

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 mm <sup>2</sup> /s	20 mm <sup>2</sup> /s	1 mm <sup>2</sup> /s	20 mm <sup>2</sup> /s			1 mm <sup>2</sup> /s	20 mm <sup>2</sup> /s	1 mm <sup>2</sup> /s	20 mm <sup>2</sup> /s		
Type / bar	l/min	l/min	kW	kW	kW	kg	l/min	l/min	kW	kW	kW	kg
<b>TFS 690/</b>	<b>Q<sub>Th</sub><sup>1)</sup> 554.0 –</b>		–	–	–	–	<b>Q<sub>Th</sub><sup>1)</sup> 277.0 –</b>		–	–	–	–
10	540	545	11.6	13.3	17.3	213	263	268	5.6	6.2	8.6	190
20	532	540	20.9	22.6	24.5	262	255	263	10.2	10.8	12.6	212
30	524	535	30.1	31.8	33.5	319	247	258	14.9	15.5	17.3	238
40	516	531	39.3	41.0	51.0	464	239	254	19.5	20.1	24.5	277
50	509	527	48.6	50.3	62.0	559	232	250	24.1	24.7	33.5	333
60	502	523	57.8	59.5	62.0	559	225	246	28.7	29.3	33.5	333
70	496	519	67.0	68.7	84.0	669	219	242	33.3	33.9	41.5	424
80	490	515	76.3	78.0	84.0	669	213	238	37.9	38.5	41.5	424
<b>TFS 6120/</b>	<b>Q<sub>Th</sub><sup>1)</sup> 739.0 –</b>		–	–	–	–	<b>Q<sub>Th</sub><sup>1)</sup> 369.0 –</b>		–	–	–	–
10	720	726	14.7	16.4	21.3	233	351	357	7.2	7.8	8.6	190
20	710	721	27.0	28.7	33.5	319	341	351	13.3	13.9	17.3	238
30	701	715	39.3	41.0	51.0	464	331	346	19.5	20.1	21.3	257
40	692	710	51.6	53.3	62.0	559	322	340	25.6	26.2	33.5	333
50	683	704	64.0	65.7	84.0	669	314	335	31.8	32.4	33.5	333
60	676	699	76.3	78.0	84.0	669	306	330	37.9	38.5	41.5	424
70	668	695	88.6	90.3	101	754	299	325	44.1	44.7	51.0	464
<b>TFS 6145/</b>	<b>Q<sub>Th</sub><sup>1)</sup> 893.0 –</b>		–	–	–	–	<b>Q<sub>Th</sub><sup>1)</sup> 446.0 –</b>		–	–	–	–
10	870	878	17.3	19.0	21.3	233	424	432	8.4	9.0	12.6	212
20	857	868	32.2	33.9	41.5	348	411	422	15.9	16.5	21.3	257
30	845	859	47.0	48.7	62.0	559	398	413	23.3	23.9	33.5	333
40	833	851	61.9	63.6	84.0	669	386	405	30.8	31.4	33.5	333
50	822	844	76.8	78.5	84.0	669	375	397	38.2	38.8	41.5	424
60	811	837	91.7	93.4	101	754	365	391	45.6	46.2	51.0	464

<sup>1)</sup> Q<sub>Th</sub>: 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.

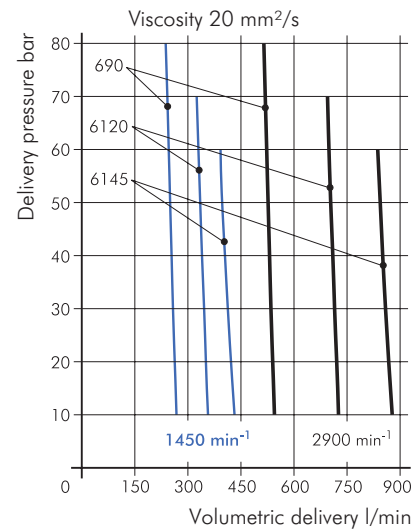
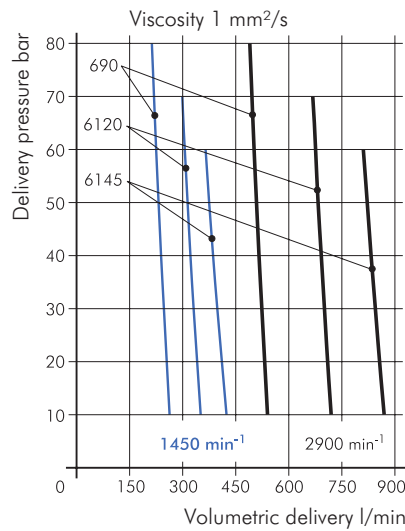
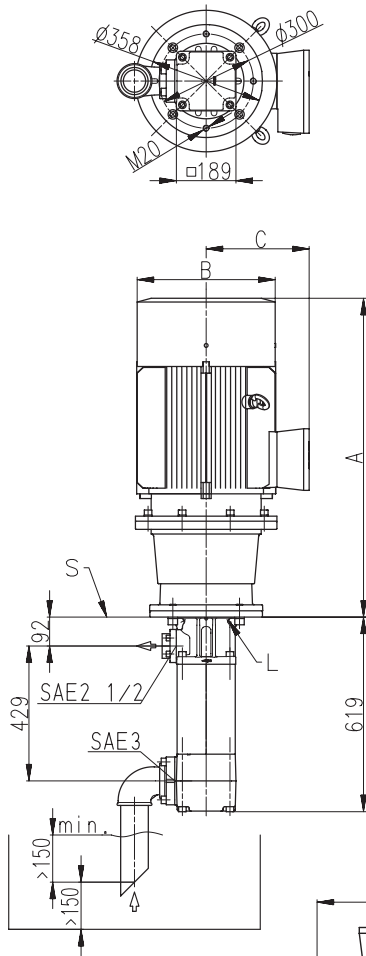


# High pressure pumps

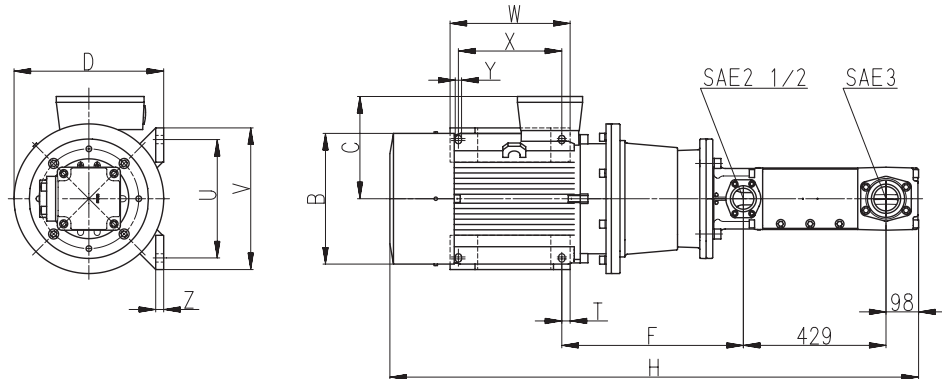
## Screw spindles

# TFS/FFS 690 - 6120 - 6145

## 60 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 33.

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
-	8.6	698	267	167	394	285	1317	25	350	400	350	300	18	20
17.3	12.6	779	320	197	420	293	1397	25	350	400	350	300	18	20
21.3	17.3	819	320	197	420	293	1437	25	350	400	350	300	18	20
24.5	21.3	903	363	258	442	293	1529	25	350	400	350	300	18	20
33.5 / 41.5	33.5	958	402	305	461	291	1577	25	350	400	350	300	18	20
-	41.5	974	442	328	516	307	1593	25	400	450	385	335	18	22
51	-	1014	442	328	446	546	1634	25	356	436	361	311	19	34
-	51	1034	442	328	446	566	1653	25	356	436	361	311	19	34
62	-	1066	505	392	502	581	1685	30	406	490	409	349	25	40
84	-	1160	555	432	558	622	1779	56	457	540	479	368	25	40
101	-	1250	555	432	558	622	1869	30	457	540	479	419	24	40

