

2-pole motor rotation speed 2900 RPM							4-pole motor rotation speed 1450 RPM					
Pressure max.	Flow at viscosity		Power consumption at viscosity		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			1 mm ² /s	20 mm ² /s	1 mm ² /s	20 mm ² /s		
Type / bar	l/min	l/min	kW	kW	kW	kg	l/min	l/min	kW	kW	kW	kg
TFS 690/	Q_{Th}¹⁾ 459	–	–	–	–	–	Q_{Th}¹⁾ 230	–	–	–	–	–
10	445	450	9.5	11.2	15.0	213	216	220	4.4	5.1	5.5	175
20	437	445	17.1	18.8	22.0	262	207	216	8.3	9.0	11.0	212
30	429	440	24.8	26.5	30.0	319	199	211	12.1	12.8	15.0	238
40	421	436	32.4	34.1	37.0	348	191	206	15.9	16.6	18.5	257
50	414	432	40.1	41.8	45.0	464	184	202	19.7	20.4	22.0	277
60	407	428	47.7	49.4	55.0	559	177	198	23.6	24.3	30.0	333
70	401	424	55.4	57.1	75.0	669	171	194	27.4	28.1	30.0	333
80	395	420	63.0	64.7	75.0	669	165	190	31.2	31.9	37.0	424
TFS 6120/	Q_{Th}¹⁾ 612	–	–	–	–	–	Q_{Th}¹⁾ 306	–	–	–	–	–
10	594	600	12.0	13.7	15.0	213	288	294	5.7	6.4	7.5	190
20	584	594	22.2	23.9	30.0	319	278	288	10.8	11.5	15.0	238
30	574	588	32.4	34.1	37.0	348	268	282	15.9	16.6	18.5	257
40	565	583	42.6	44.3	55.0	559	259	277	21.0	21.7	30.0	333
50	557	578	52.8	54.5	75.0	669	251	272	26.1	26.8	30.0	333
60	549	573	63.0	64.7	75.0	669	243	267	31.2	31.9	37.0	424
70	542	568	73.2	74.9	90.0	754	236	262	36.3	37.0	45.0	464
TFS 6145/	Q_{Th}¹⁾ 740	–	–	–	–	–	Q_{Th}¹⁾ 370	–	–	–	–	–
10	717	725	14.1	15.8	18.5	233	348	355	6.8	7.5	11.0	212
20	704	715	26.5	28.2	30.0	319	334	345	12.9	13.6	15.0	238
30	692	706	38.8	40.5	45.0	464	322	337	19.1	19.8	22.0	277
40	680	698	51.1	52.8	55.0	559	310	328	25.3	26.0	30.0	333
50	669	691	63.4	65.1	75.0	669	299	321	31.4	32.1	37.0	424
60	658	684	75.8	77.5	90.0	754	288	314	37.6	38.3	45.0	464

¹⁾ Q_{Th}: Theoretical flow rate

All 6 series screw pumps with an operating flow rate of 800 l/min or above must be operated with a feed pump which supplies fluid with at least 1 bar of pressure to the pump inlet.

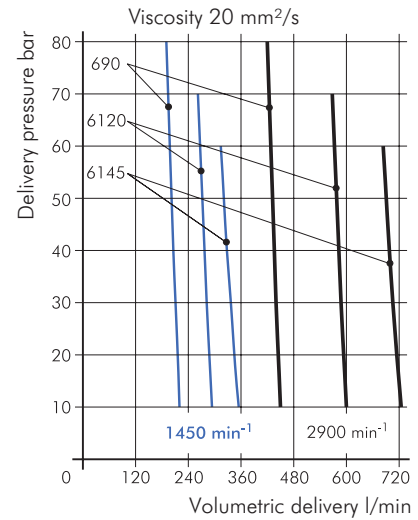
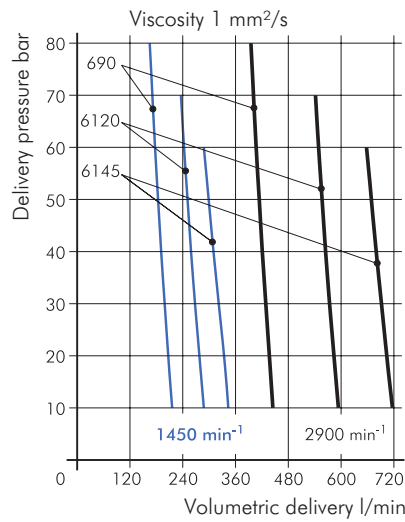
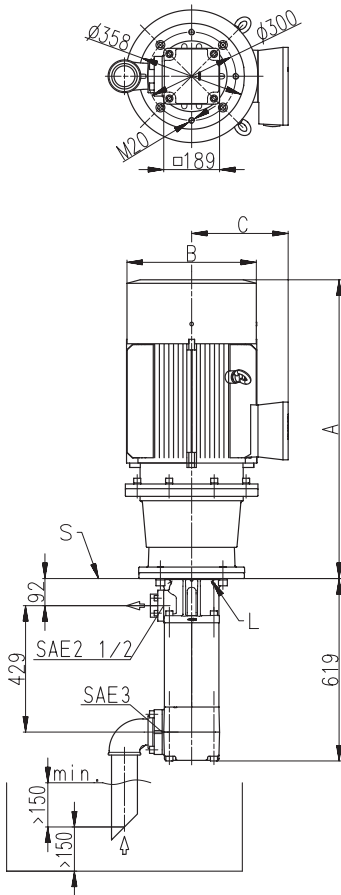


High pressure pumps

Screw spindles

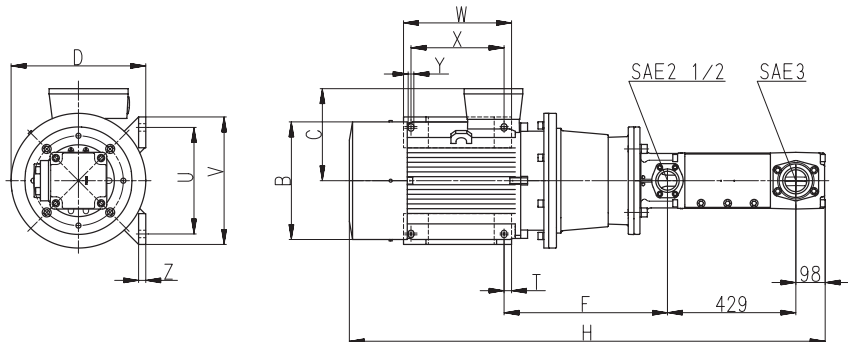
TFS/FFS 690 - 6120 - 6145

50 Hz



L = Leakage hole

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



For mounting patterns of foot-mounted motors smaller than 45 kW please refer to page 19.

Motor 2 pole kW	Motor 4 pole kW	A	B	C	D	F	H	T	U	V	W	X	Y	Z
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
-	5.5	660	267	167	394	285	1279	25	350	400	350	300	18	20
-	7.5	698	267	167	394	285	1317	25	350	400	350	300	18	20
15.0	11.0	779	320	197	420	293	1397	25	350	400	350	300	18	20
18.5	15.0	819	320	197	420	293	1437	25	350	400	350	300	18	20
22.0	18.5 / 22.0	903	363	258	442	293	1529	25	350	400	350	300	18	20
30.0 / 37.0	30.0	958	402	305	461	291	1577	25	350	400	350	300	18	20
-	37.0	974	442	328	516	307	1593	25	400	450	385	335	18	22
45.0	-	1014	442	328	446	546	1634	25	356	436	361	311	19	34
-	45.0	1034	442	328	446	566	1653	25	356	436	361	311	19	34
55	-	1066	505	392	502	581	1685	30	406	490	409	349	24	40
75	-	1160	555	432	558	622	1779	56	457	540	479	368	24	40
90	-	1250	555	432	558	622	1869	30	457	540	479	419	24	40

