126	50 020 20	Hexagon head screw M6X12-A4-70	6
127	51 224 00	Impeller unit	1
128	132 274	Plain washer 12-A2-170	22
129	133 064	O-ring 19.2X3 NBR	2
130	51 210 00	Pump housing	Hydraulic end material: Full stainless steel
130	51 210 01	Pump housing	Hydraulic end material: Full stainless steel Drilled acc. to: EN 1092-2 tab. 9 ASME B 16.5-1996;tab.8
130	51 209 00	Pump housing	Hydraulic end material: Grey cast iron
130	51 209 01	Pump housing	Hydraulic end material: Grey cast iron Drilled acc. to: ASME B 16.5-1996;tab. 8 EN 1092-2 tab. 9
131	51 239 06	Impeller	N 50 Hz Mtrl. Alloyed white iron (hardened, high chrome)
131	51 239 07	Impeller	N 60 Hz Mtrl. Alloyed white iron (hardened, high chrome)
131	51 645 00	Impeller	H 50 Hz Mtrl. Alloyed white iron (hardened, high chrome)
131	51 645 10	Impeller	H 60 Hz Mtrl. Alloyed white iron (hardened, high chrome)
131	51 239 01	Impeller	N 50 Hz Mtrl. Stainless steel, castings
131	51 646 00	Impeller	H 50 Hz Mtrl. Stainless steel, castings
131	51 646 10	Impeller	H 60 Hz Mtrl. Stainless steel, castings
132	51 226 00	Suction cover uncoat	2
132	51 225 00	Suction cover NBR	2
132	51 225 01	Suction cover PU	2

Pos. No	Part. No	Denomination	Qty/Version
			400
133	50 221 07	End sleeve 25 MM2; L=15 MM 6-leads 60 Hz 2-poles 575V D P2=104kW/140hp 6-leads 50 Hz 2-poles 380V-400V D 660V-690V Y P2=90kW 6-leads 60 Hz 2-poles 440V-460V D P2=104kW/140hp 6-leads 60 Hz 2-poles 380V D P2=104kW/140hp 6-leads 50 Hz 2-poles 400V D P2=90kW 6-leads 60 Hz 2-poles 400V D P2=104kW/140hp 12-leads 60 Hz 2-poles 460V DSER 380V Y// P2=104kW/140hp 6-leads 50 Hz 2-poles 400V-440V D P2=90kW 12-leads 60 Hz 2-poles 230V D// P2=104kW/140hp 6-leads 50 Hz 2-poles 500V-550V D P2=90kW 6-leads 60 Hz 2-poles 575V-600V D P2=104kW/140hp	6

Pos. No	Part. No	Denomination	Qty/Version
			400
133	50 221 07	End sleeve 25 MM2; L=15 MM 6-leads 60 Hz 2-poles 575V D P2=104kW/140hp 6-leads 50 Hz 2-poles 380V-400V D 660V-690V Y P2=90kW 6-leads 60 Hz 2-poles 440V-460V D P2=104kW/140hp 6-leads 60 Hz 2-poles 380V D P2=104kW/140hp 6-leads 50 Hz 2-poles 400V D P2=90kW 6-leads 60 Hz 2-poles 400V D P2=104kW/140hp 12-leads 60 Hz 2-poles 460V DSER 380V Y// P2=104kW/140hp 6-leads 50 Hz 2-poles 400V-440V D P2=90kW 12-leads 60 Hz 2-poles 230V D// P2=104kW/140hp 6-leads 50 Hz 2-poles 500V-550V D P2=90kW 6-leads 60 Hz 2-poles 575V-600V D P2=104kW/140hp	12
133	50 221 06	End sleeve 16 MM2; L=12 MM 6-leads 50 Hz 2-poles 550V D P2=90kW 12-leads 50 Hz 2-poles 500V Y// 1000V YSER P2=90kW	6-9
134	51 438 00	Plate SENSOR CONNECTED T1-T2	2
135	51 243 00	Diffuser coat. NBR	1
135	51 243 01	Diffuser coat. NBR Drilled acc. to: EN 1092-2 tab. 11	1
135	51 243 02	Diffuser coat. NBR Drilled acc. to: ASME B 16.5-1996;tab.11	1
135	51 243 03	Diffuser coat. PU	1
135	51 243 04	Diffuser coat. PU Drilled acc. to: EN 1092-2 tab. 11	1
135	51 243 05	Diffuser coat. PU Drilled acc. to: ASME B 16.5-1996;tab.11	1
136	50 174 04	Adjusting washer 0.5 MM N Diffusor material: NBR H Diffusor material: NBR N Diffusor material: Polyurethane rubber (PU) H Diffusor material: Polyurethane rubber (PU)	4-5

Pos. No	Part. No	Denomination	Qty/Version
			400
136	50 174 04	Adjusting washer 0.5 MM N Diffusor material: NBR N Diffusor material: Polyurethane rubber (PU)	2
136	50 174 03	Washer 0.3 MM H Diffusor material: NBR H Diffusor material: Polyurethane rubber (PU)	3
137	50 174 03	Washer 0.3 MM H	2
137	50 174 04	Adjusting washer 0.5 MM H	2
138	51 220 00	Diffuser coat. NBR	1
138	51 220 01	Diffuser coat. PU	1
139	51 738 00	Diffuser coat. NBR	1
139	51 738 01	Diffuser coat. PU	1
140	51 246 00	Diffuser disc coated NBR	1
140	51 246 01	Diffuser disc coated PU	1
141	51 247 00	Diffuser disc coated NBR	1
141	51 247 01	Diffuser disc coated PU	1
142	51 242 05	Wear ring NBR	1
142	51 242 06	Wear ring PU	1
143	51 221 00	Wear ring NBR	1
143	51 221 01	Wear ring PU	1
144	-	Cap 10X20 PVC	1
144	410 875	Cap 6X16 PVC	1
144	-	Cap 10X20 PVC	2
144	410 876	Cap 7X16 PVC	1
146	-	Cap	1
146	-	Cap 32X45 PVC	2
147	410 943	Cable lug	1
148	51 213 00	Plain washer	1
149	51 214 04	Stator housing	1
149	51 214 05	Stator housing PREPARED FOR ZINC ANODES	1
151	51 215 00	Cover	1
152	51 216 00	Bearing housing low.	1
153	51 273 00	Oil housing	1
154	51 217 00	Bearing cover	1
155	51 218 01	Diffuser coat. PU	1
155	51 218 00	Diffuser coat. NBR	1
156	51 230 00	Sleeve Hydraulic end material: Full stainless steel Hydraulic end material: Partial stainless steel	1

Pos. No	Part. No	Denomination		Qty/Version
				400
156	51 260 00	Sleeve compl.	Hydraulic end material: Grey cast iron	1
157	51 117 03	Zinc anode kit H		1
157,1	50 020 00	Hex.socket hd screw M6X20-A2-70		20
157,2	410 009	Hex.socket hd screw M6X30-A2-70		6
157,3	50 020 07	Lock nut M6-A4-70		6
157,4	50 020 06	Plain washer 9021-6,4X18X1,6		12
157,5	410 925	Anode		16
157	51 117 02	Zinc anode kit N		1
157,1	50 020 00	Hex.socket hd screw M6X20-A2-70		12
157,2	410 009	Hex.socket hd screw M6X30-A2-70		12
157,3	50 020 07	Lock nut M6-A4-70		12
157,4	50 020 06	Plain washer 9021-6,4X18X1,6		24
157,5	410 925	Anode		18
158	51 274 01	Strainer	Hydraulic end material: Full stainless steel	1
			Hydraulic end material: Partial stainless steel	
158	51 274 00	Strainer unit	Hydraulic end material: Grey cast iron	1
159	51 275 01	Strainer	Hydraulic end material: Full stainless steel	1
			Hydraulic end material: Partial stainless steel	
159	51 275 00	Strainer unit	Hydraulic end material: Grey cast iron	1
160	51 211 01	Strainer compl. SS	Hydraulic end material: Full stainless steel	1
160	51 211 00	Strainer compl.	Hydraulic end material: Grey cast iron	1
161	51 203 00	Stud	Hydraulic end material: Grey cast iron	3
161	410 269	Stud 12X140-A4-70	Hydraulic end material: Full stainless steel	3
162	50 898 00	Marking tape		1
165	410 225	Roller bearing		1
166	410 081	Retaining ring SGA 40		1
167	130 995	Retaining ring SGH 110		1
168	410 231	Retaining ring SGH 115		1

Pos. No	Part. No	Denomination	Qty/Version
			400
169	410 239	O-ring 134.3X5.7 NBR	1
170	51 253 00	Washer	1
171	51 254 00	Bearing housing	1
172	51 256 00	Washer	1
173	51 257 00	Sleeve	1
180	131 553	Hexagon head screw M12X25-A2-70	1
181	410 253	Hexagon head screw M16X35-A2-70	4
182	132 274	Plain washer 12-A2-170	1
183	132 258	Plain washer 16-A2-A-170	4
184	51 212 01	Stand compl.	1
192	-	Cap	1
193	410 937	Plug	3
800	51 192 02	O-ring kit	1
800,37	133 064	O-ring 19.2X3 NBR	2
800,45	410 238	O-ring 69.2X5.7 NBR	1
800,48	410 240	O-ring 269.3X5.7 NBR	1
800,49	50 037 32	O-ring 279.3X5.7 NBR	2
800,50	410 241	O-ring 419.3X5.7 NBR	1
800,51	410 242	O-ring 499.3X5.7 NBR	1
800,69	130 947	O-ring 229.3X5.7 NBR	1
800,92	410 241	O-ring 419.3X5.7 NBR	1
800,102	410 238	O-ring 69.2X5.7 NBR	1
800,102	410 562	O-ring 69.5X3 NBR	2
800,129	133 064	O-ring 19.2X3 NBR	2
800,169	410 239	O-ring 134.3X5.7 NBR	1
801	51 117 02	Zinc anode kit N	1
801	51 117 03	Zinc anode kit H	1
900	51 265 00	Basic repair kit	1
901	410 053	Oil ISO VG 32	*
902	-	Grease	*
903	-	Grease	*
904	-	Grease	*



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instructions are translations of the original instruction.

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