

Pressure max.	2-pole motor rotation speed 3500 RPM							4-pole motor rotation speed 1750 RPM					
	Flow at viscosity		Power consumption at viscosity		Motor	Motor	Weight	Flow at viscosity		Power consumption at viscosity		Motor	Weight
	1 mm ² /s	20 mm ² /s	1 mm ² /s	20 mm ² /s	immersion version	foot mounted version	kg	1 mm ² /s	20 mm ² /s	1 mm ² /s	20 mm ² /s	kW	kg
Type / bar	l/min	l/min	kW	kW	kW	kW	kg	l/min	l/min	kW	kW	kW	kg
BFS 238/	Q_{Th}¹⁾ 37.4	–	–	–	–	–	–	Q_{Th}¹⁾ 18.7	–	–	–	–	–
10	35.2	36.5	0.9	0.9	B 1.5	1.3	40	16.5	17.8	0.4	0.4	0.86	29
20	34.5	36.2	1.6	1.6	B 1.75	1.75	40	15.8	17.5	0.8	0.8	0.86	29
30	33.8	35.9	2.2	2.2	B 2.55	2.55	44	15.1	17.2	1.1	1.1	1.3	32
40	33.1	35.6	2.8	2.9	B 3.0	3.45	44	14.4	16.9	1.4	1.4	1.75	34
50	32.4	35.3	3.4	3.5	B 3.8	4.6	55	13.7	16.6	1.7	1.8	2.55	41
60	31.7	35.1	4.1	4.2	B 4.6	4.6	57	13.0	16.4	2.0	2.1	2.55	41
70	31.0	34.8	4.7	4.8	B 5.75	6.3	74	12.3	16.1	2.3	2.4	2.55	41
80	30.3	34.5	5.3	5.5	B 5.75	6.3	74	11.6	15.8	2.6	2.7	3.45	46
90	29.6	34.2	5.9	6.1	B 6.3	6.3	74	–	15.5	–	3.1	3.45	46
100	29.0	34.0	6.6	6.8	B 8.6	8.6	82	–	15.3	–	3.4	3.45	46
110	28.3	33.7	7.2	7.4	B 8.6	8.6	82	–	15.0	–	3.7	4.6	53
120	27.6	33.4	7.8	8.1	B 8.6	8.6	82	–	14.7	–	4.1	4.6	53
130	27.0	33.1	8.4	8.8	B 11.5	12.6	97	–	14.4	–	4.4	6.3	63
140	26.3	32.9	9.0	9.4	B 11.5	12.6	97	–	14.2	–	4.7	6.3	63
150	25.7	32.6	9.7	10.1	B 11.5	12.6	97	–	13.9	–	5.0	6.3	63
BFS 250/	Q_{Th}¹⁾ 49.2	–	–	–	–	–	–	Q_{Th}¹⁾ 24.6	–	–	–	–	–
10	46.4	48.0	1.1	1.2	B 1.75	1.75	40	21.8	23.4	0.5	0.6	0.86	29
20	45.4	47.7	2.0	2.0	B 2.2	2.55	44	20.8	23.0	1.0	1.0	1.3	32
30	44.5	47.3	2.8	2.9	B 3.0	3.45	44	19.9	22.7	1.4	1.4	1.75	34
40	43.6	46.9	3.6	3.8	B 3.8	4.6	55	19.0	22.3	1.8	1.9	2.55	41
50	42.7	46.6	4.4	4.6	B 5.75	6.3	74	18.1	21.9	2.2	2.3	2.55	41
60	41.9	46.2	5.2	5.5	B 5.75	6.3	74	17.3	21.6	2.6	2.7	3.45	46
70	41.1	45.8	6.1	6.3	B 8.6	8.6	82	16.5	21.2	3.0	3.2	3.45	46
80	40.3	45.4	6.9	7.2	B 8.6	8.6	82	15.7	20.8	3.4	3.6	4.6	53
90	39.6	45.1	7.7	8.1	B 8.6	8.6	82	–	20.4	–	4.0	4.6	53
100	38.9	44.7	8.5	8.9	B 11.5	12.6	97	–	20.1	–	4.5	4.6	53
110	–	44.3	–	9.8	B 11.5	12.6	97	–	19.7	–	4.9	6.3	63
120	–	43.9	–	10.5	B 11.5	12.6	97	–	19.3	–	5.3	6.3	63
130	–	43.5	–	11.5	B 11.5	12.6	97	–	18.9	–	5.8	6.3	63
140	–	43.1	–	12.3	–	17.3	101	–	18.5	–	6.2	8.6	78
150	–	42.7	–	13.2	–	17.3	101	–	18.1	–	6.6	8.6	78
BFS 260/	Q_{Th}¹⁾ 59.0	–	–	–	–	–	–	Q_{Th}¹⁾ 29.5	–	–	–	–	–
10	55.6	57.6	1.3	1.5	B 2.2	2.55	44	26.1	28.0	0.6	0.7	0.86	29
20	54.4	57.0	2.3	2.5	B 3.0	3.45	44	24.9	27.5	1.1	1.3	1.3	32
30	53.3	56.4	3.3	3.6	B 3.8	4.6	55	23.8	26.9	1.6	1.8	2.55	41
40	52.1	55.8	4.3	4.6	B 4.6	6.3	57	22.6	26.3	2.1	2.3	2.55	41
50	51.0	55.2	5.2	5.7	B 5.75	6.3	74	21.5	25.7	2.6	2.9	3.45	46
60	49.8	54.6	6.2	6.7	B 8.6	8.6	82	20.3	25.1	3.1	3.4	3.45	46
70	48.6	54.0	7.2	7.8	B 8.6	8.6	82	19.1	24.5	3.6	3.9	4.6	53
80	47.5	53.4	8.2	8.8	B 11.5	12.6	97	18.0	23.9	4.1	4.4	4.6	53
90	46.3	52.8	9.2	9.9	B 11.5	12.6	97	–	23.2	–	5.0	6.3	63
100	45.1	52.1	10.2	11.0	B 11.5	12.6	97	–	22.6	–	5.5	6.3	63
110	–	51.5	–	12.1	–	12.6	97	–	22.0	–	6.0	8.6	78
120	–	50.8	–	13.1	–	17.3	101	–	21.3	–	6.6	8.6	78

¹⁾ Q_{Th}: Theoretical flow rate

Higher pressures (up to 200 bar) upon request

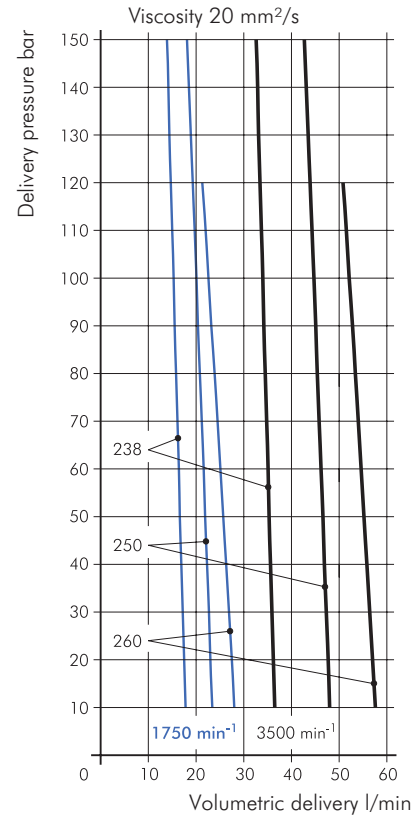
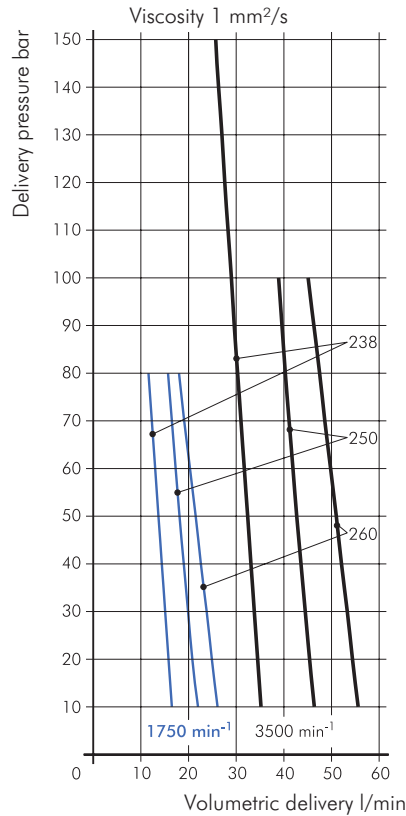
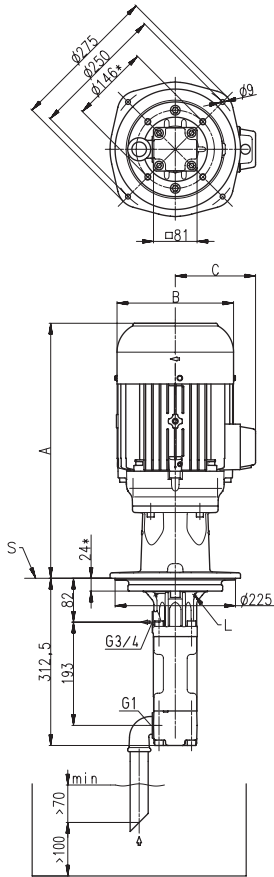


High pressure pumps

Screw spindles

BFS/FFS 238 - 250 - 260

60 Hz

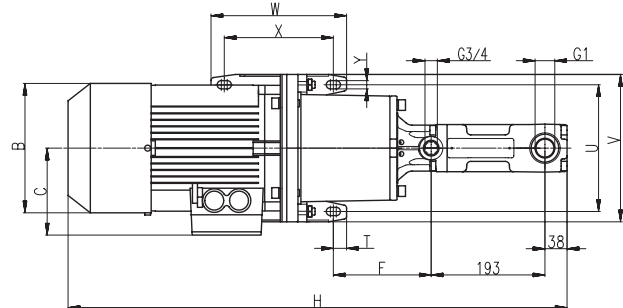
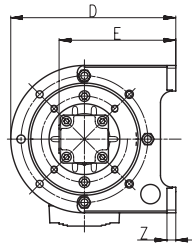


L = Leakage hole

S = Mounting plate, please find the cut-out of mounting hole on page 43.

*) Dimensions for 4-pole standard motor upon request

Motor 2 pole kW	A mm	B mm	C mm
B 1.5 / 1.95	389	176	130
B 2.2 / 2.55	414	176	130
B 3.0	424	218	150
B 3.8 / 4.6	478	218	150
B 5.75 / 6.3	514	258	190
B 8.6	552	258	190
B 11.5	602	258	190



Motor 2 pole kW	Motor 4 pole kW	B mm	C mm	D mm	E mm	F mm	H mm	T mm	U mm	V mm	W mm	X mm	Y mm	Z mm
0.86	-	163	120	212	155	138	682	15.0	180	210	90	60	11	12
1.3	0.86	163	120	212	155	138	717	15.0	180	210	90	60	11	12
1.75	1.3	180	128	212	155	138	730	15.0	180	210	90	60	11	12
2.55	1.75	183	128	212	155	138	757	15.0	180	210	90	60	11	12
3.45	2.55	203	135	280	198	167	822	22.5	215	250	230	185	14	15
-	3.45	203	135	280	198	167	867	22.5	215	250	230	185	14	15
4.6	4.6	227	148	280	198	167	848	22.5	215	250	230	185	14	15
6.3	6.3	267	167	335	228	171	869	22.5	265	300	270	225	14	18
8.6	8.6	267	167	335	228	171	907	22.5	265	300	270	225	14	18
12.6 / 17.3	12.6	320	197	410	278	183	1006	20.0	300	350	305	265	18	18

