



List of parts

Relevant drawing 0661-860

Pos	Designation	No	Part no
	Complete compressor LF, aut. Vi		4161.059
	Complete compressor LF, man. Vi		4161.060
	Complete compressor LM, aut. Vi		4161.061
	Complete compressor LM, man. Vi		4161.062
	Complete compressor SF, aut. Vi		4161.063
	Complete compressor SF, man. Vi		4161.064
	Complete compressor SM, aut. Vi		4161.065
	Complete compressor SM, man. Vi		4161.066
	Compressor Housing		
10-1	Compressor housing (L)	1	3011.009
10-2	Compressor housing (S)	1	3011.019
	Bearing cover at suction end		
20-1	Bearing cover, female drive	1	3013.512
20-2	Bearing cover, male drive	1	3013.513
21	O-ring dia. 430,66 x 3,53,	1	1331.596
22	Inner sleeve, INA IR dia. 17/20 x 16	2	1514.018
23	Washer dia. 25/16,5 x 4	4	2114.047
24	Threaded plug with collar 1/2"	1	1343.027
25	Gasket 22/29	1	1331.430
26	Cylindrical screw M16 x 60	10	1413.436
27	Cylindrical screw M16 x 90	2	1413.429
28	Cylindrical screw M16 x 180	8	1413.428
30	Hose connection	1	1345.143
	Bearing cover at discharge end		
40	Thrust cover/capacity regulating cylinder	1	3013.150
41	Cylinder screw M16 x 60	20	1413.436
42	Washer dia. 25/16,5 x 4	4	2114.047
43	O-ring dia. 151,99 x 3,53	1	1331.586

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Pos	Designation	No	Part no
44	Adjusting screw	2	2111.128
45	Locking screw M6 x 10	4	1413.231
46	Cross bar for bearing adjustment	1	3083.137
47	Cylinder screw M12 x 30	6	1413.386
48	Inner sleeve, INA IR dia 17/20 x 16	2	1514.018
49	O-ring dia. 13,94 x 2,62 Spare parts - SAB 202	1	1331.540
	Cover for capacity regulating cylinder		
60	Cover for capacity cylinder	1	3013.206
61	O-ring dia. 142,47 x 3,53	1	1331.585
62	Cylinder screw M12 x 35	4	1413.387
63	Cylinder Screw M6x25	2	1413.342
64	Gasket 17/24	1	1331.427
	Rotors		
110-1	Set of rotors for SM	1	3024.391
110-2	Set of rotors for SF	1	3024.308
110-3	Set of rotors for LM	1	3024.392
110-4	Set of rotors for LF	1	3024.305
111	Journal bearing	4	1515.031
112	Retaining pin for journal bearing dia. 5 x 45	4	1446.033
113	Cylinder screw M6 x 16	8	1413.340
114	Thrust washer	2	3021.029
115	Cylinder screw M16 x 45	2	1413.433
132	Four point ball bearing dia. 70/150 x 35	2	1513.040



Pos	Designation	No	Part no
133	Set of shims dia. 128/150 for adjusting the clearance between the rotor and outlet port. Comprising: 1 of 5,60 mm 1 of 5,65 mm 1 of 5,70 mm 1 of 5,75 mm 1 of 5,80 mm 1 of 5,85 mm 1 of 5,90 mm	2	3021.043
135	Spacer ring, drive rotor	1	3025.035
136	Retaining ring 4 x 10	1	1446.012
137	Balance piston, driven rotor	1	3025.034
138	Spacer ring, driven rotor	1	3025.036
139	Retaining pin 5 x 16	1	1446.021
	Discharge ports		
140-1	Discharge port for male rotor (normal Vi 4.5)	1	3031.031
141-1	Discharge port for female rotor (normal Vi 4.5)	1	3031.032
140-2	Discharge port for male rotor (AC application Vi 3.0)	1	3031.054
141-2	Discharge port for female rotor (AC application Vi 3.0)	1	3031.053
142	Cylinder screw M8 x 190	6	1413.309
143 A	Washer for discharge port dia. 16,5 /8,2 x 10	6	2114.053
143 B	O-ring 10,82 x 1,78	1	1331.640
147	Locking screw M10 x 10 - outside adjustment	2	1413.250
148	Pointed screw M10 x 16 - outside adjustment	2	1413.032
149A	Blank of screw 3/8" - outside adjustment	2	1343.026
149B	Gasket - outside adjustment	2	1331.427
	Parts for adjusting rotors		
153	Inner cover	2	3021.030
154	O-ring dia. 142,47 x 3,53	2	1331.585
155	Cylindrical steel roll 8H 11 x 8	2	1514.019

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Pos	Designation	No	Part no
	Internal Shaft seal		
156A-1	Shaft Seal Cover SM/LM	1	3013.330
156A-2	Shaft Seal Cover SF/LF	1	3013.329
156B	Balance Piston	1	3025.052
156C	Slide Ring	1	3025.054
156D	Sealing Ring	1	1332.078
156E-1	Retaining Ring for 156D SM/LM	1	3013.335
156E-2	Retaining Ring for 156D SF/LF	1	3013.331
156F	O-ring 88.49 x 3.53	1	1331.572
156G	O-ring 107.54 X 3.53	1	1331.577
156H	O-ring 142.47 X 3.53	1	1331.585
156I	Countersunk screw	4	1413.090
156K	Cylinder screw	2	1413.041
	Shaft seal		
160A	Shaft seal collar	1	3084.557
160B	Shaft seal seat		
160C	O-ring for shaft seal collar		
160D	O-ring for shaft seal seat		
160E	Pointed screw		
161	Retaining pin for shaft seal seat dia. 3 x 5	1	1446.005
162	Spirolox ring (oil thrower)	1	1437.294
163-1	Cover, F	1	3013.100
163-2	Cover, M	1	3013.102
164	O-ring dia. 132,94 x 3,53	1	1331.583
166	O-ring dia. 158,34 x 3,53	1	1331.587
167	Cylinder screw M12 x 35	8	1413.387
168	Hose connection branch 1/4"	1	1345.143
	Suction filter		
170	Suction filter	1	3042.075
	Adjusting system for Vi-slide, MAN		
180	Spindle man. Vi	1	3044.135



Pos	Designation	No	Part no
181	Cover for man. Vi	1	3013.098
182	Sealing washer for slide stop	1	3044.014
183	Sealing ring	1	1331.503
184	O-ring dia. 44,04 x 3,53	1	1331.560
185	Retainer for bearings	1	3044.134
186	Axial ball bearing dia. 42/25 x 11	2	1512.015
187	Locking plate	1	2114.043
188	Cylinder screw M6 x 12	1	1413.339
189	Thread washer	1	3044.073
195	Cylinder screw M4 x 30	2	1413.325
196	Cylinder screw M6 x 35	3	1413.344
197	O-ring dia. 101,19 x 3,53	1	1331.575
198	Cylinder screw M12 x 35	4	1413.387
	Vi-slide		
190-1	Slide stop, S	1	3043.259
190-2	Slide stop, L	1	3043.258
191-1	Spring for Vi-slide, L	1	2144.042
191-2	Spring for Vi-slide, S	1	2144.043
192	Cylinder screw M10 x 25	1	1413.371
	Capacity regulating slide		
200-1	Slide for L	1	3043.113
200-2	Slide for S	1	3043.125
201	Piston part inner	1	3043.138
202	Piston part outer	1	3043.139
203	O-ring dia. 40,87 x 3,53	1	1331.559
204	Sealing ring dia. 150	1	1332.133
206	Slotted nut KM8	1	1514.200
207A-1	Piston rod for L	1	3043.256
207A-2	Piston rod for S	1	3043.257
207C	Cylindrical pin dia. 6 x 16 - Included in pos. 207A	1	1445.076

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Pos	Designation	No	Part no
207D	Spirolox-ring - Included in pos. 207A	1	1437.291
207E	Steel ball 3/8" - Included in pos. 207A	1	1514.158
208	Locking plate for slotted nut	1	1514.070
209	Tape bearing	2	2132.100
210	Pointed screw M6 x 6	2	1413.229
311	Cap screw M20 x 60	1	1424.289
312	Clamp	1	3042.054
	Non return valve		
	Non return valve complet		3042.122
252	O-ring dia. 253,37 x 5,33	1	1331.603
253	Intermediate flange	1	3013.288
255	Valve housing	1	3042.127
256	Spindle guide	1	3042.125
257	Retainer	1	3042.126
258	Hexagon head screw M8 x 120	3	1413.314
259	Valve cone	1	3042.123
260	Spindle	1	3042.124
261	Spring	1	1523.033
262	Tape bearing dim 10 x 1 x 46	1	2132.114
263	Tape bearing dim 10 x 1 x 105	1	2132.096
264	Hexagon head screw M16 x 75	8	1424.108
265	Countersunk socket cop. screw M12 x 25	1	1413.115
266	Hexagon head screw M12 x 30	2	1413.386
267	Shaft nut KM9 - M45	1	1514.201
268	Seeger ring dia. 14 x 1,0, DIN 471	1	1437.207
	Oil injection		
316	V-joint 22-RL	1	1349.153
317	Check valve RVS	1	1364.163
318	O-ring dia. 33,05 x 1,78	1	1331.537
319	Valve seat	1	3042.077



Pos	Designation	No	Part no
	External oil piping		
320-1	Pipe set (L)	1	3049.026
320-2	Pipe set (S)	1	3049.029
321	Pipe clamp dia. 3 x 12	1	2532.012
	Capacity indication		
350-1	Position transmitter SA96DX, L	1	1373.316
350-2	Position transmitter SA96DX, S	1	1373.317
356	Alu. pipe 320 mm	1	1116.037
	Adjusting system for Vi-slide, AUT		
371	Sealing ring OD 70 mm	1	1332.126
372	Retainer for Alu.pipe	1	3045.070
380	Cover for Slide Stop	1	3013.435
381	O-ring dia. 101,19 x 3,53	1	1331.575
382	Cylinder screw M12 x 35	4	1413.387
384	Attachment for sealing ring	1	3044.034
385	Cylinder screw M4 x 16	2	1413.320
387	Cylinder screw M6 x 12	2	1413.339
410-1	Transmitter SA96DX, S	1	1373.318
410-2	Transmitter SA96DX, L	1	1373.315
411	Gasket 27/35	1	1331.433
412	Cylinder screw M6 x 30	2	1413.343
416	Alu.pipe 143 mm	1	1116.039
	Oil filter		
450	Oil filter cover	1	3013.474
452	O-ring dia. 132,94 x 3,53	1	1331.583
453	O-ring dia. 101,19 x 3,53	1	1331.575
455	Lock nut M10	1	1433.080
456	Cylinder screw M12 x 35	4	1413.387
458	Stay bolt for magnet	1	2111.127
459	Magnets for oil filter	4	1517.022

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Pos	Designation	No	Part no
460	Intermediate ring	4	3424.039
461	Rubber ring	2	1334.012
462	Plug 1/4"	2	1343.025
463	Gasket 14/21	2	1331.428
470	Oil filter cartridge	1	1517.015
475	O-ring dia. 63,9 x 3,53	1	1331.565
476	Cylinder screw M12 x 30	4	1413.386
	Oil flow switch		
500	Terminal box	1	1554.001
501	Cover for flow switch	1	3041.004
502	O-ring dia. 132,94 x 3,53	1	1331.583
506	Gasket 27/35	1	1331.433
507	Flow switch with float UNS1000	1	1553.262
512	Cylinder screw M12 x 35	4	1413.387
	Plugging		
520	Plug 1/2"	1	1343.027
521	Gasket 22/29	1	1331.430
525	Plug 3/4"	1	1343.028
526	Gasket 27/35	1	1331.433
530	Plug 1/4"	1	1343.025
531	Gasket ring 19/14 x 1,5	1	2356.124
	Economizer inlet		
600	Eco-plug	1	3013.111
601	Cylinder screw M12 x 30	4	1413.386
602	Cylinder screw M8 x 30	2	1413.358
603	O-ring dia. 53,57 x 3,53	1	1331.562
	Relief valve		
700-1	Back pressure independent valve, BSV 8-18 bar	1	2416.202
700-2	Back pressure independent valve, BSV 8-22 bar	1	2416.224



Pos	Designation	No	Part no
	Pilot operated valve, DN50-DN80 (POV 1050/2150)		
701-A	Connection line for POV1050	1	3014.062
701-B	Connection line for POV 2150	1	3049.173
702-A	Cylinder screw M12 x 150	4	1413.063
702-B	Cylinder screw M10 x 180	4	1413.451
703-A	O-ring dia. 63,09 x 3,53	1	1331.565
703-B	O-ring dia. 88,49 x 3,53	1	1331.572
704-A	Pilot operated valve, POV1050 (for R717)	1	1364.335
704-B	Pilot operated valve, POV 2150 (for R22 and HCF's)	1	1364.347
704-C	Intermediate piece POV 1050	1	3042.171
704-D	Intermediate piece POV 2150	1	3042.172
	Cover for main valve		
705-A	Cover for POV 1050	1	3013.499
705-B	Cover for POV 2150	1	3013.532
706	Cylinder screw M16 x 40	8	1413.432
707	O-ring dia. 253,37 x 5,33	1	1331.603
	Connection between compr. discharge side and suction side		
710-A	Manifold for POV 1050	1	3013.124
710-B	Manifold for POV 2150	1	3013.167
711-A	O-ring dia. 85,32 x 3,53 POV 1050	1	1331.571
711-B	O-ring dia. 88,49 x 3,53 POV 2150	1	1331.572
712-A	Cylinder screw M12 x 110 POV 1050	3	1413.406
712-B	Cylinder screw M12 x 30 POV 2150	4	1413.386
715-A	Cover POV 1050	1	3013.125
716	Cylinder screw M16 x 40	4	1413.432
717	O-ring dia. 164,69 x 3,53	1	1331.588
720-A	Pipe connection for POV 1050	1	3014.002
720-B	Pipe connection for POV 2150	1	3013.166
721-A	Cylinder screw M12 x 35 POV 1050	8	1413.387
721-B	Cylinder screw M12 x 40 POV 2150	4	1413.388

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Pos	Designation	No	Part no
722-A	O-ring dia. 75,79 x 3,53 POV 1050	2	1331.568
722-B	O-ring dia. 88,49 x 3,53 POV 2150	1	1331.572
	Relief valve connections		
725	Stud coupling A-12 RL	1	1349.053
726	Al-gasket dia. 24/13 x 1,5	1	2356.127
727	Reducer G3/4 - G3/8	1	2312.038
729	Elbow coupling VB 12-RL	1	1349.210
730	Union nut G1	1	2313.017
731	Threaded nipple G3/8	1	2311.065
732	Al-gasket dia. 30/16 x 1,5	1	2356.137
733	Gasket 17/24	1	1331.427
	Signal transducers		
751	Pressure transducer, PT1	1	1373.249
752	Pressure transducer, PT3	1	1373.271
753	Pressure transducer, PT4	1	1373.271
755	Stud coupling	2	1349.137
756	Stud elbow	1	1349.233
761	Temperature transmitter, TT6	1	1373.319
762	Temperature transmitter, TT7	1	1373.281
765	Gasket ring	2	1349.135
766	Reducer G1/2 - G1/4	1	1349.077

S = L/D 1.7	M = Male drive
L = L/D 2.2	F = Female drive



POV 50 (before october 2003)			
Pos. no	Description	Pcs.	Part no.
701	Connection line for POV 50	1	3049.032
702	Cylinder screw M12 x 25	4	1413.385
703	O-ring ø63.09 x 3.53	1	1331.565
704	Pilot operated valve, POV 50 (for R717)	1	2417.046
705	Cover for POV 50	1	3013.126
706	Cylinder screw M16 x 40	8	1413.432
707	O-ring ø253.37 x 5.33	1	1331.603
710	Manifold for POV 50	1	3013.124
711	O-ring ø85.32 x 3.53	1	1331.571
712	Cylinder screw M12 x 110	3	1413.406
715	Cover POV 50	1	3013.125
716	Cylinder screw M16 x 40	4	1413.432
717	O-ring ø 164.69 x 3.53	1	1331.588
720	Pipe connection for POV 50	1	3014.002
721	Cylinder screw M12 x 30	8	1413.386
722	O-ring ø75.79 x 3.53	2	1331.568

POV 80 (before february 2006)			
Pos. no	Description	Pcs.	Part no.
701	Connection line for POV 80	1	3049.033
702	Cylinder screw M12 x 30	4	1413.386
703	O-ring ø88.49 x 3.53	1	1331.572
704	Pilot operated valve, POV 80 (for R22 and HFC's)	1	2417.058
705	Cover for POV 80	1	3013.163
706	Cylinder screw M16 x 40	8	1413.432
707	O-ring ø253.37 x 5.33	1	1331.603
710	Manifold for POV 80	1	3013.167
711	O-ring ø88.49 x 3.53	1	1331.572
712	Cylinder screw M12 x 30	4	1413.386
716	Cylinder screw M16 x 40	4	1413.432
717	O-ring ø 164.69 x 3.53	1	1331.588
720	Pipe connection for POV 80	1	3013.167
721	Cylinder screw M12 x 40	8	1413.388
722	O-ring ø88.49 x 3.53	1	1331.572

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Spare parts - SAB 202

POV 1050 (after october 2003)			
Pos. no	Description	Pcs.	Part no.
701	Connection line for POV 1050	1	3049.062
702	Cylinder screw M12 x1505	4	1413.063
703	O-ring ø63.09 x 3.53	1	1331.565
704	Pilot operated valve, POV 1050 (for R717)	1	1364.335
704	Intermediate piece, POV 1050	1	3042.171
705	Cover for POV 1050	1	3013.499
706	Cylinder screw M16 x 40	8	1413.432
707	O-ring ø253.37 x 5.33	1	1331.603
710	Manifold for POV 1050	1	3013.124
711	O-ring ø85.32 x 3.53	1	1331.571
712	Cylinder screw M12 x 110	3	1413.406
715	Cover POV 1050	1	3013.125
716	Cylinder screw M16 x 40	4	1413.432
717	O-ring ø 164.69 x 3.53	1	1331.588
720	Pipe connection for POV 1050	1	3014.002
721	Cylinder screw M12 x 35	8	1413.387
722	O-ring ø75.79 x 3.53	2	1331.568

POV 2150 (after february 2006)			
Pos. no	Description	Pcs.	Part no.
701	Connection line for POV 2150	1	3049.173
702	Cylinder screw M10 x 180	4	1413.451
703	O-ring ø88.49 x 3.53	1	1331.572
704	Pilot operated valve, POV 2150 (for R22 and HFC's)	1	1364.347
704	Intermediate piece, POV 2150	1	3042.172
705	Cover for POV 2150	1	3013.532
706	Cylinder screw M16 x 40	8	1413.432
707	O-ring ø253.37 x 5.33	1	1331.603
710	Manifold for POV 2150	1	3013.167
711	O-ring ø88.49 x 3.53	1	1331.572
712	Cylinder screw M12 x 30	4	1413.386
716	Cylinder screw M16 x 40	4	1413.432
717	O-ring ø 164.69 x 3.53	1	1331.588
720	Pipe connection for POV 2150	1	3013.167
721	Cylinder screw M12 x 40	8	1413.388
722	O-ring ø88.49 x 3.53	1	1331.572