

List of parts for SAB 163 Mk 2

Relevant drawing: 0661-810

Unless otherwise stated all measurements are given in mm.

Pos.	Designation	Quantity		Part no.
		Aut. Vi	Man. Vi	
	Complete compressor, female drive, Man. V _i		1(F)	4161-037
	Complete compressor, female drive, Aut. V _i	1(F)		4161-038
	Complete compressor, male drive, Man. V _i		1(M)	4161-042
	Complete compressor, male drive, Aut. V _i	1(M)		4161-043
	Compressor housing			
10	Rotor housing, SAB 163 H	1	1	3011-006
11	Unbrako plug for piping type P 1/4"	2	2	1343-141
	Bearing cover at suction end			
20	Suction cover for SAB 163 H	1	1	3013-066
21	O-ring 380.37 x 5.33	1	1	1331-187
22	Cylindrical pin dia.16 x 50	2	2	1445-091
23	Cylinder screw M16 x 45	16	16	1413-433
24	Plug with rim 3/8" RG hexagon socket	1	1	1343-026
25	Aluminium gasket dia. 24/18 x 1,5	1	1	2356-128
	Bearing cover at discharge end			
40	Cover for bearings	1	1	3013-017
43	Cylinder screw M10 x 35	6	6	1413-373
44	Adjusting screw M20	2	2	2111-122
45	Locking screw M6 x 10	4	4	1413-231
	Capacity regulating cylinder			
50	Capacity cylinder	1	1	3043-009
51	O-ring 107.54 x 3.53	1	1	1331-085
52	Cylinder screw M12 x 40	3	3	1413-388
	Cover for capacity regulating cylinder			
60	Cover for capacity cylinder	1	1	3013-071
61	O-ring 120.24 x 3.53	1	1	1331-089
62	Cylinder screw M12 x 30	4	4	1413-386
	Housing for capacity indicator			
70	Capacity indicator housing	1	1	3045-002
71	Cylinder screw M6 x 30	4	4	1413-343
72	Capacity indicator cover	1	1	3045-003
73	Cylinder screw M6 x 50	4	4	1413-347
74	O-ring 98.02 x 3.53	1	1	1331-081
75.1	Sight glass for capacity indicator	1	1	3045-006
	Shaft seal cover			
80	Shaft seal cover	1	1	3013-035
81	O-ring 113.89 x 3.53	1	1	1331-087
82A	Cylinder screw M12 x 50	1	1	1413-390
82B	Cylinder screw M12 x 35	2	2	1413-387

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Pos.	Designation	Quantity		Part no.
		Aut. Vi	Man. Vi	
83	Driving pin dia. 4 x 8	1	1	1446-019
86	Hose connecting branch 1/4"	1	1	1345-143
87	Clear plastic hose 3/16" x 300 mm	1	1	1241-190
88	Plug with rim 1/4"	2	2	1343-025
89	Aluminium gasket 19/14 x 1.5	2	2	2356-124
	Cap cover			
90	Cap cover	1	1	3013-036
91	O-ring 113.89 x 3.53	1	1	1331-087
92	Cylinder screw M12 x 35	3	3	1413-387
	Cover for slide stop			
100	Slide stop cover		1	3013-068
101	O-ring 78.97 x 3.53		1	1331-076
102	Cylinder screw M12 x 35		4	1413-387
103	Bearing retainer		1	3021-018
104	Cylinder screw M6 x 20		4	1413-341
105	Locking plate		1	2114-043
	Rotors and suction end bearings			
110	Rotor set for SAB 163 H, female drive	1(F)	1(F)	3024-006
110	Rotor set for SAB 163H, male drive	1(M)	1(M)	3024-071
111	Radial roller bearing	2	2	1513-017
113	Oil splash ring external dia. 46	1	1	1437-287
114	Washer for bearing	2	2	3021-007
115	Cylinder screw M16 x 45	2	2	1413-433
118	Driving pin dia. 4.0 x 10	1	1	1446-012
119	Driving lug	2	2	3021-009
120	Balance piston, suction end	1	1	3025-008
	Discharge end bearings, female rotor			
130	Balance piston dia. 75	1	1	3025-012
131	Radial roller bearing dia. 55/120 x 43	1	1	1513-017
132	Four point bearing dia 55/120 x 29	1	1	1513-029
133	Set of shims dia. 100/120, for adjusting the clearance between the rotors and outlet ports, Comprising:	1	1	2124-082
	1 off thickness 0.49 mm			
	1 off - 0.52 mm			
	1 off - 0.55 mm			
	1 off - 0.58 mm			
	1 off - 0.61 mm			
	1 off - 0.64 mm			
	1 off - 0.67 mm			
	Discharge end bearings, male rotor			
135	Balance piston dia. 75	1	1	3025-012
136	Radial roller bearing dia. 60/130 x 46	1	1	1513-013
137	Four point bearing dia. 60/130 x 31	1	1	1513-030

Pos.	Designation	Quantity		Part no.
		Aut. Vi	Man. Vi	
138	Set of shims dia. 105/130 for adjusting the clearance between the rotors and outlet ports, Comprising: 1 off thickness 0.49 mm 1 off - 0.52 mm 1 off - 0.55 mm 1 off - 0.58 mm 1 off - 0.61 mm 1 off - 0.64 mm 1 off - 0.67 mm	1	1	2124-083
	Discharge end ports			
140	Outlet port (male rotor)	1	1	3031-017
141	Outlet port (female rotor)	1	1	3031-018
142	Cylinder screw M10 x 150	6	6	1413-376
143	Steel gasket dia. 16/10 x 2	6	6	2351-030
	Parts for adjusting rotors			
151	Inner cover (male rotor)	1	1	3013-019
152	O-ring 123.42 x 3.53	1	1	1331-090
153	Inner cover (female rotor)	1	1	3013-045
154	O-ring 113.89 x 3.53	1	1	1331-087
	Shaft seal			
160	Shaft seal type 680	1	1	1332-162
	Suction filter			
170	Suction filter	1	1	3042-034
174	Filter bag	1	1	3425-110
175	Circlip for filter bag	2	2	3424-081
176	Support for filter bag	1	1	2143-097
	Adjusting system for V₁-slide			
180	Spindle for slide stop		1	3044-012
182	Sealing washer for slide stop		1	3044-014
183	Gasket ID 22-3		1	1331-503
184	O-ring 44.04 x 3.53		1	1331-065
186	Axial ball bearing dia. 42/25 x 11		2	1512-015
	Slide stop			
190	Slide stop (included in pos. 192 and pos. 370)			
	Man. V₁-slide			
191	Spring	1	1	1523-030
192	Slide control (including slide stop, pos. 190)		1	3044-029
193	Cylinder screw M10 x 25	1	1	1413-371
194	Stop washer for slide stop	1	1	3044-023

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Pos.	Designation	Quantity		Part no.
		Aut. Vi	Man. Vi	
	Capacity regulating slide			
200	Capacity slide	1	1	3043-091
201	Inner piston slide	1	1	3043-092
202	Outer piston slide	1	1	3043-093
203	O-ring 53.57 x 3.53	1	1	1331-068
204	Gasket	1	1	1332-107
205	Cylindrical pin dia. 6 x 12	1	1	1445-075
206	Cylinder screw M6 x 25	4	4	1413-342
207	Slide rod	1	1	3043-111
209	O-ring 21.82 x 3.53	1	1	1331-020
	Spindle for capacity regulation			
210.1	Spindle for capacity indicator	1	1	3045-014
211	Radial ball bearing	1	1	1511-012
212	Gasket ID 18-2.15	1	1	1331-502
213	Locking ring OD 35 x 1.5	1	1	1437-148
214	Locking ring ID 15 x 1.0	1	1	1437-206
215	Spacer ring	1	1	3045-016
	Capacity indication			
221	Indicator disc for capacity indicator	1	1	3045-001
223	Cylinder screw M4 x 10	1	1	1413-319
224	Aluminium gasket dia. 105/90 x 1.5	1	1	2356-155
227	Locking washer DC 8/4.3	1	1	1437-060
	Suction gas inlet			
251	O-ring dia. 171.04 x 3.53	1	1	1331-102
252	O-ring dia.190.09 x 3.53	1	1	1331-105
253	Inlet flange	1	1	3013-062
254	Cylinder screw M16 x 50	8	8	1413-434
255	Cylinder screw M12 x 45	10	10	1413-389
256	Sealing washer dia. 18/12 x 2	10	10	2356-303
	Non-return valve			
260	Piston on non-return valve	1	1	3042-003
261	Spring	1	1	1523-018
262	Cylinder screw M8 x 20	6	6	1413-356
263	Bushing on non-return valve	1	1	3042-021
	Suction side throttling system			
270	Cylinder on automatic valve	1	1	3042-001
271	Piston on automatic valve	1	1	3042-033
272	Spring	1	1	1523-017
273	Retaining plate for spring	1	1	3042-017
274	Cylinder screw M8 x 16	1	1	1413-355
275	Support for retaining plate	1	1	3042-032

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Pos.	Designation	Quantity		Part no.
		Aut. Vi	Man. Vi	
276	Cylinder screw M12 x 45	1	1	1413-389
277	Gasket dia. 18/12 x 2	1	1	2356-303
278	O-ring 171.04 x 3.53	1	1	1331-102
279	Flange for cylinder	1	1	3013-058
280	Cylinder screw M16 x 50	8	8	1413-434
281	O-ring 190.09 x 3.53	1	1	1331-105
282	Cylinder screw M8 x 35	12	12	1413-359
283	Cylinder screw M8 x 16	6	6	1413-355
284	Lining in non-return valve	1	1	3042-020
285	Distance piece for non-return valve	1	1	3042-031
	Economizer inlet			
290	ECO plug	1	1	3013-070
291	Cylinder screw M12 x 30	2	2	1413-386
292	O-ring 37.69 x 3.53	1	1	1331-030
	HLI inlet			
300	HLI plug	2	2	3013-069
301	Cylinder screw M12 x 30	4	4	1413-386
302	O-ring 21.95 x 1.78 (upto and incl. compr. no 101914)	2	2	1331-007
302	O-ring 23.39 x 3,53 (from compr. no 101915)	2	2	1331-022
	Connecting parts for slide rod			
310	Washer for slide rod	1	1	3043-109
311	Cylinder screw M10 x 65	1	1	1413-383
	External oil piping			
320	Pipe set complete, A	1	1	3049-007
330	Pipe set complete, B (included in pos. 320)			
	End position switches for capacity slide (optional)			
340	Limit switch	2	2	1553-017
341	Cam disc	2	2	3045-004
342	Nut M8	2	2	1432-063
343	Nut with recess	2	2	2314-094
344	Locking washer DC 15/8.4	1	1	1437-054
	Electrical signal transmitter for capacity slide position (optional)			
350	Turning transmitter	1	1	3448-004
351.1	Sight glass for transmitter	1	1	3045-007
352	Screw for transmitter M3 x 10	4	4	1412-187
	Limitation of minimum capacity (optional)			
228	Spacer ring for SAB 163H	1	1	3045-029
229	O-ring dia. 110.00 x 0.50	1	1	1001-007

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Pos.	Designation	Quantity		Part no.
		Aut. Vi	Man. Vi	
210.2	Spindle (replaces pos. 210.1)	1	1	3045-020
75.2	Glass for indicator, SAB 128/163 (replaces pos. 75.1)	1	1	3045-036
351.2	Glass for indicator, SAB 128/163 for turning transmitter (replaces pos. 351.1)	1	1	3045-037
	Aut. Vi slide			
370	Slide control for auto. Vi (including slide stop pos.190)	1		3044-043
371	Gasket dia. 72	1		1332-119
372	Piston for Auto. Vi	1		3044-042
373	Cylindrical pin dia. 6 x 12 (included in pos. 372)			1445-075
374	Cylinder screw M6 x 12	4		1413-339
	Cover for slide stop			
380	Slide stop cover for auto. Vi	1		3013-117
381	O-ring 78.97 x 3.53	1		1331-076
382	Cylinder screw M12 x 30	4		1413-386
	Spindle for Vi indication			
390	Spindle for auto. Vi	1		3044-018
391	Locking ring 15 x 1.0 external	1		1437-206
392	O-ring 37.69 x 3.53	1		1331-030
393	Radial ball bearing	1		1511-012
394	Gasket ID 18-2.15	1		1331-502
395	Driving disc	1		3044-021
396	Cylinder screw M4 x 12	1		1413-318
397	Washer	1		3045-038
	Bearing retainer for Aut. Vi			
400	Bearing retainer for aut. Vi	1		3044-044
401	Cylinder screw M6 x 45	4		1413-346
402	Washer for the transmitter	1		3045-009
403	Cylinder screw M4 x 10	4		1413-319
	Electrical signal transmitter for Vi-slide position (optional)			
410	Turning transmitter	1	1	3448-004
411	Driving lug	1	1	3044-020
412	Pointed screw M4 x 5	1	1	1413-211
413	Clamping pin dia. 1.5 x 12	1	1	1446-010