

PROPERTIES FOR PUMPS
 Pump type: F8B-9
 Pump size: 10-13305-01
 Max. flow: 4000 l/min
 Max. head: 1.2 bar
 Max. speed: 3000 rpm

PERFORMANCE CURVE F8B-9 VP 10-13305-01 (P03) 4000x11 (mm) Impeller 08-8198. M.F. 301216.
 The graph plots Pressure Head (bar) and Flow Rate (l/min) against Speed (rpm).
 Legend: — Flow rate (l/min), — Cold water, — Hot water, — Max. pressure.

Speed (rpm)	Flow Rate (l/min)	Pressure Head (bar)
0	0	1.2
500	1000	1.0
1000	1500	0.8
1500	2000	0.6
2000	2500	0.4
2500	3000	0.2
3000	3500	0.1
3000	4000	0.0

Material List:

No.	Part No.	Desc.	QTY	Unit	Material
1	01-13305-01	Body	1	PC	
2	01-13305-02	Impeller	1	PC	
3	01-13305-03	Shaft	1	420	
4	01-13305-04	Impeller nut	1	420	
5	01-13305-05	Impeller pin	1	420	
6	01-13305-06	Impeller pin	1	420	
7	01-13305-07	Impeller pin	1	420	
8	01-13305-08	Impeller pin	1	420	
9	01-13305-09	Impeller pin	1	420	
10	01-13305-10	Impeller pin	1	420	
11	01-13305-11	Impeller pin	1	420	
12	01-13305-12	Impeller pin	1	420	
13	01-13305-13	Impeller pin	1	420	
14	01-13305-14	Impeller pin	1	420	
15	01-13305-15	Impeller pin	1	420	
16	01-13305-16	Impeller pin	1	420	
17	01-13305-17	Impeller pin	1	420	
18	01-13305-18	Impeller pin	1	420	
19	01-13305-19	Impeller pin	1	420	
20	01-13305-20	Impeller pin	1	420	
21	01-13305-21	Impeller pin	1	420	
22	01-13305-22	Impeller pin	1	420	
23	01-13305-23	Impeller pin	1	420	
24	01-13305-24	Impeller pin	1	420	
25	01-13305-25	Impeller pin	1	420	
26	01-13305-26	Impeller pin	1	420	
27	01-13305-27	Impeller pin	1	420	
28	01-13305-28	Impeller pin	1	420	
29	01-13305-29	Impeller pin	1	420	
30	01-13305-30	Impeller pin	1	420	
31	01-13305-31	Impeller pin	1	420	
32	01-13305-32	Impeller pin	1	420	
33	01-13305-33	Impeller pin	1	420	
34	01-13305-34	Impeller pin	1	420	
35	01-13305-35	Impeller pin	1	420	
36	01-13305-36	Impeller pin	1	420	
37	01-13305-37	Impeller pin	1	420	
38	01-13305-38	Impeller pin	1	420	
39	01-13305-39	Impeller pin	1	420	
40	01-13305-40	Impeller pin	1	420	
41	01-13305-41	Impeller pin	1	420	
42	01-13305-42	Impeller pin	1	420	
43	01-13305-43	Impeller pin	1	420	
44	01-13305-44	Impeller pin	1	420	
45	01-13305-45	Impeller pin	1	420	
46	01-13305-46	Impeller pin	1	420	
47	01-13305-47	Impeller pin	1	420	
48	01-13305-48	Impeller pin	1	420	
49	01-13305-49	Impeller pin	1	420	
50	01-13305-50	Impeller pin	1	420	
51	01-13305-51	Impeller pin	1	420	
52	01-13305-52	Impeller pin	1	420	
53	01-13305-53	Impeller pin	1	420	
54	01-13305-54	Impeller pin	1	420	
55	01-13305-55	Impeller pin	1	420	
56	01-13305-56	Impeller pin	1	420	
57	01-13305-57	Impeller pin	1	420	
58	01-13305-58	Impeller pin	1	420	
59	01-13305-59	Impeller pin	1	420	
60	01-13305-60	Impeller pin	1	420	
61	01-13305-61	Impeller pin	1	420	
62	01-13305-62	Impeller pin	1	420	
63	01-13305-63	Impeller pin	1	420	
64	01-13305-64	Impeller pin	1	420	
65	01-13305-65	Impeller pin	1	420	
66	01-13305-66	Impeller pin	1	420	
67	01-13305-67	Impeller pin	1	420	
68	01-13305-68	Impeller pin	1	420	
69	01-13305-69	Impeller pin	1	420	
70	01-13305-70	Impeller pin	1	420	
71	01-13305-71	Impeller pin	1	420	
72	01-13305-72	Impeller pin	1	420	
73	01-13305-73	Impeller pin	1	420	
74	01-13305-74	Impeller pin	1	420	
75	01-13305-75	Impeller pin	1	420	
76	01-13305-76	Impeller pin	1	420	
77	01-13305-77	Impeller pin	1	420	
78	01-13305-78	Impeller pin	1	420	
79	01-13305-79	Impeller pin	1	420	
80	01-13305-80	Impeller pin	1	420	
81	01-13305-81	Impeller pin	1	420	
82	01-13305-82	Impeller pin	1	420	
83	01-13305-83	Impeller pin	1	420	
84	01-13305-84	Impeller pin	1	420	
85	01-13305-85	Impeller pin	1	420	
86	01-13305-86	Impeller pin	1	420	
87	01-13305-87	Impeller pin	1	420	
88	01-13305-88	Impeller pin	1	420	
89	01-13305-89	Impeller pin	1	420	
90	01-13305-90	Impeller pin	1	420	
91	01-13305-91	Impeller pin	1	420	
92	01-13305-92	Impeller pin	1	420	
93	01-13305-93	Impeller pin	1	420	
94	01-13305-94	Impeller pin	1	420	
95	01-13305-95	Impeller pin	1	420	
96	01-13305-96	Impeller pin	1	420	
97	01-13305-97	Impeller pin	1	420	
98	01-13305-98	Impeller pin	1	420	
99	01-13305-99	Impeller pin	1	420	
100	01-13305-100	Impeller pin	1	420	

Notes:
 1. The pump must be installed vertically.
 2. The pump must be installed in a clean, dry location.
 3. The pump must be installed in a location where it can be easily accessed for maintenance.
 4. The pump must be installed in a location where it can be easily accessed for replacement of the impeller.
 5. The pump must be installed in a location where it can be easily accessed for replacement of the shaft.
 6. The pump must be installed in a location where it can be easily accessed for replacement of the impeller nut.
 7. The pump must be installed in a location where it can be easily accessed for replacement of the impeller pin.
 8. The pump must be installed in a location where it can be easily accessed for replacement of the impeller pin.
 9. The pump must be installed in a location where it can be easily accessed for replacement of the impeller pin.
 10. The pump must be installed in a location where it can be easily accessed for replacement of the impeller pin.

**F8B-9 Impeller pump
Art. No. 10-13305-01**

Part. No.	Description GB	Position	Quantity
01-13262-1	PUMP HOUSING F8B-9 (VP)	1	1
01-35910	SHAFT F8B-9	2	1
01-42680	CAM 1/1 F8B-	3	1
01-42423	WEARPLATE F8/F80/F9/F95B-	4	1
01-42426	PIN	5	1
01-35163-3	ENDCOVER F8B-9 (VP)	6	1
0.2172.142	O-RING 90.00X2.5 NBR70	7	1
0.0503.027	WOODRUFFKEY 3X4.8X13 ST	8	1
0.2172.573	O-RING 23.4X3.53 BS1806 NBR70	9	1
01-46284-4	SPACER F8B-9	10	1
0.0138.134	TAP BOLT M6X12 DIN933 A2	11	5
01-46794-02	SCREW 1/4"-20UNCX10 AL.BRONZE	12	1
0.3431.525	BALL BEARING 6305	13	2
0.2247.008	MECH.SEAL COMPL FA25.47.14	14	1
0.2234.010	LIP SEAL .25X40X7 DIN3760	15	1
0.0370.525	EXT. CIRCLIP D25 DIN471 ST	16	1
0.0371.062	RETAIN. RING BORE D62 DIN472 SPRST	17	1
08-819B	IMPELLER F8B-9	18	1
0.0370.025	EXT. CIRCLIP D25 DIN471 ST	19	2
07-3830720	GEAR	20	1
07-971099	FLANGE LOCK NUT M12, STEEL ISO 7044	21	1