

TFS6, FFS6

50 Hz

Screw spindles

2-pole motor rotation speed 2900 RPM							4-pole motor rotation speed 1450 RPM					
Pressure max.	Flow at viscosity		Power consumption of viscosity		Motor	Weight	Flow at viscosity		Power consumption of viscosity		Motor	Weight
	5 SSU	90 SSU	5 SSU	90 SSU			5 SSU	90 SSU	5 SSU	90 SSU		
Type / bar / PSI	GPM	GPM	HP	HP	HP	Lbs	GPM	GPM	HP	HP	HP	Lbs
TFS690/	Q_{Th}¹⁾ 121.3		–	–	–	–	Q_{Th}¹⁾ 60.8		–	–	–	–
10 / 145	117.6	118.9	12.7	15.0	20	439	57.1	58.1	5.9	6.8	10	392
20 / 290	115.5	117.6	22.9	25.2	30	523	54.7	57.1	11.1	12.1	15	437
30 / 435	113.3	116.2	33.3	35.5	40	642	52.6	55.7	16.2	17.2	20	474
40 / 580	111.2	115.2	43.4	45.7	50	688	50.5	54.4	21.3	22.3	25	549
50 / 725	109.4	114.1	53.8	56.1	60	955	48.6	53.4	26.4	27.4	30	567
60 / 870	107.5	113.1	64.0	66.2	75	1120	46.8	52.3	31.6	32.6	40	677
70 / 1015	105.9	112.0	74.3	76.6	100	1396	45.2	51.3	36.7	37.7	40	677
80 / 1160	104.4	111.0	84.5	86.8	100	1396	43.6	50.2	41.8	42.8	50	889
TFS6120/	Q_{Th}¹⁾ 161.7		–	–	–	–	Q_{Th}¹⁾ 80.8		–	–	–	–
10 / 145	156.9	158.5	16.1	18.4	25	461	76.1	77.7	7.6	8.6	10	392
20 / 290	154.3	156.9	29.8	32.1	40	642	73.4	76.1	14.5	15.4	20	474
30 / 435	151.7	155.3	43.4	45.7	50	688	70.8	74.5	21.3	22.3	25	549
40 / 580	149.3	154.0	57.1	59.4	75	1120	68.4	73.2	28.2	29.1	40	677
50 / 725	147.2	152.7	70.8	73.1	100	1396	66.3	71.9	35.0	35.9	40	677
60 / 870	145.0	151.4	84.5	86.8	100	1396	64.2	70.5	41.8	42.8	50	889
70 / 1015	143.2	150.1	98.2	100.4	125	1572	62.4	69.2	48.7	49.6	60	966
80 / 1160	140.8	148.7	111.8	114.1	125	1572	60.0	67.9	55.5	56.5	60	966
TFS6145/	Q_{Th}¹⁾ 195.5		–	–	–	–	Q_{Th}¹⁾ 97.8		–	–	–	–
10 / 145	189.4	191.5	18.9	21.2	30	523	91.9	93.8	9.1	10.1	15	437
20 / 290	186.0	188.9	35.5	37.8	50	688	88.2	91.1	17.3	18.2	20	474
30 / 435	182.8	186.5	52.0	54.3	60	955	85.1	89.0	25.6	26.6	30	567
40 / 580	179.7	184.4	68.5	70.8	75	1120	81.9	86.7	33.9	34.9	40	677
50 / 725	176.7	182.6	85.0	87.3	100	1396	79.0	84.8	42.1	43.0	50	889
60 / 870	173.8	180.7	101.6	103.9	125	1572	76.1	83.0	50.4	51.4	60	966
70 / 1015	170.7	178.6	118.1	120.4	150	1923	72.9	80.8	58.7	59.7	75	1197
80 / 1160	167.8	176.5	134.6	136.9	150	1923	70.0	78.7	66.9	67.9	75	1197

¹⁾ Q_{Th}: Theoretical flow rate

Viscosity > 90 SSU more power consumption.

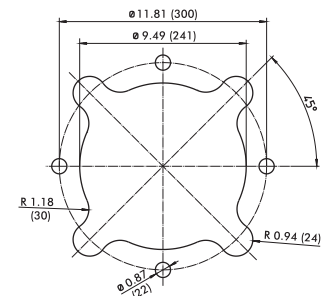
All 6 series screw pumps with an operating flow rate of 210 GPM / 800 l/min or above must be operated with a feed pump which supplies fluid with at least 14.5 psi / 1 bar of pressure to the pump inlet.

Characteristics and dimensions

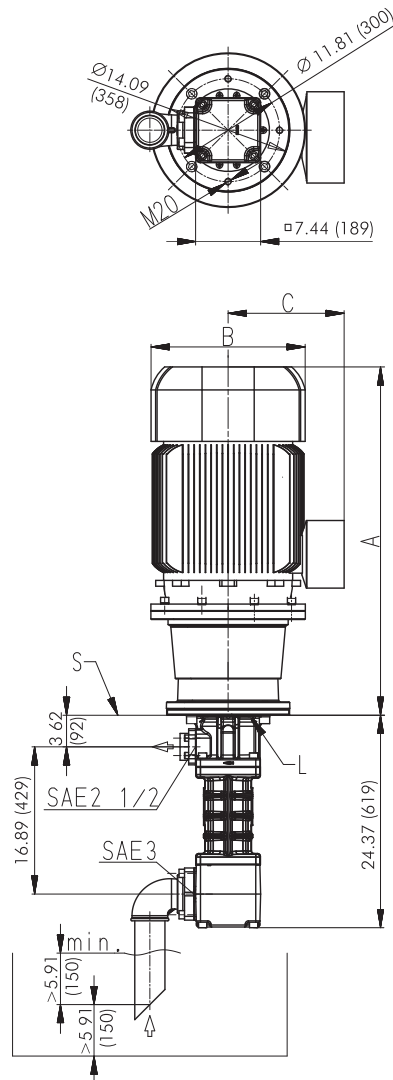
50 Hz

Mounting hole patterns

TFS6



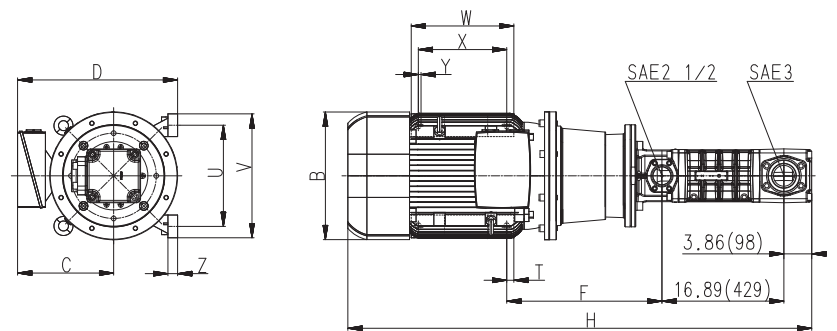
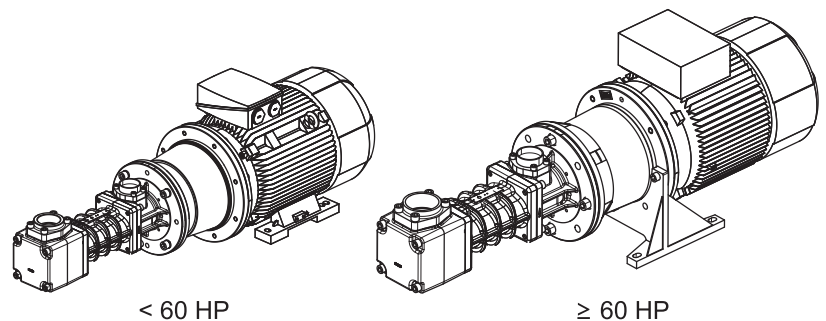
Dimensions in Inches / mm
All corners must be deburred!
According to ISO 2768-m



*) Dimensions for 4-pole standard motor upon request

L = Leakage hole

S = Mounting plate, please refer to the cut-out of mounting hole



Power 2-poles HP	Power 4-poles HP	A	B	C	D	F	H	T	U	V	W	X	Y	Z
		Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch
–	10	28.46	10.31	7.95	15.24	9.53	52.83	0.89	10.43	11.81	10.63	8.86	0.55	0.71
–	15	31.30	12.36	9.33	18.58	9.53	55.67	0.79	11.81	13.78	12.01	10.43	0.71	0.71
20	–	31.30	12.36	9.33	19.57	9.53	55.67	0.98	13.78	15.75	13.78	11.81	0.71	0.79
–	20	33.66	12.36	9.33	18.58	10.43	58.03	0.79	11.81	13.78	12.01	10.43	0.71	0.71
25	–	33.66	12.36	9.33	19.57	9.53	58.03	0.98	13.78	15.75	13.78	11.81	0.71	0.79
–	25	33.82	14.02	11.26	20.51	10.43	58.19	0.79	11.81	13.78	12.01	10.43	0.71	0.71
30	–	33.66	14.02	11.26	21.50	9.53	58.03	0.98	13.78	15.75	13.78	11.81	0.71	0.79
–	30	35.00	14.02	11.26	20.51	15.63	59.37	0.79	11.81	13.78	12.01	10.43	0.71	0.71
40	–	35.83	15.59	12.40	22.64	10.43	60.20	0.98	13.78	15.75	13.78	11.81	0.71	0.79
–	40	36.81	15.59	12.40	22.64	16.42	61.18	0.98	13.78	15.75	13.78	11.81	0.71	0.79
50	–	36.81	15.59	12.40	22.64	10.43	61.18	0.98	13.78	15.75	13.78	11.81	0.71	0.79
–	50	38.31	17.68	13.31	24.92	17.01	62.68	0.98	15.75	17.72	15.16	13.19	0.71	0.79
60	60	39.88	17.68	13.31	22.17	21.50	64.25	0.98	14.02	17.17	14.21	12.24	0.75	1.34
75	–	42.20	19.57	16.14	25.98	23.03	66.57	1.18	15.98	19.29	16.10	13.74	0.94	1.57
100	–	45.67	21.69	17.05	28.07	24.49	70.04	2.19	17.99	21.26	18.86	14.49	0.94	1.57
125	–	50.00	21.69	17.05	28.07	24.49	74.37	1.18	17.99	21.26	18.86	16.50	0.94	1.57
150	–	48.90	24.25	20.28	32.68	25.12	73.27	2.38	20.00	24.02	20.75	15.98	1.10	1.97