

PRODUCT SPECIFICATIONS

MODEL: STF

TRI-SPINDLE SCREW PUMP



1. Temperature and Pressure limits

- Admissible temperature: 150°C
- Admissible delivery pressure: 4.0Mpa
- Admissible supply pressure: 1.0Mpa
- Please consult with the manufacturer about higher operating temperature and pressure.

2. Pressure Relief Valve

- As an overload protection, installed in each pump is a pressure relief valve.

3. Flanges/Connections

- Suction side: PN16 DIN2533(GB2555-81)
- Delivery side: PN40 DIN2533(GB2555-81)

4. Installation

- SPF type three screw pumps may be mounted in any position. For safety purposes, the arrangement with motor downwards is not admissible.

04. Drive/Coupling

- By way of an intermediate connector, electric motors of the most varied designs or other prime movers can be connected with the pump. Normally, the following are provided;
- Surface-cooled three-phase squirrel-cage motors, enclosure IP44 according to IEC Standards. Class B insulation, performances and main dimensions according to Y series motor.
- Motors rated for 50Hz can also be operated from 60Hz supply systems without any change.

DESCRIPTIONS:

1. Size= The theoretical delivery flow at 1450rpm and 46 pitch angles.
2. Internal slide bearing.
3. Pump with filter is only available in one size for the 20 model.

NPSHr TABLE

The values as indicated apply to pumps without filter for air free delivery media. A safety allowance is not required. When using pumps with filter, the indicated NPSH values are increased by 0.5m.

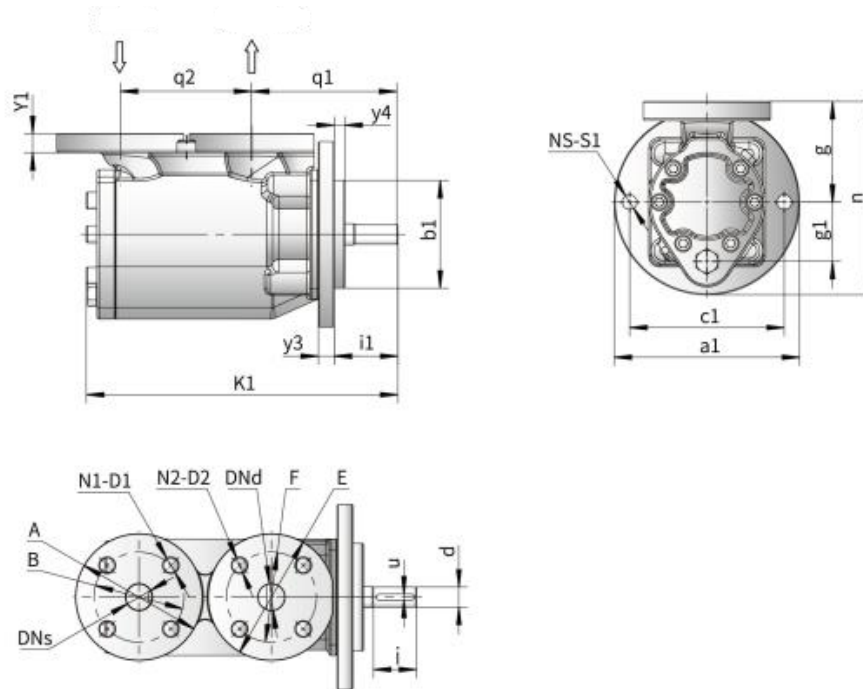
Pump Size	Speed (r/min)																			
	950/1150					1450/1750					2900					3400				
	Kinematic Viscosity (cSt ⁰ E)																			
	3 - 40	75	150	380	750	3 - 40	75	150	380	750	3 - 40	75	150	380	750	3 - 40	75	150	380	750
	(1.2-5)	(10)	(20)	(50)	(100)	(1.2-5)	(10)	(20)	(50)	(100)	(1.2-5)	(10)	(20)	(50)	(100)	(1.2-5)	(10)	(20)	(50)	(100)
	NPSHr (m)																			
20-38	2.5	2.8	2.9	3.0	3.2	2.5	2.8	2.9	3.1	3.3	2.5	3.0	3.2	3.5	3.8	2.6	3.1	3.4	3.7	4.0
20-46	2.5	2.8	2.9	3.1	3.3	2.5	2.9	3.1	3.3	3.5	2.7	3.2	3.5	3.9	4.2	2.9	3.4	3.8	4.1	4.5
20-56	2.5	2.9	3.0	3.3	3.5	2.5	3.1	3.3	3.6	3.9	3.2	3.8	4.1	4.5	4.9	3.5	4.1	4.5	5.0	5.5
40-38	2.5	2.8	2.9	3.1	3.3	2.5	2.9	3.1	3.3	3.5	3.7	3.2	3.5	3.8	4.1	2.8	3.4	3.7	4.0	4.4
40-46	2.5	2.8	3.0	3.2	3.4	2.6	3.0	3.3	3.5	3.8	3.0	3.6	4.0	4.3	4.7	3.3	4.0	4.3	4.7	5.2
40-54	2.5	3.0	3.2	3.4	3.6	2.7	3.3	3.6	3.9	4.2	3.6	4.3	4.7	5.1	5.6	4.1	4.8	5.3	5.8	6.4

*The NPSHr in table is valid only for fluid without entrained gas.

MATERIAL CODE:

Material Code	Casing	Insert	Using Range
W0	HT200 Cast Iron	HT200 Cast Iron	Used to pump the medium such as fuel oil with better less lubricity and suitable viscosity at lower pressure.
W1	HT200 Cast Iron	Special Moduler Cast Iron	Used to pump the medium such as fuel oil with less lubricity and suitable viscosity at lower pressure.
W2	HT200 Cast Iron	ZL 109 Cast AL	Used to pump the medium such as lubricant oil with better less lubricity and suitable viscosity at lower pressure.
W3	QT450-10 noduler Cast Iron	ZL 109 Cast AL	Used to pump the medium such as lubricant oil with less lubricity and suitable viscosity at lower pressure.
W5	QT450-10 noduler Cast Iron	Special Moduler Cast Iron	Used in particuler case (such as marinepump) to ump the medium such as lubrication with better lubricity and suitable viscosity at lower pressure.
W21	HT200 Cast Iron	ZCuSn5Pb5Zn5 Special Bronze	Used to pump the medium with less lubricity and lower viscosity, such as heavy oil and fuel oil at higher pressure.
W23	QT450-10 noduler Cast Iron	ZCuSn5Pb5Zn5 Special Bronze	Used in particuler case (such as marinepump) to ump the medium such as lubrication with better lubricity and lower viscosity, such as heavy oil and fuel oil at higher pressure.
W29	20 Assembly Weldment	ZCuSn5Pb5Zn5 Special Bronze	SN5300 only for size 5300

MOUNTING DIMENSION DIAGRAM

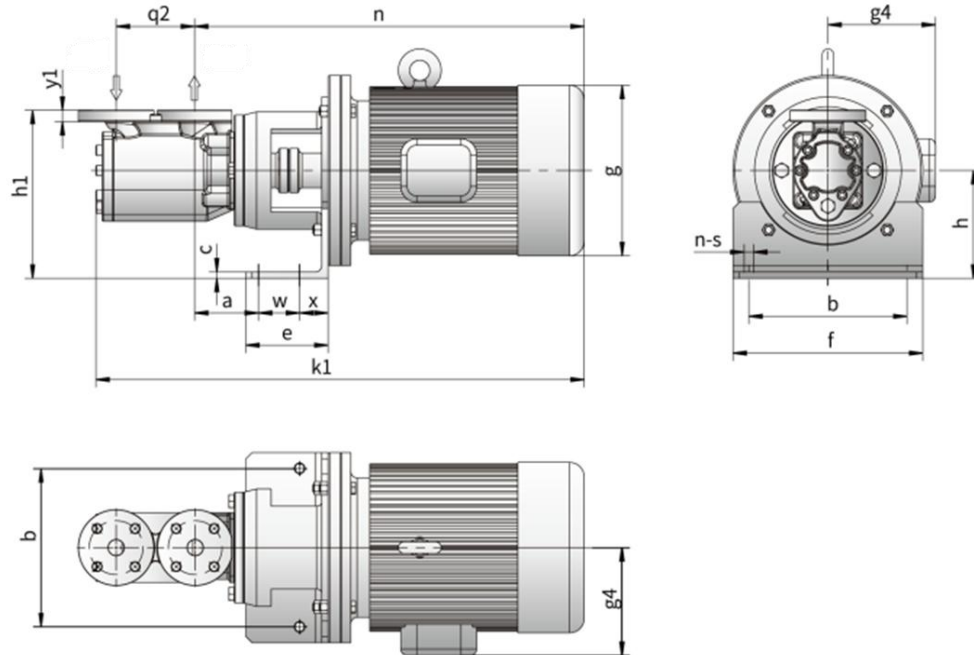


MOUNTING DIMENSIONS:

Size	Pump Dimensions												Shaft end			
	a1	b1	c1	g	g1	i1	k1	n	q1	q2	NS-S1	y3	y4	d	i	u
20	175	101.6	146	95	56	53	280	177	130	125	2-Ø14	15	10	19	40	6
40	180	120.1	150	110	60	42	308	196	125	135	4-Ø14	16	5	19	35	6

Size	Suction Side					Discharge Side				
	Dns	A	B	N1-D1	Y1	SS	E	F	N2-D2	Y1
20	25	120	85	4-Ø14	18	25	120	85	4-Ø14	18
40	32	140	100	4-Ø14	18	25	120	85	4-Ø14	18

MOUNTING DIMENSION DIAGRAM



MOUNTING DIMENSIONS:

Pump Size	Motor Size	a	b	c	e	f	g	g4	h	h1	k1	n	q2	n-s	w	x	y1
20	90S	121	160	8	100	200	186	136	140	235	572	422	125	2-Ø14	50	--	18
	90L	121	160	8	100	200	186	136	140	235	597	447	125	2-Ø14	50	--	18
	100L	147	200	8	100	250	200	140	160	255	666	514	125	2-Ø14	50	--	18
	112M	147	200	8	100	250	224	152	160	255	687	535	125	2-Ø14	50	--	18
	132S	157	250	10	120	300	220	165	170	265	738	588	125	2-Ø14	60	--	18
40	90L	53	180	13	147	210	186	136	170	280	634	448.5	135	3-Ø14	100	30	18
	100L	53	180	13	147	210	200	140	170	280	675.5	490	135	3-Ø14	100	30	18
	112M	53	180	15	147	210	224	152	180	290	696.5	511	135	3-Ø14	100	30	18
	132S	53	180	15	147	250	220	165	180	290	750.5	565	135	3-Ø14	100	30	18
	132M	53	180	23	147	250	260	181	200	310	807.5	622	135	3-Ø14	100	30	18
	160M	53	180	23	147	250	260	181	200	310	869	686	135	3-Ø14	100	30	18

STF 20

PERFORMANCE DATA:

Speed (r/min)	Pump Size	Delivery Pressure (Mpa)	Kinematic Viscosity (mm ² /s) or Engler Viscosity (°E)															
			3(1.2)		6(1.5)		12(2)		40(5)		75(10)		150(20)		380(50)		750(100)	
			Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power
			(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)
2900	20-38	0.5	28.10	0.48	28.90	0.48	29.40	0.48	29.90	0.48	30.10	0.56	30.20	0.70	30.30	0.96	30.40	1.24
		1.0	26.20	0.73	27.60	0.73	28.40	0.73	29.40	0.73	29.70	0.81	30.00	0.95	30.20	1.21	30.30	1.49
		1.5	24.40	0.98	26.40	0.98	27.50	0.98	28.90	0.98	29.40	1.06	29.70	1.20	30.00	1.46	30.20	1.74
		2.0	22.60	1.23	25.30	1.23	26.70	1.23	28.40	1.23	29.00	1.31	29.50	1.45	29.90	1.71	30.10	1.99
		2.5	21.00	1.48	24.20	1.48	25.90	1.48	27.90	1.48	28.70	1.56	29.20	1.70	29.70	1.96	30.00	2.24
		3.0	19.40	1.73	23.10	1.73	25.10	1.73	27.50	1.73	28.40	1.81	29.00	1.95	29.60	2.21	29.90	2.49
		3.5	17.80	1.98	22.10	1.98	24.30	1.98	27.10	1.98	28.10	2.06	28.80	2.20	29.50	2.46	29.80	2.74
		4.0	16.30	2.23	21.00	2.23	23.60	2.23	26.70	2.23	27.80	2.31	28.60	2.45	29.30	2.71	29.70	2.99
	20-46	0.5	37.40	0.56	38.40	0.56	38.90	0.56	39.50	0.56	39.80	0.64	39.90	0.78	40.10	1.04	40.20	1.32
		1.0	35.00	0.89	36.80	0.89	37.70	0.89	38.90	0.89	39.30	0.97	39.60	1.11	39.90	1.37	40.00	1.65
		1.5	32.80	1.22	35.30	1.22	36.70	1.22	38.30	1.22	38.90	1.30	39.30	1.44	39.70	1.70	39.80	1.98
		2.0	30.70	1.55	33.90	1.55	35.60	1.55	37.70	1.55	38.50	1.63	39.00	1.77	39.50	2.03	39.70	2.31
		2.5	28.60	1.88	32.50	1.88	34.60	1.88	37.20	1.88	38.10	1.96	38.70	2.10	39.40	2.36	39.60	2.64
		3.0	26.70	2.21	31.20	2.21	33.70	2.21	36.60	2.21	37.70	2.29	38.50	2.43	39.20	2.69	39.50	2.97
		3.5	24.80	2.54	29.90	2.54	32.80	2.54	36.10	2.54	37.30	2.62	38.20	2.76	39.00	3.02	39.40	3.30
		4.0	22.90	2.87	28.70	2.87	31.80	2.87	35.60	2.87	37.00	2.95	38.00	3.09	38.90	3.35	39.30	3.63
	20-56	0.5	52.50	0.69	53.80	0.69	54.50	0.69	55.30	0.69	55.60	0.77	55.80	0.91	56.00	1.17	56.10	1.45
		1.0	49.40	1.15	51.70	1.15	53.00	1.15	54.50	1.15	55.00	1.23	55.40	1.37	55.80	1.63	55.90	1.91
		1.5	46.60	1.61	49.80	1.61	51.60	1.61	53.70	1.61	54.50	1.69	55.00	1.84	55.50	2.09	55.80	2.37
		2.0	43.90	2.07	48.00	2.07	50.30	2.07	52.90	2.07	53.90	2.15	54.60	2.30	55.30	2.55	55.60	2.83
		2.5	41.30	2.53	46.30	2.53	49.00	2.53	52.20	2.53	53.40	2.62	54.30	2.76	55.10	3.01	55.40	3.29
		3.0	38.70	2.99	44.60	2.99	47.80	2.99	51.50	2.99	52.90	3.08	53.90	3.22	54.90	3.47	55.30	3.76
		3.5			43.00	3.45	46.60	3.45	50.90	3.45	52.50	3.54	53.60	3.68	54.60	3.93	55.10	4.22
		4.0			41.40	3.91	45.40	3.91	50.20	3.91	52.00	4.00	53.30	4.14	54.40	4.39	55.00	4.68
1450	20-38	0.5	12.80	0.21	13.60	0.21	14.10	0.21	14.60	0.21	14.80	0.24	14.90	0.29	15.00	0.38	15.10	0.48
		1.0	10.90	0.33	12.30	0.33	13.10	0.33	14.10	0.33	14.40	0.36	14.70	0.41	14.90	0.50	15.00	0.60
		1.5	9.10	0.46	11.10	0.46	12.20	0.46	13.60	0.46	14.10	0.49	14.40	0.54	14.70	0.63	14.90	0.73
		2.0	7.30	0.58	10.00	0.58	11.40	0.58	13.10	0.58	13.70	0.61	14.20	0.66	14.60	0.75	14.80	0.85
		2.5	5.70	0.71	8.90	0.71	10.60	0.71	12.60	0.71	13.40	0.74	13.90	0.79	14.40	0.88	14.70	0.98
		3.0	4.10	0.83	7.80	0.83	9.80	0.83	12.20	0.83	13.10	0.86	13.70	0.91	14.30	1.00	14.60	1.10
		3.5			6.80	0.96	9.00	0.96	11.80	0.96	12.80	0.99	13.50	1.04	14.20	1.13	14.50	1.23
		4.0			5.70	1.08	8.30	1.08	11.40	1.08	12.50	1.11	13.30	1.16	14.00	1.25	14.40	1.35
	20-46	0.5	17.20	0.25	18.20	0.25	18.70	0.25	19.30	0.25	19.60	0.28	19.70	0.33	19.90	0.42	20.00	0.52
		1.0	14.80	0.41	16.60	0.41	17.50	0.41	18.70	0.41	19.10	0.44	19.40	0.49	19.70	0.58	19.80	0.68
		1.5	12.60	0.58	15.10	0.58	16.50	0.58	18.10	0.58	18.70	0.61	19.10	0.66	19.50	0.75	19.70	0.85
		2.0	10.50	0.74	13.70	0.74	15.40	0.74	17.50	0.74	18.30	0.77	18.80	0.82	19.30	0.91	19.60	1.01
		2.5	8.40	0.91	12.30	0.91	14.40	0.91	17.00	0.91	17.90	0.94	18.50	0.99	19.20	1.08	19.40	1.18
		3.0	6.50	1.07	11.00	1.07	13.50	1.07	16.40	1.07	17.50	1.10	18.30	1.15	19.00	1.24	19.30	1.34
		3.5			9.70	1.24	12.60	1.24	15.90	1.24	17.10	1.27	18.00	1.32	18.80	1.41	19.20	1.51
		4.0			8.50	1.40	11.60	1.40	15.40	1.40	16.80	1.43	17.80	1.48	18.70	1.57	19.10	1.67
	20-56	0.5	24.30	0.31	25.60	0.31	26.30	0.31	27.10	0.31	27.40	0.34	27.60	0.39	27.80	0.48	27.90	0.58
		1.0	21.20	0.54	23.50	0.54	24.80	0.54	26.30	0.54	26.80	0.57	27.20	0.62	27.60	0.71	27.70	0.81
		1.5	18.40	0.77	21.60	0.77	23.40	0.77	25.50	0.77	26.30	0.80	26.80	0.85	27.30	0.94	27.60	1.04
		2.0	15.70	1.00	19.80	1.00	22.10	1.00	24.70	1.00	25.70	1.03	26.40	1.08	27.10	1.17	27.40	1.27
		2.5			18.10	1.23	20.80	1.23	24.00	1.23	25.20	1.26	26.10	1.31	26.90	1.40	27.20	1.50
		3.0			16.40	1.46	19.60	1.46	23.30	1.46	24.70	1.49	25.70	1.54	26.70	1.63	27.10	1.73
		3.5							22.70	1.69	24.30	1.72	25.40	1.77	26.40	1.86	26.90	1.96
		4.0							22.00	1.92	23.80	1.95	25.10	2.00	26.20	2.09	26.80	2.19

STF 20

PERFORMANCE DATA:

Speed (r/min)	Pump Size	Delivery Pressure (Mpa)	Kinematic Viscosity (mm ² /s) or Engler Viscosity (°E)															
			3(1.2)		6(1.5)		12(2)		40(5)		75(10)		150(20)		380(50)		750(100)	
			Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power
			(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)
950	20-38	0.5	7.50	0.12	8.40	0.12	8.80	0.12	9.30	0.12	9.50	0.14	9.60	0.17	9.80	0.21	9.80	0.27
		1.0	5.60	0.21	7.00	0.21	7.80	0.21	8.80	0.21	9.10	0.22	9.40	0.25	9.60	0.30	9.70	0.35
		1.5	3.80	0.29	5.80	0.29	7.00	0.29	8.30	0.29	8.80	0.30	9.10	0.33	9.40	0.38	9.60	0.43
		2.0	2.10	0.37	4.70	0.37	6.10	0.37	7.80	0.37	8.40	0.39	8.90	0.41	9.30	0.46	9.50	0.51
		2.5			3.60	0.45	5.30	0.45	7.40	0.45	8.10	0.47	8.70	0.49	9.20	0.54	9.40	0.60
		3.0			2.50	0.53	4.50	0.53	6.90	0.53	7.80	0.55	8.50	0.58	9.00	0.62	9.30	0.68
		3.5					3.80	0.62	6.50	0.62	7.50	0.63	8.20	0.66	8.90	0.71	9.20	0.76
	20-46	4.0					3.00	0.70	6.10	0.70	7.20	0.71	8.00	0.74	8.70	0.79	9.10	0.84
		0.5	10.20	0.15	11.20	0.15	11.70	0.15	12.40	0.15	12.60	0.17	12.80	0.19	12.90	0.24	13.00	0.29
		1.0	7.80	0.26	9.60	0.26	10.60	0.26	11.70	0.26	12.10	0.27	12.40	0.30	12.70	0.35	12.90	0.40
		1.5	5.60	0.37	8.10	0.37	9.50	0.37	11.10	0.37	11.70	0.38	12.10	0.41	12.50	0.46	12.70	0.51
		2.0	3.50	0.48	6.70	0.48	8.50	0.48	10.50	0.48	11.30	0.49	11.90	0.52	12.40	0.57	12.60	0.62
		2.5			5.40	0.58	7.50	0.58	10.00	0.58	10.90	0.60	11.60	0.63	12.20	0.67	12.50	0.73
		3.0			4.10	0.69	6.50	0.69	9.40	0.69	10.50	0.71	11.30	0.73	12.00	0.78	12.30	0.83
	20-56	3.5					5.60	0.80	8.90	0.80	10.20	0.82	11.00	0.84	11.90	0.89	12.20	0.94
		4.0					4.70	0.91	8.40	0.91	9.80	0.92	10.80	0.95	11.70	1.00	12.10	1.05
		0.5	14.60	0.19	15.90	0.19	16.60	0.19	17.40	0.19	17.70	0.21	17.90	0.24	18.10	0.28	18.20	0.34
		1.0	11.50	0.34	13.80	0.34	15.10	0.34	16.50	0.34	17.10	0.36	17.50	0.39	17.80	0.43	18.00	0.49
		1.5	8.70	0.50	11.90	0.50	13.70	0.50	15.80	0.50	16.50	0.51	17.10	0.54	17.60	0.59	17.80	0.64
		2.0	6.00	0.65	10.10	0.65	12.40	0.65	15.00	0.65	16.00	0.66	16.70	0.69	17.40	0.74	17.70	0.79
		2.5					11.10	0.80	14.30	0.80	15.50	0.81	16.40	0.84	17.10	0.89	17.50	0.94
3400	20-38	3.0					9.90	0.95	13.60	0.95	15.00	0.96	16.00	0.99	16.90	1.04	17.40	1.09
		3.5							12.90	1.10	14.50	1.12	15.70	1.14	16.70	1.19	17.20	1.24
		4.0							12.30	1.25	14.10	1.27	15.30	1.29	16.50	1.34	17.10	1.39
		0.5	33.40	0.58	34.20	0.58	34.60	0.58	35.20	0.58	35.40	0.69	35.50	0.87	35.60	1.19	35.70	1.55
		1.0	31.40	0.87	32.90	0.87	33.70	0.87	34.60	0.87	35.00	0.98	35.20	1.16	35.50	1.48	35.60	1.84
		1.5	29.60	1.17	31.70	1.17	32.80	1.17	34.10	1.17	34.60	1.27	35.00	1.45	35.30	1.78	35.50	2.14
		2.0	27.90	1.46	30.50	1.46	32.00	1.46	33.70	1.46	34.30	1.57	34.70	1.75	35.10	2.07	35.40	2.43
	20-46	2.5	26.30	1.75	29.40	1.75	31.20	1.75	33.20	1.75	34.00	1.86	34.50	2.04	35.00	2.36	35.30	2.72
		3.0	24.70	2.05	28.40	2.05	30.40	2.05	32.80	2.05	33.70	2.15	34.30	2.32	34.90	2.66	35.20	3.02
		3.5	23.10	2.34	27.30	2.34	29.60	2.34	32.40	2.34	33.40	2.45	34.10	2.63	34.70	2.95	35.10	3.31
		4.0	21.60	2.63	26.30	2.63	28.90	2.63	31.90	2.63	33.10	2.74	33.90	2.92	34.60	3.24	35.00	3.60
		0.5	44.30	0.67	45.30	0.67	45.90	0.67	46.50	0.67	46.70	0.78	46.90	0.96	47.10	1.28	47.10	1.64
		1.0	41.90	1.06	43.70	1.06	44.70	1.06	45.90	1.06	46.30	1.17	46.60	1.35	46.90	1.67	47.00	2.03
		1.5	39.70	1.45	42.30	1.45	43.60	1.45	45.20	1.45	45.90	1.56	46.30	1.74	46.70	2.06	46.90	2.42
	20-56	2.0	37.60	1.84	40.80	1.84	42.60	1.84	44.70	1.84	45.40	1.94	46.00	2.12	46.50	2.45	46.70	2.81
		2.5	35.60	2.22	39.50	2.22	41.60	2.22	44.10	2.22	45.10	2.33	45.70	2.51	46.30	2.83	46.60	3.19
		3.0	33.60	2.61	38.20	2.61	40.70	2.61	43.60	2.61	44.70	2.72	45.40	2.90	46.20	3.22	46.50	3.58
		3.5	31.70	3.00	36.90	3.00	39.70	3.00	43.10	3.00	44.30	3.10	45.20	3.28	46.00	3.61	46.40	3.97
		4.0	29.80	3.38	35.70	3.38	38.80	3.38	42.50	3.38	43.90	3.49	44.90	3.67	45.80	3.99	46.20	4.35
		0.5	62.20	0.83	63.50	0.83	64.20	0.83	65.00	0.83	65.30	0.94	65.60	1.11	65.80	1.44	65.80	1.80
		1.0	59.20	1.37	61.50	1.37	62.70	1.37	64.20	1.37	64.70	1.48	65.10	1.66	65.50	1.98	65.70	2.34
		1.5	56.30	1.91	59.60	1.91	61.30	1.91	63.40	1.91	64.20	2.02	64.70	2.20	65.20	2.52	65.50	2.88
		2.0	53.60	2.45	57.80	2.45	60.00	2.45	62.70	2.45	63.70	2.56	64.40	2.74	65.00	3.06	65.30	3.42
	20-56	2.5	51.00	2.99	56.00	2.99	58.70	2.99	62.00	2.99	63.20	3.10	64.00	3.28	64.80	3.60	65.20	3.96
		3.0	48.50	3.53	54.40	3.53	57.50	3.53	61.30	3.53	62.70	3.64	63.70	3.82	64.60	4.14	65.00	4.50
		3.5			52.70	4.07	56.30	4.07	60.60	4.07	62.20	4.18	63.30	4.36	64.40	4.68	64.90	5.04
		4.0			51.10	4.61	55.10	4.61	59.90	4.61	61.70	4.72	63.00	4.90	64.20	5.22	64.70	5.58

STF 20

PERFORMANCE DATA:

Speed (r/min)	Pump Size	Delivery Pressure (Mpa)	Kinematic Viscosity (mm ² /s) or Engler Viscosity (°E)															
			3(1.2)		6(1.5)		12(2)		40(5)		75(10)		150(20)		380(50)		750(100)	
			Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power
			(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)
1750	20-38	0.5	15.90	0.26	16.70	0.26	17.10	0.26	17.60	0.26	17.90	0.29	18.00	0.36	18.10	0.48	18.20	0.61
		1.0	13.90	0.41	15.40	0.41	16.20	0.41	17.10	0.41	17.50	0.44	17.60	0.51	17.90	0.63	18.00	0.76
		1.5	12.10	0.56	14.20	0.56	15.30	0.56	16.60	0.56	17.10	0.59	17.50	0.66	17.80	0.78	17.90	0.91
		2.0	10.40	0.71	13.00	0.71	14.50	0.71	16.20	0.71	16.80	0.74	17.20	0.81	17.60	0.93	17.80	1.06
		2.5	8.70	0.86	11.90	0.86	13.70	0.86	15.70	0.86	16.50	0.89	17.00	0.96	17.50	1.08	17.70	1.21
		3.0	7.10	1.01	10.90	1.01	12.90	1.01	15.30	1.01	16.20	1.04	16.80	1.11	17.30	1.23	17.60	1.36
		3.5	5.60	1.16	9.80	1.16	12.10	1.16	14.80	1.16	15.80	1.19	16.60	1.26	17.20	1.38	17.50	1.51
		4.0	4.10	1.31	8.80	1.31	11.40	1.31	14.40	1.31	15.60	1.34	16.40	1.41	17.10	1.53	17.40	1.66
	20-46	0.5	21.20	0.30	22.20	0.30	22.70	0.30	23.40	0.30	23.60	0.34	23.80	0.14	23.90	0.53	24.00	0.66
		1.0	18.80	0.50	20.60	0.50	21.60	0.50	22.70	0.50	23.20	0.54	23.50	0.61	23.70	0.72	23.90	0.86
		1.5	16.60	0.70	19.10	0.70	20.50	0.70	22.10	0.70	22.70	0.74	23.20	0.80	23.50	0.92	23.70	1.05
		2.0	14.50	0.90	17.70	0.90	19.50	0.90	21.50	0.90	22.30	0.94	22.90	1.00	23.40	1.12	23.60	1.25
		2.5	12.50	1.10	16.40	1.10	18.50	1.10	21.00	1.10	21.90	1.14	22.60	1.20	23.20	1.32	23.50	1.45
		3.0	10.50	1.29	15.10	1.29	17.50	1.29	20.50	1.29	21.50	1.33	22.30	1.40	23.00	1.52	23.40	1.65
		3.5			13.80	1.49	16.60	1.49	19.90	1.49	21.20	1.53	22.00	1.60	22.90	1.72	23.20	1.85
		4.0			12.50	1.69	15.70	1.69	19.40	1.69	20.80	1.73	21.80	1.80	22.70	1.91	23.10	2.04
	20-56	0.5	30.00	0.38	31.20	0.38	31.90	0.38	32.70	0.38	33.10	0.42	33.30	49.00	33.50	0.61	33.60	0.74
		1.0	26.90	0.66	29.20	0.66	30.40	0.66	31.90	0.66	32.50	0.70	32.80	0.76	33.20	0.88	33.40	1.01
		1.5	24.00	0.93	27.30	0.93	29.00	0.93	31.10	0.93	31.90	0.97	32.50	1.04	33.00	1.16	33.20	1.29
		2.0	21.30	1.21	25.50	1.21	27.70	1.21	30.40	1.21	31.40	1.25	32.10	1.32	32.70	1.43	33.00	1.57
		2.5			23.70	1.49	26.50	1.49	29.70	1.49	30.90	1.53	31.70	1.59	32.50	1.71	32.90	1.84
		3.0			22.10	1.76	25.20	1.76	29.00	1.76	30.40	1.80	31.40	1.87	32.30	1.99	32.70	2.12
		3.5							28.30	2.04	29.90	2.08	31.00	2.15	32.10	2.26	32.60	2.40
		4.0							27.70	2.32	29.40	2.36	30.70	2.42	31.90	2.54	32.40	2.67
1140	20-38	0.5	9.50	0.15	10.40	0.15	10.80	0.15	11.30	0.15	11.50	0.17	11.70	0.21	11.80	0.27	11.80	0.34
		1.0	7.60	0.25	9.10	0.25	9.80	0.25	10.80	0.25	11.10	0.27	11.40	0.31	11.60	0.37	11.70	0.44
		1.5	5.80	0.35	7.80	0.35	9.00	0.35	10.30	0.35	10.80	0.37	11.10	0.41	11.40	0.47	11.60	0.54
		2.0	4.10	0.45	6.70	0.45	8.10	0.45	9.80	0.45	10.50	0.47	10.90	0.50	11.30	0.57	11.50	0.64
		2.5	2.40	0.55	5.60	0.55	7.30	0.55	9.40	0.55	10.10	0.57	10.70	0.60	11.20	0.67	11.40	0.74
		3.0			4.50	0.65	6.50	0.65	8.90	0.65	9.80	0.67	10.50	0.70	11.00	0.76	11.30	0.83
		3.5			3.50	0.74	5.80	0.74	8.50	0.74	9.50	0.76	10.20	0.80	10.90	0.86	11.20	0.93
		4.0			2.50	0.84	5.00	0.84	8.10	0.84	9.20	0.86	10.00	0.90	10.70	0.96	11.10	1.03
	20-46	0.5	12.90	0.19	13.80	0.19	14.40	0.19	15.00	0.19	15.30	0.21	15.40	0.24	15.60	0.30	15.70	0.37
		1.0	10.50	0.32	12.20	0.32	13.20	0.32	14.40	0.32	14.80	0.34	15.10	0.37	15.40	0.43	15.50	0.50
		1.5	8.20	0.45	10.80	0.45	12.10	0.45	13.80	0.45	14.40	0.47	14.80	0.50	15.20	0.56	15.40	0.63
		2.0	6.10	0.57	9.40	0.57	11.10	0.57	13.20	0.57	14.00	0.60	14.50	0.63	15.00	0.69	15.20	0.76
		2.5	4.10	0.70	8.00	0.70	10.10	0.70	12.60	0.70	13.60	0.73	14.20	0.76	14.80	0.82	15.10	0.89
		3.0			6.70	0.83	9.20	0.83	12.10	0.83	13.20	0.86	14.00	0.89	14.70	0.95	15.00	1.02
		3.5					8.20	0.96	11.60	0.96	12.80	0.99	13.70	1.02	14.50	1.08	14.90	1.15
		4.0					7.30	1.09	11.10	1.09	12.50	1.11	13.40	1.15	14.30	1.21	14.80	1.28
	20-56	0.5	18.30	0.24	19.60	0.24	20.30	0.24	21.10	0.24	21.40	0.26	21.60	0.29	21.80	0.36	21.90	0.43
		1.0	15.20	0.42	17.50	0.42	18.80	0.42	20.20	0.42	20.80	0.44	21.20	0.47	21.50	0.54	21.70	0.61
		1.5	12.40	0.60	15.60	0.60	17.40	0.60	19.50	0.60	20.20	0.62	20.80	0.66	21.30	0.72	21.50	0.79
		2.0	9.70	0.78	13.80	0.78	16.10	0.78	18.70	0.78	19.70	0.80	20.40	0.84	21.10	0.90	21.40	0.97
		2.5					14.80	0.96	18.00	0.96	19.20	0.98	20.10	1.02	20.80	1.08	21.30	1.15
		3.0					13.60	1.14	17.30	1.14	18.70	1.16	19.70	1.20	20.60	1.26	21.10	1.33
		3.5							16.60	1.32	18.20	1.34	19.40	1.38	20.40	1.44	20.90	1.51
		4.0							16.00	1.51	17.80	1.53	19.00	1.56	20.20	1.62	20.80	1.69

STF 40

PERFORMANCE DATA:

Speed (r/min)	Pump Size	Delivery Pressure (Mpa)	Kinematic Viscosity (mm ² /s) or Engler Viscosity (°E)															
			3(1.2)		6(1.5)		12(2)		40(5)		75(10)		150(20)		380(50)		750(100)	
			Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power
			(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)
2900	40-38	0.5	59.30	0.83	60.50	0.83	61.20	0.83	61.90	0.83	62.20	0.94	62.50	1.11	62.60	1.48	62.70	1.84
		1.0	56.30	1.34	58.50	1.34	59.70	1.34	61.10	1.34	61.70	1.45	62.00	1.62	62.40	1.99	62.50	2.36
		1.5	53.60	1.86	56.70	1.86	58.40	1.86	60.40	1.86	61.10	1.97	61.70	2.14	62.20	2.51	62.40	2.87
		2.0	51.00	2.37	55.00	2.37	57.10	2.37	59.70	2.37	60.60	2.48	61.30	2.65	61.90	3.02	62.20	3.39
		2.5	48.40	2.89	53.30	2.89	55.90	2.89	59.00	2.89	60.10	3.00	61.00	3.17	61.70	3.54	62.10	3.90
		3.0	46.00	3.40	51.70	3.40	54.70	3.40	58.30	3.40	59.70	3.51	60.60	3.68	61.50	4.05	61.90	4.42
		3.5	43.60	3.92	50.10	3.92	53.60	3.92	57.70	3.92	59.20	4.03	60.30	4.20	61.30	4.57	61.80	4.93
		4.0	41.30	4.43	48.50	4.43	52.40	4.43	57.00	4.43	58.80	4.54	60.00	4.71	61.10	5.08	61.60	5.45
	40-46	0.5	79.40	1.00	80.90	1.00	81.70	1.00	82.70	1.00	83.10	1.11	83.30	1.28	83.60	1.65	83.70	2.02
		1.0	75.80	1.68	78.50	1.68	80.00	1.68	81.70	1.68	82.40	1.80	82.80	1.97	83.30	2.33	83.50	2.70
		1.5	72.40	2.37	76.20	2.37	78.30	2.37	80.80	2.37	81.70	2.48	82.40	2.65	83.00	3.02	83.20	3.39
		2.0	69.20	3.06	74.10	3.06	76.80	3.06	79.90	3.06	81.10	3.17	81.90	3.34	82.70	3.71	83.10	4.08
		2.5	66.10	3.74	72.00	3.74	75.30	3.74	79.10	3.74	80.50	3.86	81.50	4.03	82.40	4.39	82.90	4.76
		3.0	63.10	4.43	70.00	4.43	73.80	4.43	78.30	4.43	79.90	4.54	81.10	4.71	82.20	5.08	82.70	5.45
		3.5	60.20	5.12	68.10	5.12	72.40	5.12	77.50	5.12	79.40	5.23	80.70	5.40	81.90	5.77	82.50	6.13
		4.0	57.30	5.80	66.20	5.80	71.00	5.80	76.70	5.80	78.80	5.92	80.30	6.09	81.70	6.45	82.30	6.82
	40-54	0.5	107.10	1.23	108.90	1.23	110.00	1.23	111.20	1.23	111.70	1.35	112.00	1.52	112.30	1.88	112.40	2.25
		1.0	102.50	2.15	105.90	2.15	107.70	2.15	109.90	2.15	110.80	2.27	111.30	2.44	111.90	2.81	112.10	3.17
		1.5	98.20	3.08	103.10	3.08	105.70	3.08	108.80	3.08	109.90	3.19	110.80	3.36	111.50	3.73	111.90	4.09
		2.0	94.20	4.00	100.40	4.00	103.70	4.00	107.70	4.00	109.20	4.11	110.20	4.28	111.20	4.65	111.60	5.02
		2.5	90.40	4.92	97.80	4.92	101.80	4.92	106.60	4.92	108.40	5.03	109.70	5.20	110.80	5.57	111.40	5.94
		3.0	86.60	5.84	95.30	5.84	100.00	5.84	105.60	5.84	107.70	5.96	109.20	6.12	110.50	6.49	111.20	6.86
		3.5			92.90	6.76	98.20	6.76	104.60	6.76	107.00	6.88	108.70	7.05	110.20	7.41	110.90	7.78
		4.0			90.50	7.69	96.50	7.69	103.60	7.69	106.30	7.80	108.20	7.97	109.90	8.34	110.70	8.70
1450	40-38	0.5	27.80	0.37	29.00	0.37	29.70	0.37	30.40	0.37	30.70	0.41	31.00	0.47	31.10	0.60	31.20	0.73
		1.0	24.80	0.62	27.00	0.62	28.20	0.62	29.60	0.62	30.20	0.66	30.50	0.72	30.90	0.85	31.00	0.98
		1.5	22.10	0.88	25.20	0.88	26.90	0.88	28.90	0.88	29.60	0.92	30.20	0.98	30.70	1.11	30.90	1.24
		2.0	19.50	1.14	23.50	1.14	25.60	1.14	28.20	1.14	29.10	1.18	29.80	1.24	30.40	1.37	30.70	1.50
		2.5	16.90	1.40	21.80	1.40	24.40	1.40	27.50	1.40	28.60	1.44	29.50	1.50	30.20	1.63	30.60	1.76
		3.0	14.50	1.65	20.20	1.65	23.20	1.65	26.80	1.65	28.20	1.69	29.10	1.75	30.00	1.88	30.40	2.01
		3.5	12.10	1.91	18.60	1.91	22.10	1.91	26.20	1.91	27.70	1.95	28.80	2.01	29.80	2.14	30.30	2.27
		4.0	9.80	2.17	17.00	2.17	20.90	2.17	25.50	2.17	27.30	2.21	28.50	2.27	29.60	2.40	30.10	2.53
	40-46	0.5	37.40	0.45	38.90	0.45	39.70	0.45	40.70	0.45	41.10	0.49	41.30	0.55	41.60	0.68	41.70	0.81
		1.0	33.80	0.80	36.50	0.80	38.00	0.80	39.70	0.80	40.40	0.84	40.80	0.90	41.30	1.03	41.50	1.16
		1.5	30.40	1.14	34.20	1.14	36.30	1.14	38.80	1.14	39.70	1.18	40.40	1.24	41.00	1.37	41.20	1.50
		2.0	27.20	1.48	32.10	1.48	34.80	1.48	37.90	1.48	39.10	1.52	39.90	1.58	40.70	1.71	41.10	1.84
		2.5	24.10	1.83	30.00	1.83	33.30	1.83	37.10	1.83	38.50	1.87	39.50	1.93	40.40	2.06	40.90	2.19
		3.0	21.10	2.17	28.00	2.17	31.80	2.17	36.30	2.17	37.90	2.21	39.10	2.27	40.20	2.40	40.70	2.53
		3.5			26.10	2.51	30.40	2.51	35.50	2.51	37.40	2.55	38.70	2.61	39.90	2.74	40.50	2.87
		4.0			24.20	2.86	29.00	2.86	34.70	2.86	36.80	2.90	38.30	2.96	39.70	3.09	40.30	3.22
	40-54	0.5	50.70	0.57	52.50	0.57	53.60	0.57	54.80	0.57	55.30	0.61	55.60	0.67	55.90	0.80	56.00	0.93
		1.0	46.10	1.03	49.50	1.03	51.30	1.03	53.50	1.03	54.40	1.07	54.90	1.13	55.50	1.26	55.70	1.39
		1.5	41.80	1.49	46.70	1.49	49.30	1.49	52.40	1.49	53.50	1.53	54.40	1.59	55.10	1.72	55.50	1.85
		2.0	37.80	1.95	44.00	1.95	47.30	1.95	51.30	1.95	52.80	1.99	53.90	2.05	54.80	2.18	55.20	2.31
		2.5			41.40	2.41	45.40	2.41	50.20	2.41	52.00	2.45	53.50	2.51	54.40	2.64	55.00	2.77
		3.0			38.90	2.88	43.60	2.88	49.20	2.88	51.30	2.92	52.80	2.98	54.10	3.11	54.80	3.24
		3.5						3.34	48.20	3.34	50.60	3.38	52.30	3.44	53.80	3.57	54.50	3.70
		4.0						3.80	47.20	3.80	49.90	3.84	51.80	3.90	53.50	4.03	54.30	4.16

STF 40

PERFORMANCE DATA:

Speed (r/min)	Pump Size	Delivery Pressure (Mpa)	Kinematic Viscosity (mm ² /s) or Engler Viscosity (°E)															
			3(1.2)		6(1.5)		12(2)		40(5)		75(10)		150(20)		380(50)		750(100)	
			Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power
			(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)
950	40-38	0.5	16.90	0.23	18.10	0.23	18.80	0.23	19.60	0.23	19.90	0.25	20.10	0.28	20.30	0.35	20.40	0.42
		1.0	13.90	0.45	16.20	0.45	17.40	0.45	18.80	0.45	19.30	0.42	19.70	0.45	20.00	0.52	20.20	0.59
		1.5	11.20	0.56	14.30	0.56	16.00	0.56	18.00	0.56	18.80	0.59	19.30	0.62	19.80	0.69	20.00	0.76
		2.0	8.60	0.73	12.60	0.73	14.80	0.73	17.30	0.73	18.30	0.75	19.00	0.79	19.60	0.85	19.90	0.92
		2.5	6.10	0.90	10.90	0.90	13.50	0.90	16.60	0.90	17.80	0.92	18.60	0.95	19.40	1.02	19.70	1.09
		3.0			9.30	1.07	12.30	1.07	16.00	1.07	17.30	1.09	18.30	1.12	19.10	1.19	19.50	1.26
		3.5			7.70	1.24	11.20	1.24	15.30	1.24	16.90	1.26	18.00	1.29	18.90	1.36	19.40	1.43
		4.0			6.20	1.41	10.10	1.41	14.70	1.41	16.40	1.43	17.60	1.46	18.70	1.53	19.30	1.60
	40-46	0.5	22.90	0.28	24.40	0.28	25.30	0.28	26.20	0.28	26.60	0.30	26.90	0.34	27.10	0.41	27.20	0.47
		1.0	19.30	0.51	22.00	0.51	23.50	0.51	25.20	0.51	25.90	0.53	26.40	0.56	26.80	0.63	27.00	0.70
		1.5	15.90	0.73	19.80	0.73	21.80	0.73	24.30	0.73	25.20	0.75	25.90	0.79	26.50	0.85	26.80	0.92
		2.0	12.70	0.96	17.60	0.96	20.30	0.96	23.40	0.96	24.60	0.98	25.50	1.01	26.20	1.08	26.60	1.15
		2.5			15.60	1.18	18.80	1.18	22.60	1.18	24.00	1.20	25.00	1.24	25.90	1.30	26.40	1.37
		3.0			13.60	1.41	17.30	1.41	21.80	1.41	23.50	1.43	24.60	1.46	25.70	1.53	26.20	1.60
		3.5					15.90	1.63	21.00	1.63	22.90	1.65	24.20	1.69	25.40	1.75	26.00	1.82
		4.0					14.50	1.86	20.20	1.86	22.30	1.88	23.80	1.91	25.20	1.98	25.80	2.05
	40-54	0.5	31.20	0.36	33.10	0.36	34.10	0.36	35.30	0.36	35.80	0.38	36.10	0.41	36.40	0.48	36.60	0.55
		1.0	26.60	0.66	30.00	0.66	31.90	0.66	34.10	0.66	34.90	0.68	35.50	0.72	36.00	0.78	36.30	0.85
		1.5	22.40	0.96	27.20	0.96	29.80	0.96	32.90	0.96	34.10	0.99	34.90	1.02	35.70	1.09	36.00	1.16
		2.0	18.40	1.27	24.50	1.27	27.90	1.27	31.80	1.27	33.30	1.29	34.40	1.32	35.30	1.39	35.80	1.46
		2.5					26.00	1.57	30.80	1.57	32.60	1.59	33.80	1.62	35.00	1.69	35.50	1.76
		3.0					24.20	1.87	29.80	1.87	31.80	1.89	33.30	1.92	34.70	1.99	35.30	2.06
		3.5							28.80		31.10	2.19	32.80	2.23	34.40	2.29	35.10	2.36
		4.0							27.80		30.40	2.50	32.30	2.53	34.00	2.60	34.90	2.67
3400	40-38	0.5	70.10	1.00	71.40	1.00	72.00	1.00	72.80	1.00	73.10	1.14	73.30	1.36	73.50	1.82	73.60	2.29
		1.0	67.20	1.60	69.40	1.60	70.60	1.60	72.00	1.60	72.50	1.75	72.90	1.96	73.20	2.43	73.40	2.89
		1.5	64.40	2.21	67.60	2.21	69.20	2.21	71.20	2.21	72.00	2.35	72.50	2.56	73.00	3.03	73.20	3.50
		2.0	61.80	2.81	65.80	2.81	68.00	2.81	70.50	2.81	71.50	2.95	72.20	3.17	72.80	3.64	73.10	4.10
		2.5	59.30	3.41	64.10	3.41	66.80	3.41	69.90	3.41	71.00	3.56	71.80	3.77	72.60	4.24	72.90	4.71
		3.0	56.90	4.02	62.50	4.02	65.60	4.02	69.20	4.02	70.50	4.16	71.50	4.38	72.40	4.84	72.80	5.31
		3.5	54.50	4.62	60.90	4.62	64.40	4.62	68.50	4.62	70.10	4.76	71.20	4.98	72.20	5.45	72.60	5.91
		4.0	52.20	5.22	59.40	5.22	63.30	5.22	67.90	5.22	69.60	5.37	70.90	5.58	72.00	6.05	72.50	6.52
	40-46	0.5	93.90	1.20	95.40	1.20	96.20	1.20	97.20	1.20	97.60	1.34	97.80	1.56	98.00	2.03	98.20	2.49
		1.0	90.20	2.00	93.00	2.00	94.40	2.00	96.20	2.00	96.90	2.15	97.30	2.36	97.70	2.83	97.90	3.30
		1.5	86.90	2.81	90.70	2.81	92.80	2.81	95.30	2.81	96.20	2.95	96.90	3.17	97.40	3.64	97.70	4.10
		2.0	83.70	3.61	88.60	3.61	91.20	3.61	94.40	3.61	95.60	3.76	96.40	3.97	97.20	4.44	97.50	4.91
		2.5	80.60	4.42	86.50	4.42	89.70	4.42	93.60	4.42	95.00	4.56	96.00	4.78	96.90	5.25	97.30	5.71
		3.0	77.60	5.22	84.50	5.22	88.30	5.22	92.70	5.22	94.40	5.37	95.60	5.58	96.70	6.05	97.20	6.52
		3.5	74.70	6.03	82.60	6.03	86.90	6.03	91.90	6.03	93.90	6.17	95.20	6.39	96.40	6.85	97.00	7.32
		4.0	71.80	6.83	80.70	6.83	85.50	6.83	91.20	6.83	93.30	6.98	94.80	7.19	96.20	7.66	96.80	8.13
	40-54	0.5	126.50	1.48	128.40	1.48	129.40	1.48	130.60	1.48	131.10	1.62	131.40	1.83	131.70	2.30	131.90	2.77
		1.0	121.90	2.56	125.30	2.56	127.20	2.56	129.40	2.56	130.20	2.70	130.80	2.92	131.30	3.38	131.60	3.85
		1.5	117.70	3.64	122.50	3.64	125.10	3.64	128.20	3.64	129.40	3.78	130.20	4.00	131.00	4.46	131.30	4.93
		2.0	113.70	4.72	119.80	4.72	123.20	4.72	127.10	4.72	128.60	4.86	129.70	5.08	130.60	5.54	131.10	6.01
		2.5	109.80	5.80	117.50	5.80	121.30	5.80	126.10	5.80	127.90	5.94	129.10	6.16	130.30	6.62	130.80	7.09
		3.0	106.00	6.88	114.70	6.88	119.50	6.88	125.10	6.88	127.10	7.02	128.60	7.24	130.00	7.71	130.60	8.17
		3.5			112.30	7.96	117.70	7.96	124.10	7.96	126.40	8.10	128.10	8.32	129.70	8.79	130.40	9.25
		4.0			109.90	9.04	115.90	9.04	123.10	9.04	125.70	9.18	127.60	9.40	129.30	9.87	130.20	10.33

STF 40

PERFORMANCE DATA:

Speed (r/min)	Pump Size	Delivery Pressure (Mpa)	Kinematic Viscosity (mm ² /s) or Engler Viscosity (°E)															
			3(1.2)		6(1.5)		12(2)		40(5)		75(10)		150(20)		380(50)		750(100)	
			Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power	Flow Rate	Shaft Power
			(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)	(l/min)	(kW)
1750	40-38	0.5	34.10	0.45	35.30	0.45	36.00	0.45	36.70	0.45	37.00	0.51	37.80	0.58	37.40	0.76	37.50	0.93
		1.0	31.10	0.76	33.30	0.76	34.50	0.76	35.90	0.76	36.50	0.81	36.80	0.89	37.20	1.06	37.30	1.24
		1.5	28.40	1.07	31.50	1.07	33.20	1.07	35.20	1.07	35.90	1.12	36.50	1.20	37.00	0.37	37.20	1.54
		2.0	25.80	1.38	29.80	1.38	31.90	1.38	34.50	1.38	35.40	1.43	36.10	1.51	36.70	0.68	37.00	1.85
		2.5	23.20	1.69	28.10	1.69	30.70	1.69	33.80	1.69	34.90	1.74	35.80	1.82	36.50	1.99	36.90	2.16
		3.0	20.80	2.00	26.50	2.00	29.50	2.00	33.10	2.00	34.50	2.05	35.40	2.13	36.30	2.30	36.70	2.47
		3.5	18.40	2.31	24.90	2.31	28.40	2.31	32.50	2.31	34.00	2.36	35.10	2.44	36.10	2.61	36.60	2.78
		4.0	16.10	2.62	23.30	2.62	27.20	2.62	31.80	2.62	33.60	2.67	34.80	2.75	35.90	2.92	36.40	3.09
	40-46	0.5	45.80	0.56	47.30	0.56	48.10	0.56	49.10	0.56	49.50	0.61	49.70	0.69	50.00	0.86	50.10	1.03
		1.0	42.20	0.97	44.90	0.97	46.40	0.97	48.10	0.97	48.80	1.02	49.20	1.10	49.70	1.27	49.90	1.44
		1.5	38.80	1.38	42.60	1.38	44.70	1.38	47.20	1.38	48.10	1.43	48.80	1.51	49.40	1.68	49.60	1.85
		2.0	35.60	1.79	40.50	1.79	43.20	1.79	46.30	1.79	47.50	1.84	48.30	1.92	49.10	2.09	49.50	2.27
		2.5	32.50	2.20	38.40	2.20	41.70	2.20	45.50	2.20	46.90	2.26	47.90	2.34	48.80	2.51	49.30	2.68
		3.0	29.50	2.62	36.40	2.62	40.20	2.62	44.70	2.62	46.30	2.67	47.50	2.75	48.60	2.92	49.10	3.09
		3.5			34.50	3.03	38.80	3.03	43.90	3.03	45.80	3.08	47.10	3.16	48.30	3.33	48.90	3.50
		4.0			32.60	3.44	37.40	3.44	43.10	3.44	45.20	3.49	46.70	3.57	48.10	3.74	48.70	3.91
	40-54	0.5	61.90	0.70	63.80	0.70	64.90	0.70	66.10	0.70	66.50	0.75	66.90	0.83	67.10	1.00	67.30	1.17
		1.0	57.40	1.25	60.80	1.25	62.60	1.25	64.80	1.25	65.60	1.30	66.20	1.38	66.80	1.55	67.00	1.72
		1.5	53.10	1.80	58.00	1.80	60.60	1.80	63.70	1.80	64.80	1.86	65.60	1.94	66.40	2.11	66.70	2.28
		2.0	49.10	2.36	55.30	2.36	58.60	2.36	62.60	2.36	64.00	2.41	65.10	2.49	66.00	2.66	66.50	2.83
		2.5			52.70	2.91	56.70	2.91	61.50	2.91	63.30	2.96	64.60	3.04	65.70	3.21	66.30	3.38
		3.0			50.20	3.46	54.90	3.46	60.50	3.46	62.60	3.52	64.00	3.59	65.40	3.77	66.00	3.94
		3.5							59.50	4.02	61.90	4.07	63.50	4.15	65.10	4.32	65.80	4.49
		4.0							58.50	4.57	61.20	4.62	63.10	4.70	64.80	4.87	65.60	5.04
1140	40-38	0.5	21.00	0.28	22.30	0.28	22.90	0.28	23.70	0.28	24.00	0.31	24.20	0.35	24.40	0.44	24.50	0.53
		1.0	18.10	0.48	20.30	0.48	21.50	0.48	22.90	0.48	23.40	0.51	23.80	0.55	24.20	0.64	24.30	0.73
		1.5	15.30	0.68	18.50	0.68	20.10	0.68	22.20	0.68	22.90	0.71	23.40	0.75	23.90	0.84	24.10	0.93
		2.0	12.70	0.89	16.70	0.89	18.90	0.89	21.40	0.89	22.40	0.91	23.10	0.96	23.70	1.05	24.00	1.14
		2.5	10.20	1.09	15.00	1.09	17.70	1.09	20.60	1.09	21.90	1.12	22.70	1.16	23.50	1.25	23.80	1.34
		3.0	7.80	1.29	13.40	1.29	16.50	1.29	20.10	1.29	21.40	1.32	22.40	1.36	23.30	1.45	23.70	1.54
		3.5	5.40	1.49	11.80	1.49	15.30	1.49	19.40	1.49	21.00	1.52	22.10	1.56	23.10	1.65	23.50	1.74
		4.0			10.30	1.70	14.20	1.70	18.80	1.70	20.50	1.72	21.80	1.77	22.90	1.86	23.40	1.95
	40-46	0.5	28.40	0.35	29.90	0.35	30.80	0.35	31.70	0.35	32.10	0.37	32.40	0.42	32.60	0.51	32.70	0.60
		1.0	24.80	0.62	27.50	0.62	29.00	0.62	30.70	0.62	31.40	0.64	31.90	0.69	32.30	0.78	32.50	0.87
		1.5	21.40	0.89	25.30	0.89	27.30	0.89	29.80	0.89	30.70	0.91	31.40	0.96	32.00	1.05	32.30	1.14
		2.0	18.20	1.16	23.10	1.16	25.80	1.16	28.90	1.16	30.10	1.18	31.00	1.23	31.70	1.32	32.10	1.41
		2.5	15.10	1.43	21.10	1.43	24.30	1.43	28.10	1.43	29.50	1.45	30.50	1.50	31.50	1.59	31.90	1.68
		3.0	12.10	1.70	19.10	1.70	22.80	1.70	27.30	1.70	29.00	1.72	30.10	1.77	31.20	1.86	31.70	1.95
		3.5					21.40	1.97	26.50	1.97	28.40	1.99	29.70	2.04	30.90	2.13	31.50	2.22
		4.0					20.00	2.24	25.70	2.24	27.80	2.26	29.30	2.31	30.70	2.40	31.40	2.49
	40-54	0.5	38.60	0.44	40.50	0.44	41.50	0.44	42.70	0.44	43.20	0.47	43.50	0.51	43.80	0.60	43.90	0.69
		1.0	34.00	0.80	37.40	0.80	39.30	0.80	41.50	0.80	42.30	0.83	42.90	0.87	43.40	0.96	43.70	1.05
		1.5	29.80	1.16	34.60	1.16	37.20	1.16	40.30	1.16	41.50	1.19	42.30	1.23	43.10	1.32	43.40	1.41
		2.0	25.80	1.53	31.90	1.53	35.30	1.53	39.20	1.53	40.70	1.55	41.80	1.60	42.70	1.69	43.20	1.78
		2.5					33.40	1.89	38.20	1.89	40.00	1.92	41.20	1.96	42.40	2.05	42.90	2.14
		3.0					31.60	2.25	37.10	2.25	39.20	2.28	40.70	2.32	42.10	2.41	42.70	2.50
		3.5							36.10	2.61	38.50	2.64	40.20	2.68	41.70	2.77	42.50	2.86
		4.0							35.20	2.98	37.80	3.00	39.70	3.05	41.40	3.14	42.30	3.23

MODEL SELECTION:

MODEL SELECTION TABLE										
STF	*	*	*	*	*	*	*	*	*	*
SIZE	20									
	40									
ROTATION	R									(CW) Clockwise
	L									(CCW) Counter Clockwise
PITCH ANGLE	38									38 Degree
	46									46 degree
	54									54 Degree
	56									56 Degree
INSTALLATIONS	H									Horizontal
	V									Vertical
BEARING TYPE	G									
SEAL TYPE	M									Mechanical
	P									Glands packings
FILTER	F									With Filter
	N									Without Filter
DRIVE TYPE	D									Direct Coupled
	G									Geared Reducer
MOTOR	S									Standard IE3, Non Explosion Proof
	E									Explosions proof IE3

Contact Us

Business Hours

📞 Weekdays: 8.30AM to 5.30PM
 Weekends: Closed

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