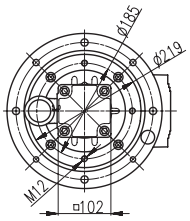
High pressure pumps
Screw spindles

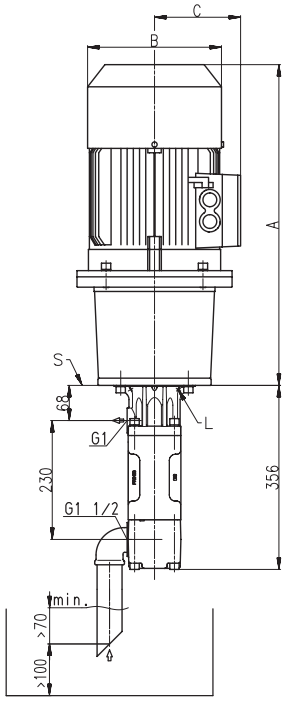
TFS/FFS - 348 - 364 - 376
60 Hz

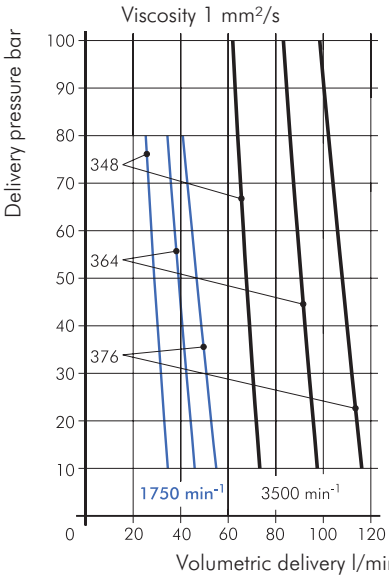
	2-pole motor rotation speed 3500 RPM						4-pole motor rotation speed 1750 RPM					
Pressure max.	Flow at viscosity		Power consumption at viscosity		Motor	Weight	Flow at viscosity		Power consumption at viscosity		Motor	Weight
	1 mm²/s	*20 mm²/s*	1 mm²/s	*20 mm²/s*			1 mm²/s	*20 mm²/s*	1 mm²/s	*20 mm²/s*		
Type / bar	l/min	*l/min*	kW	*kW*	kW	kg	l/min	*l/min*	kW	*kW*	kW	kg
TFS 348/	Q_{Th}[1] 77.4	–	–	–	–	–	Q_{Th}[1] 38.7	–	–	–	–	–
10	73.3	*75.6*	1.8	*1.9*	2.55	47	34.6	*36.9*	0.8	*0.8*	0.86	39
20	71.8	*74.7*	3.1	*3.3*	3.45	52	33.1	*36.0*	1.5	*1.5*	1.75	46
30	70.3	*73.9*	4.4	*4.6*	6.3	73	31.7	*35.3*	2.1	*2.2*	2.55	53
40	69.0	*73.2*	5.7	*6.0*	8.6	86	30.3	*34.5*	2.8	*2.9*	3.45	58
50	67.6	*72.5*	6.9	*7.3*	8.6	86	28.9	*33.8*	3.4	*3.6*	4.6	65
60	66.4	*71.8*	8.2	*8.6*	12.6	104	27.7	*33.1*	4.1	*4.3*	4.6	65
70	65.2	*71.1*	9.5	*10.0*	12.6	104	26.5	*32.4*	4.7	*5.0*	6.3	75
80	64.0	*70.5*	10.8	*11.3*	12.6	104	25.3	*31.8*	5.4	*5.7*	6.3	75
90	62.9	*69.9*	12.1	*12.7*	17.3	113	–	*31.3*	–	*6.4*	8.6	90
100	61.9	*69.4*	13.4	*14.0*	17.3	113	–	*30.7*	–	*7.1*	8.6	90
110	–	*68.9*	–	*15.3*	17.3	113	–	*30.2*	–	*7.8*	8.6	90
120	–	*68.4*	–	*16.7*	17.3	113	–	*29.8*	–	*8.5*	12.6	112
130	–	*68.0*	–	*18.0*	21.3	133	–	*29.3*	–	*9.2*	12.6	112
140	–	*67.6*	–	*19.3*	21.3	133	–	*28.9*	–	*9.9*	12.6	112
150	–	*67.3*	–	*20.7*	24.5	162	–	*28.6*	–	*10.6*	12.6	112
TFS 364/	Q_{Th}[1] 103.2	–	–	–	–	–	Q_{Th}[1] 51.6	–	–	–	–	–
10	97.5	*100.7*	2.2	*2.4*	4.6	63	45.9	*49.1*	1.1	*1.1*	1.3	44
20	95.8	*99.7*	3.9	*4.2*	6.3	73	44.2	*48.1*	1.9	*2.0*	2.55	53
30	94.0	*98.7*	5.7	*6.0*	8.6	86	42.4	*47.1*	2.8	*2.9*	3.45	58
40	92.3	*97.8*	7.4	*7.7*	12.6	104	40.7	*46.2*	3.6	*3.8*	4.6	65
50	90.7	*96.9*	9.1	*9.5*	12.6	104	39.1	*45.3*	4.5	*4.7*	6.3	75
60	89.1	*96.1*	10.8	*11.3*	12.6	104	37.5	*44.5*	5.4	*5.6*	6.3	75
70	87.5	*95.3*	12.5	*13.1*	17.3	113	35.9	*43.7*	6.2	*6.5*	8.6	90
80	86.0	*94.5*	14.3	*14.9*	17.3	113	34.4	*42.9*	7.1	*7.4*	8.6	90
90	84.6	*93.8*	16.0	*16.7*	17.3	113	–	*42.2*	–	*8.3*	8.6	90
100	83.2	*93.2*	17.7	*18.4*	21.3	133	–	*41.6*	–	*9.2*	12.6	112
110	–	*92.5*	–	*20.2*	21.3	133	–	*40.9*	–	*10.1*	12.6	112
120	–	*91.9*	–	*22.0*	24.5	162	–	*40.3*	–	*11.0*	12.6	112
TFS 376/	Q_{Th}[1] 122.5	–	–	–	–	–	Q_{Th}[1] 61.3	–	–	–	–	–
10	116.2	*119.5*	2.5	*2.8*	6.3	73	55.0	*58.3*	1.2	*1.3*	1.3	44
20	114.1	*118.3*	4.6	*4.9*	6.3	73	52.8	*57.1*	2.2	*2.4*	2.55	53
30	112.0	*117.2*	6.6	*7.1*	8.6	86	50.8	*55.9*	3.3	*3.5*	4.6	65
40	110.0	*116.1*	8.7	*9.2*	12.6	104	48.7	*54.9*	4.3	*4.6*	4.6	65
50	108.0	*115.1*	10.7	*11.3*	12.6	104	46.7	*53.8*	5.3	*5.7*	6.3	75
60	106.0	*114.1*	12.8	*13.5*	17.3	113	44.8	*52.9*	6.3	*6.7*	8.6	90
70	104.1	*113.2*	14.8	*15.6*	17.3	113	42.8	*51.9*	7.3	*7.8*	8.6	90
80	102.2	*112.3*	16.8	*17.8*	21.3	133	40.9	*51.0*	8.4	*8.9*	12.6	112
90	100.3	*111.4*	18.9	*19.9*	21.3	133	–	*50.2*	–	*10.0*	12.6	112
100	98.5	*110.6*	20.9	*22.0*	24.5	162	–	*49.4*	–	*11.1*	12.6	112
110	–	*109.9*	–	*24.2*	24.5	162	–	*48.6*	–	*12.2*	17.3	138
120	–	*109.2*	–	*26.3*	33.5	219	–	*48.0*	–	*13.3*	17.3	138

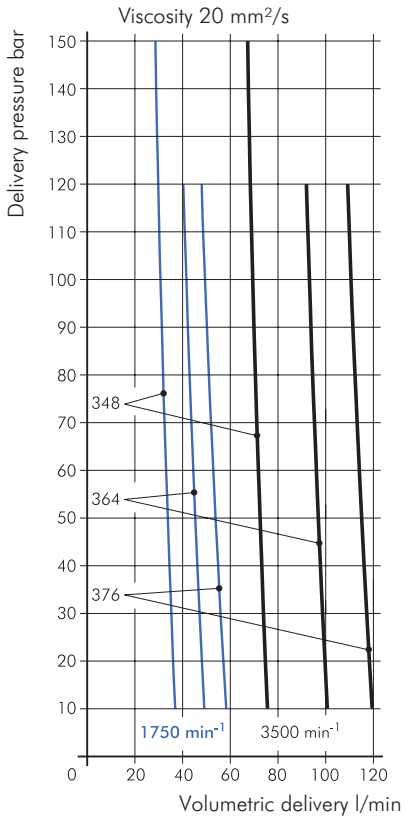
[1] Q_{Th}: Theoretical flow rate

Higher pressures (up to 200 bar) upon request

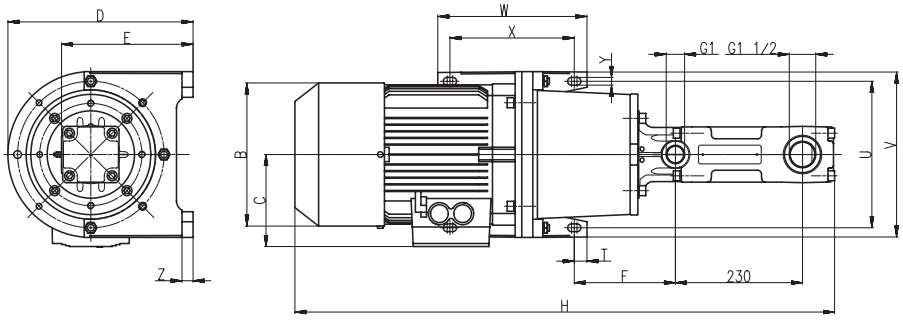








L = Leakage hole
S = Mounting plate, please find the cut-out of mounting hole on page 43.



Motor 2 pole kW	Motor 4 pole kW	A mm	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	427	163	120	212	165	138	783	15.0	180	210	90	60	11	12
–	1.3	444	180	128	212	165	138	800	15.0	180	210	90	60	11	12
2.55	1.75	471	183	128	212	165	138	827	15.0	180	210	90	60	11	12
3.45	2.55	536	203	135	280	208	179	892	22.5	215	250	230	185	14	15
–	3.45	571	203	135	280	208	179	927	22.5	215	250	230	185	14	15
4.6	4.6	562	227	148	280	208	179	918	22.5	215	250	230	185	14	15
6.3	6.3	583	267	167	335	238	183	939	22.5	265	300	270	225	14	18
8.6	8.6	659	267	167	335	238	183	1015	22.5	265	300	270	225	14	18
12.6 / 17.3	12.6	748	320	197	410	288	223	1104	20.0	300	350	305	265	18	18
21.3	17.3	828	320	197	410	288	223	1184	20.0	300	350	305	265	18	18
24.5	21.3 / 24.5	873	363	258	410	288	223	1228	20.0	300	350	305	265	18	18
33.5	33.5	930	402	305	400	253	473	1287	25.0	318	398	355	305	25	34

PUMPS and EQUIPMENT (Warwick) Limited

Pumps & Equipment (Warwick) Ltd. 6 Collins Road Heathcote Industrial Estate, Warwick CV34 6TF
Telephone: 01926 451744 | Fax: 01926 451284 | www.pumps-equip.co.uk