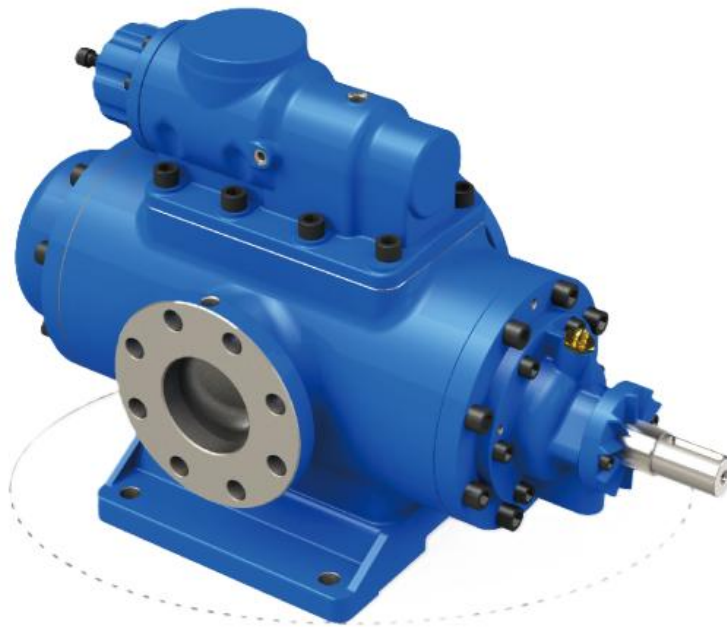


PRODUCT SPECIFICATIONS

MODEL: STN

TRI-SPINDLE SCREW PUMP



OVERVIEW

STN Type Three Spindle screw pump is of self-priming.

Because of the unit assembly system every pump can be supplied as cartridge pump for foot, flange or wall mounting is pedestal, bracket or submersible design.

According to the delivery medium heated or cooled design are also available.

USAGE

For the handing of oil and medium with lubricating properties.

APPLICATION

In heating techniques as fuel oil injection, fuel supply and transfer pumps.

In the machining industry as hydraulic and telemotor pumps.

In the chemical and food industry as cargo transfer or supply pumps.

In the marine field as transfer, booster, fuel oil pumps as well for ship hydraulics.

Type

Type	Main Feature	Max Capacity	Size	Max Delivery Pressure (Mpa)
STN	Low Pressure, Single entry, Spindles with hydraulic balance of axial thrust.	5300	40-5300	4

Design

Design Code	Description of Design Code
H	Horizontal foot mountad pump
F	Flange mounted pump
S	Vertical pedestal mounted pump
E	Cartridge unit pump
T	Cartridge unit pump, to be pushed in from suction side with throttle bush
G	Gear mounted pump without shaft sealing U turn longitudinal

Pitch Angle

Size	40	80	120	210	280	440	660	940	1300	1700	2200	2900	3600	5300
Pitch Angle (°)	38	36	42	40	43	40	40	42	38	42	42	40	46	46
	46	42	46	46	46	46	44	46	42	46	46	46		
	54	46	54	54	54	52	46	50	46					
		54				54	51	54	54					
							54							

Special design feature and bearing and shaft seal

Type / Size	Description of Design	Usage
U12.1	Internal ball bearing and mechanical seal.	Pumping medium has better lubricity and the temperature $\leq 80^{\circ}\text{C}$.
K2	External bearing and packing seal.	Pumping medium has less lubricity, high viscosity and temperature $\leq 150^{\circ}\text{C}$.
E6.7	External ball bearing and packing seal.	Pumping medium has less lubricity and temperature $\leq 150^{\circ}\text{C}$.

Casing

Code	Description
No Mark	Standard pumping casing, used to pump lubricating liquid with good fluidity.
Y	Casing with jacket for steam and heated transfer oil to heat up the medium, used to pump the medium with higher viscosity or less fluidity.

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

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=950r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)
40 - 38	0.5	16.8	0.236	17.9	0.236	18.5	0.236	19.0	0.236	19.4	0.236	19.8	0.266	20.0	0.309	20.2	0.361	20.3	0.455
	1.0	13.6	0.480	15.6	0.408	16.7	0.408	17.7	0.408	18.4	0.408	19.0	0.438	19.4	0.481	19.8	0.533	20.0	0.627
	1.5	10.8	0.580	13.6	0.590	15.1	0.580	16.5	0.580	17.5	0.580	18.4	0.610	18.9	0.653	19.5	0.705	19.8	0.799
	2.0	8.0	0.752	11.6	0.752	13.6	0.752	15.4	0.752	16.7	0.752	17.8	0.752	18.5	0.925	19.2	0.877	19.6	0.971
	2.5	5.4	0.924	7.7	0.924	12.1	0.924	14.3	0.924	15.8	0.924	17.2	0.954	18.0	1.000	18.9	1.050	19.3	1.140
	3.0			7.9	1.100	10.7	1.100	13.3	1.100	15.0	1.100	16.6	1.130	17.6	1.170	18.6	1.220	19.1	1.320
	3.5					9.3	1.270	12.2	1.270	14.3	1.270	16.0	1.300	17.2	1.340	18.3	1.390	18.9	1.490
	4.0					8.0	1.440	11.2	1.440	13.5	1.440	15.4	1.470	16.7	1.510	18.0	1.560	18.7	1.660
40 - 46	0.5	22.2	0.294	23.7	0.294	24.5	0.294	25.3	0.294	25.9	0.294	26.4	0.374	26.6	0.357	26.9	0.418	27.1	0.513
	1.0	18.0	0.523	20.6	0.523	22.1	0.523	23.3	0.523	24.5	0.523	25.4	0.553	25.9	0.596	26.4	0.647	26.7	0.742
	1.5	14.1	0.752	17.8	0.752	19.9	0.752	21.9	0.752	23.3	0.752	24.6	0.782	25.3	0.825	26.0	0.877	26.4	0.971
	2.0	10.4	0.982	15.1	0.982	17.8	0.982	20.3	0.982	22.1	0.982	23.7	1.010	24.6	1.060	25.5	1.110	26.1	1.200
	2.5			12.5	1.210	15.8	1.210	18.8	1.210	21.0	1.210	22.9	1.240	24.0	1.280	25.1	1.340	25.8	1.430
	3.0					13.8	1.440	17.3	1.440	19.9	1.440	22.2	1.470	23.4	1.510	24.7	1.560	25.5	1.660
	3.5							15.9	1.670	18.8	1.670	21.4	1.700	22.9	1.740	24.3	1.790	25.2	1.890
	4.0									17.8	1.900	20.7	1.930	22.3	1.970	23.9	2.020	24.4	2.120
40 - 54	0.5	28.5	0.372	30.8	0.372	32.2	0.372	33.4	0.372	34.3	0.372	35.1	0.402	35.5	0.445	36.0	0.497	36.2	0.519
	1.0	21.8	0.680	26.0	0.680	28.4	0.680	30.6	0.680	32.2	0.680	33.6	0.710	34.4	0.753	35.2	0.805	35.7	0.899
	1.5	15.5	0.988	21.4	0.558	24.8	0.988	27.9	0.988	30.2	0.988	32.2	1.020	33.3	1.060	34.4	1.110	35.1	1.210
	2.0					21.5	1.300	25.4	1.300	28.2	1.300	30.8	1.330	32.3	1.370	33.7	1.420	34.6	1.520
	2.5							23.0	1.600	26.5	1.600	29.5	1.630	31.3	1.680	33.0	1.730	34.1	1.820
	3.0									24.7	1.910	28.3	1.940	30.3	1.980	34.4	2.040	33.6	2.130
	3.5									23.0	2.220	27.1	2.250	29.4	2.290	31.7	2.340	33.2	2.440
	4.0											25.9	2.360	28.5	2.800	31.1	2.650	32.7	2.750
80 - 36	0.5	31.4	0.404	33.1	0.404	34.1	0.404	35.0	0.404	35.7	0.404	36.3	0.443	36.6	0.499	37.0	0.571	37.1	0.692
	1.0	26.4	0.718	29.5	0.718	31.3	0.718	32.9	0.718	34.1	0.718	35.2	0.757	35.8	0.812	35.4	0.885	35.7	1.010
	1.5	21.7	1.030	26.1	1.030	28.6	1.030	30.9	1.030	32.6	1.030	34.1	1.070	35.0	1.130	35.8	1.200	36.3	1.320
	2.0	17.3	1.350	22.9	1.350	26.1	1.350	29.0	1.350	31.2	1.350	33.2	1.380	34.2	1.440	35.3	1.510	35.9	1.630
	2.5	13.1	1.660	19.8	1.660	23.7	1.660	27.2	1.660	29.8	1.660	32.2	1.700	33.5	1.750	34.8	1.830	35.5	1.950
	3.0			16.8	1.970	21.4	1.970	25.5	1.970	28.5	1.970	31.3	2.010	32.8	2.070	34.4	2.140	35.1	2.260
	3.5			13.9	2.290	19.1	2.290	23.8	2.290	27.2	2.290	30.4	2.330	32.2	2.380	33.9	2.480	34.8	2.580
	4.0					16.9	2.600	22.1	2.600	26.0	2.600	29.5	2.640	31.5	2.700	33.4	2.770	34.4	2.890
80 - 42	0.5	37.3	0.472	39.6	0.472	41.0	0.472	42.3	0.472	43.1	0.472	43.9	0.511	44.4	0.567	44.9	0.640	45.1	0.750
	1.0	30.4	0.855	34.7	0.855	37.2	0.855	39.4	0.855	41.0	0.855	42.4	0.893	43.3	0.949	44.1	1.020	44.5	1.140
	1.5	24.0	1.240	30.1	1.240	33.6	1.240	36.7	1.240	38.9	1.240	40.9	1.280	42.2	1.330	43.3	1.400	43.9	1.520
	2.0	17.9	1.620	25.7	1.620	30.2	1.620	34.1	1.620	37.0	1.620	39.6	1.660	41.2	1.710	42.6	1.790	43.3	1.910
	2.5			21.5	2.000	26.9	2.000	31.7	2.000	35.2	2.000	38.2	2.040	40.2	2.100	41.9	2.170	42.8	2.290
	3.0					23.7	2.380	29.3	2.390	33.4	2.380	37.0	2.420	39.2	2.480	41.3	2.550	42.3	2.670
	3.5					20.6	2.770	27.0	2.770	31.7	2.770	35.7	2.830	38.3	2.860	40.6	2.930	41.8	3.050
	4.0							24.7	3.150	29.9	3.150	34.5	3.190	37.4	3.240	40.0	3.320	41.3	3.440
80 - 46	0.5	45.1	0.538	47.5	0.538	48.9	0.538	50.1	0.538	51.0	0.538	51.8	0.576	52.3	0.532	52.7	0.703	52.9	0.825
	1.0	38.2	0.986	42.5	0.986	45.0	0.986	47.2	0.986	48.8	0.986	50.2	1.020	51.1	1.080	51.9	1.150	52.3	1.270
	1.5	31.8	1.430	37.9	1.430	41.4	1.430	44.5	1.430	46.8	1.430	48.8	1.470	50.1	1.530	51.2	1.600	51.7	1.720
	2.0	25.8	1.880	33.5	1.880	38.0	1.880	42.0	1.880	44.9	1.880	47.4	1.920	49.1	1.960	50.9	2.050	51.2	2.170
	2.5			29.3	2.330	34.8	2.330	39.6	2.330	43.0	2.330	46.1	2.370	48.1	2.420	49.8	2.500	50.7	2.620
	3.0					31.6	2.780	37.2	2.780	41.3	2.780	44.8	2.810	47.1	2.870	49.1	2.940	50.2	3.060
	3.5							34.9	3.220	39.5	3.220	43.6	3.760	46.2	3.320	48.5	3.390	49.7	3.510
	4.0									37.9	3.670	42.4	3.710	45.3	3.770	47.9	3.840	49.2	3.960

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA
Speed n=950r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)
80 - 54	0.5	57.0	0.68	60.8	0.68	63.0	0.68	65.0	0.65	66.4	0.68	67.7	0.718	68.4	0.774	69.1	0.847	69.5	0.957
	1.0	46.0	1.27	52.9	1.27	55.9	1.27	60.4	1.27	63.0	1.27	65.3	1.31	66.6	1.36	67.9	1.44	68.6	1.56
	1.5	35.8	1.86	45.5	1.96	51.1	1.86	56.1	1.86	59.7	1.86	63.0	1.90	64.8	1.95	66.7	2.03	67.7	2.15
	2.0					45.7	2.45	52.0	2.45	56.7	2.45	60.8	2.49	63.2	2.54	65.5	2.62	66.8	2.74
	2.5							48.1	3.04	53.8	3.04	58.8	3.08	61.6	3.13	64.4	3.21	66.0	3.33
	3.0									50.9	3.63	56.8	3.67	60.1	3.72	63.4	3.80	65.2	3.92
	3.5									48.1	4.22	54.8	4.26	58.6	4.31	62.3	4.39	64.4	4.51
	4.0											52.9	4.85	57.1	4.90	61.3	4.97	63.6	5.09
120 - 42	0.5	54.4	0.701	57.5	0.701	59.2	0.701	60.9	0.701	62.0	0.70	63.0	0.756	63.6	0.838	64.2	0.958	64.5	1.16
	1.0	45.5	1.25	51.0	1.25	54.2	1.25	57.1	1.25	59.2	1.25	61.0	1.30	62.1	1.38	63.2	1.50	63.7	1.71
	1.5	37.3	1.79	45.1	1.79	49.6	1.79	53.7	1.79	56.6	1.79	59.2	1.85	60.7	1.93	62.3	2.05	63.0	2.26
	2.0	29.5	2.34	39.4	2.34	45.1	2.34	50.4	2.34	54.2	2.34	57.4	2.39	59.4	2.48	61.4	2.60	62.3	2.8
	2.5			33.9	2.55	40.9	2.89	47.2	2.89	51.8	2.88	55.7	2.94	58.1	3.02	60.5	3.14	61.6	3.35
	3.0					36.8	3.43	44.1	3.43	49.5	3.43	54.1	3.49	56.9	3.57	59.7	3.69	60.9	3.89
	3.5					32.7	3.98	41.2	3.98	47.2	3.98	52.5	4.03	55.7	4.11	58.8	4.23	60.3	4.44
	4.0							39.2	4.52	45.0	4.52	50.5	4.58	54.5	4.66	58.0	4.78	59.7	4.99
120 - 46	0.5	66.2	0.799	69.3	0.799	71.0	0.799	72.7	0.799	73.8	0.80	74.8	0.855	75.4	0.936	76.0	1.06	76.3	1.26
	1.0	57.3	1.44	62.8	1.44	66.0	1.44	69.9	1.44	71.0	1.44	72.8	1.50	73.9	1.58	75.0	1.70	75.5	1.91
	1.5	49.1	2.09	56.8	2.09	61.4	2.09	65.5	2.09	68.4	2.09	71.0	2.14	72.5	2.22	74.1	2.34	74.8	2.55
	2.0	41.3	2.73	51.2	2.73	55.9	2.73	62.2	2.73	66.0	2.73	69.2	2.79	71.2	2.97	73.2	2.99	74.1	3.20
	2.5			45.7	3.38	52.7	3.38	59.0	3.38	63.6	3.38	67.5	3.43	69.9	3.51	72.3	3.63	73.4	3.84
	3.0					48.6	4.02	55.9	4.02	61.3	4.02	65.9	4.08	68.7	4.16	71.5	4.28	72.7	4.48
	3.5							52.9	4.66	59.0	4.65	64.3	4.72	67.4	4.80	70.6	4.92	72.1	5.13
	4.0									56.8	5.31	62.7	5.36	66.3	5.45	69.8	5.57	71.5	5.77
120 - 54	0.5	85.1	1.01	90.0	1.01	92.9	1.01	95.4	1.01	97.3	1.1	98.9	1.07	100.0	1.15	101.0	1.27	101.0	1.48
	1.0	70.9	1.87	79.7	1.87	84.9	1.87	89.4	1.87	92.8	1.87	95.8	1.92	97.5	2.01	99.2	2.13	100.0	2.33
	1.5	57.7	2.73	70.1	2.73	77.5	2.73	83.8	2.73	88.6	2.73	92.8	2.78	95.2	2.86	97.6	2.99	98.9	3.19
	2.0					70.4	3.58	78.5	3.58	84.7	3.58	90.1	3.64	93.1	3.72	96.2	3.84	97.8	4.05
	2.5							73.4	4.44	80.9	4.44	87.4	4.50	91.1	4.58	94.8	4.70	96.8	4.90
	3.0									77.2	5.30	84.8	5.35	89.1	5.43	93.4	5.56	95.7	5.76
	3.5									73.6	6.15	82.3	6.21	87.2	6.29	92.1	6.41	94.7	6.62
	4.0											79.8	7.07	85.3	7.15	90.8	7.27	93.8	7.48
210 - 40	0.5	96.8	1.15	100.0	1.15	102.0	1.15	104.0	1.15	105.0	1.15	107.0	1.23	107.0	1.35	108.0	1.56	108.0	1.87
	1.0	86.7	2.06	93.0	2.06	96.6	2.06	100.0	2.06	102.0	2.06	104.0	2.14	106.0	2.27	107.0	2.47	107.0	2.79
	1.5	77.4	2.98	86.3	2.98	91.3	2.98	95.9	2.98	99.3	2.98	102.0	3.05	104.0	3.18	106.0	3.38	107.0	3.70
	2.0	68.5	3.89	79.5	3.59	86.3	3.89	92.1	3.89	96.4	3.89	100.0	3.96	103.0	4.09	105.0	4.30	106.0	4.61
	2.5	60.0	4.8	73.7	4.80	81.5	4.80	89.5	4.80	93.7	4.80	99.3	4.89	101.0	5.00	104.0	5.21	105.0	5.52
	3.0			67.7	5.71	76.8	5.71	85.0	5.71	91.1	5.71	96.4	5.79	100.0	5.91	103.0	6.12	104.0	6.43
	3.5					72.3	6.62	81.6	6.62	88.5	6.62	94.6	6.70	98.4	6.82	102.0	7.03	104.0	7.34
	4.0							78.2	7.53	86.0	7.53	92.8	7.61	97.1	7.74	101.0	7.94	103.0	8.26
210 - 46	0.5	120	1.39	125	1.39	128	1.39	130	1.39	132.0	1.39	134.0	1.46	135.0	1.59	136.0	1.79	136.0	2.11
	1.0	107	2.53	115	2.53	120	2.53	124	2.53	128.0	2.53	131.0	2.61	132.0	2.74	134.0	2.94	135.0	3.25
	1.5	93.8	3.68	106	3.68	113	3.68	119	3.68	124.0	3.68	128.0	3.76	130.0	3.88	133.0	4.09	134.0	4.4
	2.0	81.7	4.83	97.2	4.83	106	4.83	144	4.83	120.0	4.83	125.0	4.90	128.0	5.03	131.0	5.23	133.0	5.55
	2.5			88.8	5.97	100	5.97	109	5.97	116.0	5.97	123.0	6.05	126.0	6.17	130.0	6.38	132.0	6.69
	3.0					93.3	7.12	104	7.12	113.0	7.12	120.0	7.20	124.0	7.32	128.0	7.63	131.0	7.84
	3.5							100	8.27	109.0	8.27	118.0	8.34	123.0	8.47	127.0	8.67	130.0	8.99
	4.0									106.0	9.41	115.0	9.49	121.0	9.61	126.0	9.82	129.0	10.10

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA
Speed n=950r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)
210 - 54	0.5	156.00	1.77	164.00	1.77	168.00	1.77	172.00	1.77	175.00	1.77	177.00	1.85	179.00	1.97	180.00	2.18	181.00	1.49
	1.0	134.00	3.30	148.00	3.30	156.00	3.30	163.00	3.30	168.00	3.30	172.00	3.38	175.00	3.50	178.00	3.71	179.00	4.02
	1.5	113.00	4.83	133.00	4.83	144.00	4.83	154.00	4.83	161.00	4.83	168.00	4.90	172.00	5.03	175.00	5.23	177.00	5.55
	2.0					133.00	6.36	146.00	6.36	155.00	6.36	163.00	6.43	168.00	6.57	173.00	6.76	176.00	7.08
	2.5							138.00	7.88	149.00	7.88	159.00	7.96	165.00	8.09	171.00	8.29	174.00	8.61
	3.0									144.00	9.41	155.00	9.49	162.00	9.61	169.00	9.82	172.00	10.10
	3.5									138.00	10.90	151.00	11.00	159.00	11.10	167.00	11.30	171.00	11.70
	4.0											147.00	12.50	156.00	12.70	166.00	1.90	169.00	13.20
280 - 43	0.5	141.00	1.77	147.00	1.71	150.00	1.71	153.00	1.71	155.00	1.71	157.00	1.84	158.00	2.01	159.00	2.34	160.00	2.80
	1.0	124.00	3.06	135.00	3.06	141.00	3.06	146.00	3.06	150.00	3.06	153.00	3.19	156.00	3.36	157.00	3.69	159.00	4.15
	1.5	109.00	4.41	124.00	4.41	132.00	4.41	140.00	4.40	145.00	4.41	150.00	4.54	153.00	4.71	156.00	5.04	157.00	5.50
	2.0	94.20	5.75	113.00	5.76	124.00	5.76	133.00	5.76	141.00	5.76	147.00	5.88	150.00	6.06	154.00	6.39	156.00	6.58
	2.5			103.00	7.11	116.00	7.10	127.00	7.11	136.00	7.11	144.00	7.23	148.00	7.41	152.00	7.74	155.00	8.20
	3.0					108.00	8.46	122.00	8.46	132.00	8.46	140.00	8.58	146.00	8.76	151.00	9.09	153.00	9.55
	3.5					101.00	9.80	116.00	9.80	128.00	9.80	137.00	9.93	144.00	10.10	149.00	10.40	152.00	10.90
	4.0							110.00	11.20	123.00	11.20	135.00	11.30	141.00	11.50	148.00	11.80	151.00	12.20
280 - 46	0.5	163.00	1.99	168.00	1.89	172.00	1.89	175.00	1.99	177.00	1.89	179.00	2.02	180.00	2.19	181.00	2.52	182.00	2.98
	1.0	146.00	3.42	156.00	3.42	162.00	3.42	168.00	3.42	172.00	3.42	175.00	3.55	177.00	3.72	179.00	4.05	180.00	4.51
	1.5	131.00	4.95	145.00	4.95	154.00	4.95	161.00	4.95	167.00	4.95	172.00	5.08	175.00	5.25	177.00	5.58	179.00	6.04
	2.0	116.00	6.48	135.00	6.48	145.00	6.48	155.00	6.48	162.00	6.48	168.00	6.60	172.00	6.78	176.00	7.11	178.00	7.57
	2.5			124.00	8.01	137.00	8.01	149.00	8.01	158.00	8.01	165.00	8.13	170.00	8.31	174.00	8.64	176.00	9.10
	3.0					130.00	9.54	143.00	9.54	153.00	9.54	162.00	9.66	167.00	9.84	172.00	10.20	175.00	10.60
	3.5							138.00	11.10	149.00	11.10	159.00	11.20	165.00	11.40	171.00	11.70	174.00	12.20
	4.0									145.00	12.60	156.00	12.70	163.00	12.90	169.00	13.20	173.00	13.70
280 - 54	0.5	211.00	2.40	220.00	2.40	226.00	2.40	230.00	2.40	234.00	2.40	237.00	2.53	239.00	2.70	240.00	3.03	241.00	3.49
	1.0	138.00	4.44	201.00	4.44	211.00	4.44	219.00	4.44	225.00	4.44	231.00	4.36	234.00	4.74	237.00	5.07	239.00	5.53
	1.5	160.00	6.47	183.00	6.47	197.00	6.47	209.00	6.47	218.00	6.40	225.00	6.60	230.00	6.77	234.00	7.11	237.00	7.56
	2.0					184.00	8.51	199.00	8.51	210.00	8.50	220.00	8.64	226.00	8.81	232.00	9.14	235.00	9.60
	2.5							189.00	10.50	203.00	10.50	215.00	10.70	222.00	10.80	229.00	11.20	233.00	11.60
	3.0									195.00	12.60	210.00	12.70	219.00	12.90	227.00	13.20	231.00	13.70
	3.5									190.00	14.00	206.00	14.70	215.00	14.90	224.00	15.30	229.00	15.70
	4.0											201.00	16.80	212.00	17.00	222.00	17.30	227.00	17.70
440 - 40	0.5	205.00	2.43	211.00	2.43	215.00	2.43	218.00	2.43	220.00	2.43	222.00	2.61	223.00	2.85	224.00	3.34	225.00	4.04
	1.0	188.00	4.31	199.00	4.31	205.00	4.31	210.00	4.31	215.00	4.31	218.00	4.50	220.00	4.74	222.00	5.23	223.00	5.92
	1.5	172.00	6.20	188.00	6.20	196.00	6.20	204.00	6.20	210.00	6.20	215.00	6.39	218.00	6.63	220.00	7.12	222.00	7.81
	2.0	157.00	8.09	177.00	8.09	188.00	8.09	197.00	8.09	205.00	8.09	211.00	8.28	215.00	8.52	219.00	9.01	221.00	9.70
	2.5	143.00	10.00	166.00	10.00	180.00	10.00	191.00	10.00	20.00	10.00	208.00	10.20	213.00	10.40	217.00	10.90	219.00	11.60
	3.0			156.00	11.90	172.00	11.90	185.00	11.00	196.00	11.90	205.00	12.10	210.00	12.90	215.00	12.80	218.00	13.50
	3.5					164.00	13.80	180.00	13.80	192.00	13.80	202.00	13.90	208.00	14.20	214.00	14.70	217.00	15.40
	4.0							174.00	15.60	187.00	15.60	199.00	15.80	206.00	16.10	212.00	16.60	216.00	17.30
440 - 46	0.5	260.00	2.95	269.00	2.95	273.00	2.95	277.00	2.95	280.00	2.95	283.00	3.14	285.00	3.37	286.00	3.87	216.00	4.56
	1.0	237.00	5.36	252.00	5.36	260.00	5.36	267.00	5.36	273.00	5.36	278.00	5.55	281.00	5.79	283.00	6.28	287.00	6.97
	1.5	215.00	7.75	236.00	7.78	248.00	7.78	258.00	7.78	266.00	7.78	273.00	7.97	277.00	8.20	281.00	8.69	285.00	9.39
	2.0	195.00	10.20	221.00	10.20	236.00	10.20	250.00	10.20	260.00	10.20	268.00	10.40	274.00	10.60	279.00	11.10	283.00	11.80
	2.5			207.00	12.60	225.00	12.60	241.00	12.60	253.00	12.60	264.00	12.80	270.00	13.00	276.00	13.50	281.00	14.20
	3.0					215.00	15.00	233.00	15.00	247.00	15.00	260.00	15.20	267.00	15.40	274.00	15.90	278.00	16.60
	3.5							225.00	17.40	241.00	17.40	255.00	17.60	264.00	17.90	272.00	18.30	275.00	19.00
	4.0									236.00	19.80	252.00	20.00	261.00	20.30	270.00	20.80	275.00	21.50

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=950r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)
440 - 52	0.5	294.00	3.38	307.00	3.38	315.00	3.38	321.00	3.38	326.00	3.38	330.00	3.56	333.00	3.80	335.00	4.29	337.00	4.99
	1.0	257.00	6.21	280.00	6.21	293.00	6.21	305.00	6.21	314.00	6.21	322.00	6.40	326.00	6.64	331.00	7.13	333.00	7.82
	1.5	222.00	9.06	255.00	9.05	274.00	9.05	291.00	9.05	303.00	9.06	314.00	9.24	321.00	9.48	327.00	10.00	330.00	10.70
	2.0			231.00	11.90	256.00	11.90	277.00	11.90	293.00	11.90	307.00	12.10	315.00	12.30	333.00	12.80	327.00	13.50
	2.5					238.00	14.70	264.00	14.70	283.00	14.70	300.00	14.90	310.00	15.20	319.00	15.70	325.00	16.30
	3.0							251.00	17.60	273.00	17.60	293.00	17.80	305.00	18.00	316.00	18.50	322.00	19.20
	3.5									264.00	20.40	286.00	20.60	300.00	20.80	312.00	21.80	319.00	22.00
	4.0											280.00	23.40	296.00	23.70	309.00	24.20	317.00	24.90
440 - 54	0.5	333.00	3.70	346.00	3.70	354.00	3.70	360.00	3.70	365.00	3.70	370.00	3.89	372.00	4.13	375.00	4.52	376.00	5.31
	1.0	296.00	6.87	319.00	6.87	333.00	6.87	345.00	6.87	354.00	6.87	361.00	7.05	366.00	7.29	370.00	7.79	373.00	8.49
	1.5	262.00	10.00	294.00	10.00	313.00	10.00	330.00	10.00	343.00	10.00	354.00	10.20	360.00	10.50	366.00	11.00	370.00	11.60
	2.0					295.00	13.20	316.00	13.20	332.00	13.20	346.00	13.40	354.00	13.60	362.00	14.10	367.00	14.80
	2.5							303.00	16.40	322.00	16.40	339.00	16.60	349.00	16.80	359.00	17.90	364.00	18.00
	3.0									313.00	19.50	332.00	19.70	344.00	20.00	355.00	20.50	361.00	21.10
	3.5									303.00	22.70	326.00	22.90	339.00	23.10	352.00	23.60	359.00	24.30
	4.0											319.00	26.10	334.00	26.30	348.00	28.80	356.00	27.50
660 - 40	0.5	324.00	3.71	332.00	3.71	336.00	3.71	340.00	3.71	343.00	3.71	346.00	3.98	348.00	4.31	349.00	5.05	350.00	6.03
	1.0	301.00	6.65	315.00	6.65	324.00	6.65	331.00	6.65	336.00	6.65	341.00	6.92	344.00	7.25	346.00	7.99	348.00	8.97
	1.5	280.00	9.58	300.00	9.58	312.00	9.56	322.00	9.58	330.00	9.58	336.00	9.86	340.00	10.20	344.00	10.90	346.00	11.90
	2.0	260.00	12.50	286.00	12.50	300.00	12.50	314.00	12.50	323.00	12.50	332.00	12.80	337.00	13.10	342.00	13.90	344.00	14.90
	2.5			272.00	15.50	290.00	15.50	305.00	15.50	317.00	15.50	327.00	15.70	334.00	16.10	339.00	16.90	343.00	17.80
	3.0					279.00	18.40	298.00	18.40	311.00	18.40	323.00	18.70	330.00	19.00	337.00	19.70	341.00	20.70
	3.5					269.00	21.30	290.00	21.30	305.00	21.30	319.00	21.00	327.00	21.90	335.00	22.70	339.00	23.70
	4.0							282.00	24.30	300.00	24.30	315.00	24.50	324.00	24.90	333.00	25.60	338.00	26.60
660 - 44	0.5	361.00	4.10	372.00	4.10	378.00	4.10	383.00	4.10	387.00	4.10	391.00	4.37	393.00	4.70	395.00	5.45	396.00	6.43
	1.0	329.00	7.43	349.00	7.43	380.00	7.43	370.00	7.43	378.00	7.43	384.00	7.70	388.00	8.03	391.00	8.75	393.00	9.75
	1.5	301.00	10.80	328.00	10.80	344.00	10.80	358.00	10.80	368.00	10.80	377.00	11.00	383.00	11.40	388.00	12.10	391.00	13.10
	2.0			308.00	14.10	328.00	14.10	346.00	14.10	360.00	14.10	371.00	14.40	378.00	14.70	385.00	15.40	388.00	16.40
	2.5					314.00	17.40	335.00	17.40	352.00	17.40	365.00	17.70	374.00	18.00	382.00	18.80	386.00	19.70
	3.0					299.00	20.80	324.00	20.80	343.00	20.80	360.00	21.00	369.00	21.40	379.00	22.10	384.00	23.10
	3.5							314.00	24.10	336.00	24.10	354.00	24.40	365.00	24.70	376.00	25.40	382.00	26.40
	4.0									328.00	27.40	349.00	27.70	361.00	28.00	373.00	28.80	380.00	29.70
660 - 46	0.5	393.00	4.38	404.00	4.38	410.00	4.38	416.00	4.38	420.00	4.38	424.00	4.65	426.00	4.98	428.00	5.72	429.00	6.70
	1.0	362.00	7.98	382.00	7.98	393.00	7.98	403.00	7.98	410.00	7.98	417.00	8.25	421.00	8.58	424.00	9.32	426.00	10.30
	1.5	333.00	11.60	361.00	11.60	377.00	11.50	391.00	11.60	401.00	11.60	410.00	11.90	416.00	12.20	421.00	12.90	424.00	13.90
	2.0			341.00	15.20	362.00	15.20	379.00	15.20	393.00	15.20	404.00	15.50	411.00	15.80	418.00	16.50	421.00	17.50
	2.5					346.00	18.80	368.00	18.90	384.00	18.00	398.00	19.10	406.00	19.40	415.00	20.10	419.00	21.10
	3.0							357.00	22.40	376.00	22.40	392.00	22.70	402.00	23.00	412.00	23.70	417.00	24.70
	3.5									368.00	25.00	387.00	26.30	398.00	25.60	409.00	27.30	414.00	28.30
	4.0									361.00	29.60	381.00	29.90	394.00	30.20	406.00	30.90	412.00	31.90
660 - 51	0.5	452.00	5.65	469.00	5.05	479.00	5.05	487.00	5.05	494.00	5.06	500.00	5.32	503.00	5.65	506.00	6.40	506.00	7.38
	1.0	402.00	9.33	432.00	9.33	450.00	9.33	466.00	9.33	478.00	9.33	489.00	9.60	496.00	9.93	501.00	10.70	504.00	11.70
	1.5	356.00	13.60	399.00	13.60	424.00	13.60	447.00	13.60	464.00	13.60	478.00	13.90	487.00	14.20	495.00	15.00	500.00	15.90
	2.0					400.00	17.90	429.00	17.90	450.00	17.90	468.00	18.20	479.00	18.50	490.00	19.20	496.00	20.20
	2.5							410.00	22.20	437.00	22.20	459.00	22.40	472.00	22.80	485.00	23.50	492.00	24.50
	3.0									424.00	26.50	450.00	26.70	465.00	27.10	480.00	27.80	488.00	28.80
	3.5									411.00	30.70	441.00	31.00	455.00	31.30	476.00	32.10	485.00	33.10
	4.0											432.00	35.30	452.00	35.60	471.00	36.40	481.00	37.30

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA
Speed n=950r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)
660 - 54	0.5	572.00	5.64	539.00	5.64	549.00	5.64	557.00	5.64	564.00	5.64	570.00	5.91	573.00	6.24	576.00	6.98	578.00	7.96
	1.0	472.00	10.50	503.00	10.50	521.00	10.50	536.00	10.50	548.00	10.50	559.00	10.80	565.00	11.10	571.00	11.80	574.00	12.80
	1.5			469.00	15.40			496.00	15.40	517.00	15.40	534.00	15.40	548.00	15.60	557.00	16.00	565.00	16.70
	2.0					470.00	20.20	498.00	20.20	520.00	20.20	539.00	20.50	550.00	20.80	560.00	21.60	566.00	22.60
	2.5							480.00	25.10	507.00	25.10	529.00	25.40	542.00	25.70	565.00	26.40	562.00	27.40
	3.0									494.00	30.00	520.00	30.20	535.00	30.60	550.00	31.30	559.00	32.30
	3.5											511.00	35.10	529.00	35.40	546.00	36.20	556.00	37.10
	4.0													522.00	40.30	541.00	41.00	552.00	42.00
940 - 42	0.5	463.00	5.38	477.00	5.38	485.00	5.38	492.00	5.38	497.00	5.38	502.00	5.76	505.00	6.20	507.00	7.25	509.00	8.57
	1.0	422.00	9.66	447.00	9.66	462.00	9.66	475.00	9.66	484.00	9.66	493.00	10.00	498.00	10.50	502.00	11.50	506.00	12.80
	1.5	385.00	13.90	420.00	13.90	441.00	13.90	459.00	13.90	473.00	13.90	484.00	14.30	491.00	14.80	498.00	15.80	502.00	17.10
	2.0	330.00	18.20	395.00	18.20	421.00	18.20	444.00	18.20	461.00	18.20	477.00	18.50	485.00	19.00	494.00	20.10	499.00	21.40
	2.5			370.00	22.50	402.00	22.50	430.00	22.50	451.00	22.50	469.00	22.90	480.00	23.90	490.00	24.30	496.00	25.70
	3.0					363.00	26.80	416.00	26.90	440.00	26.80	462.00	27.10	474.00	27.60	486.00	28.60	493.00	29.90
	3.5							402.00	31.00	430.00	31.00	454.00	31.40	468.00	31.90	482.00	32.90	490.00	34.20
	4.0									420.00	35.30	447.00	35.70	463.00	36.10	479.00	37.20	487.00	38.50
940 - 46	0.5	566.00	6.24	579.00	6.24	588.00	6.24	595.00	6.24	600.00	6.24	605.00	6.62	607.00	7.06	610.00	8.10	611.00	9.42
	1.0	575.00	11.40	550.00	11.40	565.00	11.40	578.00	11.40	587.00	11.40	596.00	11.70	601.00	12.20	605.00	13.20	608.00	14.60
	1.5	488.00	16.50	523.00	16.50	544.00	16.50	562.00	16.50	575.00	16.50	587.00	16.90	594.00	17.30	601.00	18.40	605.00	19.70
	2.0			498.00	21.00	524.00	21.60	547.00	21.60	564.00	21.60	579.00	22.00	588.00	22.50	597.00	23.50	601.00	24.80
	2.5					506.00	26.80	532.00	26.90	554.00	26.80	572.00	27.10	583.00	27.60	593.00	28.60	598.00	30.00
	3.0							518.00	31.90	543.00	31.90	564.00	32.30	577.00	32.70	589.00	33.80	596.00	35.10
	3.5									533.00	37.00	557.00	37.40	571.00	37.90	585.00	38.90	593.00	40.20
	4.0									523.00	42.20	550.00	42.50	566.00	43.00	581.00	44.00	590.00	45.30
940 - 50	0.5	621.00	6.96	643.00	6.95	656.00	6.95	657.00	6.95	676.00	6.96	683.00	7.33	687.00	7.77	692.00	8.81	694.00	10.10
	1.0	556.00	12.80	696.00	12.80	619.00	12.80	640.00	12.80	655.00	12.80	669.00	13.20	677.00	13.60	684.00	14.70	688.00	16.00
	1.5	496.00	18.60	553.00	18.60	586.00	18.60	615.00	18.00	635.00	18.60	655.00	19.00	666.00	19.50	677.00	20.50	683.00	21.90
	2.0			512.00	24.50	554.00	24.50	591.00	24.50	618.00	24.50	643.00	24.90	657.00	25.30	671.00	26.30	678.00	27.70
	2.5					523.00	30.30	568.00	30.30	601.00	30.30	630.00	30.70	648.00	31.10	664.00	32.20	673.00	33.50
	3.0									585.00	36.20	619.00	36.50	639.00	37.00	658.00	38.00	668.00	39.30
	3.5									568.00	42.00	607.00	42.40	630.00	42.80	652.00	43.90	664.00	45.20
	4.0											596.00	48.20	621.00	48.70	646.00	49.70	559.00	51.00
940 - 54	0.5	739.00	7.93	761.00	7.93	774.00	7.93	785.00	7.93	794.00	7.93	801.00	8.31	805.00	8.75	810.00	9.80	812.00	11.10
	1.0	674.00	14.80	714.00	14.50	737.00	14.80	758.00	14.90	773.00	14.80	787.00	15.10	794.00	15.60	802.00	16.60	906.00	17.90
	1.5			671.00	21.60	704.00	21.60	753.00	21.60	754.00	21.60	773.00	22.00	784.00	22.40	795.00	23.40	801.00	24.80
	2.0					672.00	28.40	709.00	28.40	736.00	28.40	761.00	28.80	775.00	29.20	789.00	30.30	796.00	31.60
	2.5							686.00	35.20	719.00	35.20	748.00	35.60	766.00	36.10	782.00	37.10	791.00	38.40
	3.0									702.00	42.10	737.00	42.40	757.00	42.90	776.00	43.90	786.00	45.20
	3.5											725.00	49.30	748.00	49.70	770.00	50.70	782.00	52.10
	4.0													736.00	56.50	764.00	57.60	777.00	58.90
1300 - 38	0.5	562.00	6.58	575.00	6.58	582.00	6.58	588.00	6.58	593.00	6.58	598.00	7.12	600.00	7.66	603.00	9.17	604.00	10.90
	1.0	525.00	11.60	548.00	11.60	561.00	11.60	573.00	11.60	582.00	11.60	589.00	12.20	594.00	12.70	598.00	14.20	601.00	15.90
	1.5	490.00	16.70	523.00	16.70	542.00	16.70	556.00	16.70	571.00	16.70	582.00	17.30	588.00	17.80	594.00	19.30	598.00	21.00
	2.0	457.00	21.80	499.00	21.80	523.00	21.80	545.00	21.80	561.00	21.80	574.00	22.30	583.00	22.90	591.00	24.40	595.00	26.10
	2.5			477.00	26.90	506.00	26.80	531.00	26.90	551.00	26.80	567.00	27.40	577.00	27.90	587.00	29.40	592.00	31.10
	3.0			455.00	31.00	488.00	31.90	518.00	31.90	541.00	31.90	561.00	32.50	572.00	33.00	583.00	34.50	589.00	36.20
	3.5					472.00	37.00	506.00	37.00	532.00	37.00	554.00	37.50	567.00	38.10	580.00	39.60	587.00	41.30
	4.0							494.00	42.00	523.00	42.00	548.00	42.60	562.00	43.10	576.00	44.60	584.00	46.30

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=950r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)
1300 - 42	0.5	664.00	7.58	681.00	7.58	692.00	7.58	701.00	7.58	707.00	7.58	713.00	8.11	717.00	8.65	720.00	10.20	722.00	11.90
	1.0	613.00	13.00	645.00	13.60	663.00	13.60	679.00	13.60	691.00	13.60	702.00	14.20	708.00	14.70	714.00	16.20	717.00	17.90
	1.5	566.00	19.70	611.00	19.70	637.00	19.70	659.00	19.70	576.00	19.70	691.00	20.20	700.00	20.80	708.00	22.30	713.00	24.00
	2.0	522.00	25.80	579.00	25.80	612.00	25.90	641.00	25.80	662.00	25.80	681.00	26.30	692.00	26.80	703.00	28.30	709.00	30.00
	2.5			547.00	31.80	564.00	31.80	622.00	31.80	649.00	31.80	672.00	32.40	685.00	32.90	696.00	34.40	706.00	36.10
	3.0						37.90	605.00	37.90	636.00	37.90	662.00	38.40	678.00	39.00	696.00	40.50	702.00	42.20
	3.5							588.00	43.90	623.00	43.90	653.00	44.50	671.00	45.00	689.00	46.50	698.00	48.20
	4.0									610.00	50.00	644.00	50.50	665.00	51.10	684.00	57.60	694.00	54.30
1300 - 46	0.5	782.00	8.56	799.00	8.56	810.00	8.56	818.00	8.56	825.00	8.56	831.00	9.09	834.00	9.64	838.00	11.20	840.00	12.80
	1.0	731.00	15.60	763.00	15.60	781.00	15.60	797.00	15.00	809.00	15.00	820.00	16.10	826.00	16.70	832.00	18.20	835.00	19.90
	1.5	684.00	22.60	729.00	22.60	755.00	22.60	777.00	22.60	794.00	22.60	809.00	23.20	818.00	23.70	826.00	25.20	831.00	25.90
	2.0			696.00	29.70	729.00	29.70	758.00	29.70	780.00	29.70	799.00	30.20	810.00	30.80	821.00	32.30	827.00	34.00
	2.5					705.00	36.70	740.00	36.70	767.00	36.70	790.00	37.30	800.00	37.80	816.00	39.30	823.00	41.00
	3.0							723.00	43.85	754.00	43.80	780.00	44.30	796.00	44.90	811.00	46.40	819.00	49.10
	3.5									741.00	50.80	771.00	51.40	788.00	51.90	807.00	53.40	816.00	55.10
	4.0									728.00	57.90	762.00	58.40	782.00	58.00	802.00	60.50	812.00	62.10
1300 - 54	0.5	1023.00	10.90	1051.00	10.90	1067.00	10.90	1082.00	10.90	1092.00	10.90	1102.00	11.40	1107.00	12.00	1112.00	13.50	1115.00	15.20
	1.0	941.00	20.30	992.00	20.30	1021.00	20.30	1047.00	20.30	1067.00	20.30	1083.00	20.80	1093.00	21.30	1103.00	22.80	1108.00	24.50
	1.5			938.00	29.60	979.00	29.60	1016.00	29.60	1043.00	29.60	1067.00	30.20	1081.00	30.70	1094.00	32.20	1102.00	33.90
	2.0					939.00	39.00	985.00	36.00	1020.00	39.00	1051.00	39.50	1059.00	40.10	1086.00	41.60	1095.00	43.30
	2.5							956.00	48.40	999.00	48.40	1035.00	48.90	1057.00	49.40	1078.00	51.00	1089.00	52.60
	3.0									978.00	57.70	1020.00	58.30	1046.00	58.80	1070.00	60.30	1083.00	62.00
	3.5											1006.00	67.60	1035.00	68.20	1062.00	69.70	1078.00	71.40
	4.0													1024.00	77.50	1055.00	79.10	1072.00	80.70
1700 - 42	0.5	895.00	10.20	916.00	10.20	929.00	10.20	940.00	10.20	948.00	10.20	956.00	10.80	950.00	11.50	964.00	13.50	966.00	15.70
	1.0	832.00	18.30	871.00	18.30	894.00	18.30	914.00	18.30	929.00	18.30	942.00	18.90	949.00	19.60	957.00	21.60	961.00	23.80
	1.5	774.00	26.40	829.00	26.40	861.00	26.40	889.00	26.40	910.00	26.40	929.00	27.00	939.00	27.70	950.00	29.70	955.00	31.90
	2.0	719.00	34.50	789.00	34.50	831.00	34.50	866.00	34.50	893.00	34.50	916.00	35.10	930.00	35.80	943.00	37.80	951.00	40.00
	2.5			751.00	42.60	801.00	42.60	844.00	42.60	876.00	42.60	905.00	43.20	921.00	43.90	937.00	45.90	946.00	48.10
	3.0					772.00	50.70	822.00	50.70	850.00	50.70	893.00	51.30	912.00	52.00	931.00	54.00	941.00	56.20
	3.5							801.00	58.80	844.00	58.80	882.00	59.40	904.00	60.10	925.00	62.10	937.00	64.40
	4.0									829.00	66.90	871.00	67.50	896.00	68.20	920.00	70.20	933.00	72.50
1700 - 46	0.5	1049.00	11.40	1070.00	11.40	1083.00	11.40	1094.00	11.40	1102.00	11.40	1109.00	12.10	1114.00	12.70	1118.00	14.80	1120.00	17.00
	1.0	986.00	20.80	1025.00	20.80	1048.00	20.80	1069.00	20.80	1083.00	20.80	1095.00	21.50	1103.00	22.10	1110.00	24.10	1114.00	26.40
	1.5	958.00	30.20	983.00	30.20	1015.00	30.20	1043.00	30.20	1064.00	30.20	1083.00	30.90	1093.00	31.50	1104.00	33.50	1109.00	35.80
	2.0			943.00	39.60	984.00	39.60	1020.00	39.60	1047.00	39.60	1070.00	40.30	1084.00	40.90	1097.00	42.90	1105.00	45.20
	2.5					955.00	49.00	998.00	49.00	1030.00	49.00	1058.00	49.60	1075.00	50.30	1091.00	52.30	1100.00	54.60
	3.0							976.00	38.40	1014.00	58.40	1047.00	59.00	1066.00	59.70	1085.00	61.70	1095.00	63.90
	3.5									998.00	67.80	1036.00	68.40	1058.00	68.10	1079.00	71.10	1091.00	73.30
	4.0									963.00	77.20	1025.00	77.80	1050.00	78.50	1074.00	80.50	1087.00	82.70

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=950r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm²/s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)
2200 - 42	0.5	1171.00	13.30	1198.00	13.30	1213.00	13.30	1226.00	13.30	1236.00	13.30	1245.00	14.00	1250.00	14.80	1255.00	17.20	1257.00	20.00
	1.0	1096.00	23.80	1143.00	23.80	1170.00	23.80	1194.00	233.80	1212.00	23.80	1228.00	24.60	1237.00	25.40	1246.00	27.70	1251.00	30.60
	1.5	1026.00	34.40	1092.00	34.40	1131.00	34.40	1165.00	34.40	1190.00	34.40	1212.00	35.10	1225.00	35.90	1238.00	38.30	1245.00	41.10
	2.0	959.00	44.90	1044.00	44.90	1093.00	44.90	1137.00	44.90	1169.00	44.90	1197.00	45.70	1214.00	46.50	1230.00	49.80	1239.00	51.70
	2.5			998.00	55.50	1057.00	55.50	1110.00	55.50	1149.00	55.50	1183.00	56.20	1203.00	57.00	1223.00	59.40	1233.00	62.20
	3.0					1023.00	66.00	1084.00	66.00	1129.00	66.00	1169.00	66.80	1193.00	67.60	1215.00	69.90	1228.00	72.80
	3.5							1058.00	76.60	1110.00	76.60	1156.00	77.30	1183.00	78.10	1208.00	80.50	1222.00	83.90
4.0									1092.00	87.10	1143.00	87.90	1173.00	88.70	1201.00	91.00	1217.00	93.90	
2200 - 46	0.5	1367.00	14.90	1393.00	14.90	1408.00	14.90	1421.00	14.90	1431.00	14.90	1440.00	15.70	1445.00	16.40	1450.00	18.80	1453.00	21.70
	1.0	1291.00	27.10	1338.00	27.10	1365.00	27.10	1389.00	27.10	1407.00	27.10	1423.00	27.80	1432.00	28.60	1441.00	31.00	1446.00	33.80
	1.5	1221.00	39.20	1287.00	39.20	1326.00	39.20	1360.00	39.20	1385.00	39.20	1408.00	40.00	1421.00	40.80	1433.00	43.20	1440.00	46.00
	2.0			1239.00	51.40	1289.00	51.40	1332.00	51.40	1364.00	51.40	1393.00	52.20	1409.00	53.00	1425.00	55.40	1434.00	58.20
	2.5					1253.00	63.60	1305.00	63.60	1344.00	63.60	1378.00	64.40	1398.00	65.10	1418.00	67.50	1428.00	70.40
	3.0							1279.00	75.80	1325.00	75.80	1365.00	76.60	1389.00	77.30	1411.00	79.90	1423.00	82.50
	3.5									1306.00	87.90	1351.00	88.70	1378.00	89.50	1404.00	91.90	1418.00	94.70
4.0									1287.00	100.00	1338.00	101.00	1368.00	102.00	1397.00	104.00	1412.00	107.00	
2900 - 40	0.5	1742.00	19.70	1778.00	19.70	1799.00	19.70	1818.00	19.70	1832.00	19.70	1844.00	20.80	1851.00	22.10	1859.00	26.00	1862.00	29.80
	1.0	1636.00	35.30	1702.00	35.30	1740.00	35.30	1774.00	35.30	1799.00	35.30	1821.00	36.40	1834.00	37.70	1847.00	41.70	1853.00	45.40
	1.5	1538.00	51.00	1631.00	51.00	1685.00	51.00	1733.00	51.00	1768.00	51.00	1799.00	52.00	1817.00	53.30	1835.00	57.30	1844.00	61.10
	2.0			1564.00	66.60	1632.00	66.60	1694.00	66.60	1739.00	66.60	1778.00	67.70	1801.00	68.90	1825.00	72.90	1836.00	75.70
	2.5					1582.00	82.20	1656.00	82.20	1710.00	82.20	1758.00	83.30	1785.00	84.60	1815.00	88.50	1828.00	92.30
	3.0							1619.00	97.80	1683.00	97.80	1729.00	98.90	1772.00	100.00	1805.00	104.00	1820.00	108.00
	3.5									1656.00	113.00	1720.00	114.00	1757.00	116.00	1795.00	120.00	1813.00	124.00
4.0									1630.00	129.00	1702.00	130.00	1743.00	131.00	1785.00	135.00	1805.00	139.00	
3600 - 46	0.5	2200.00	23.50	2237.00	23.50	2258.00	23.50	2277.00	23.50	2291.00	23.50	2303.00	24.60	2310.00	25.90	2317.00	29.90	2321.00	33.60
	1.0	2094.00	43.00	2160.00	43.00	2198.00	43.00	2232.00	43.00	2257.00	43.00	2279.00	44.10	2292.00	45.40	2305.00	49.30	2311.00	53.10
	1.5			2090.00	62.40	2143.00	62.40	2191.00	62.40	2227.00	62.40	2258.00	63.50	2276.00	64.80	2293.00	65.00	2303.00	72.50
	2.0					2091.00	81.90	2152.00	81.90	2197.00	81.90	2237.00	82.90	2260.00	84.20	2282.00	88.20	2295.00	92.00
	2.5							2115.00	101.00	2169.00	101.00	2217.00	102.00	2245.00	104.00	2272.00	108.00	2287.00	111.00
	3.0									2142.00	121.00	2198.00	122.00	2230.00	123.00	2262.00	127.00	2279.00	131.00
	3.5											2179.00	141.00	2216.00	143.00	2252.00	146.00	2272.00	150.00
4.0													2202.00	162.00	2242.00	166.00	2264.00	170.00	
5300 - 46	0.5	3325.00	36.80	3374.00	36.80	3403.00	36.80	3428.00	36.80	3446.00	36.80	3463.00	39.00	3472.00	41.20	3481.00	48.80	3486.00	56.00
	1.0	3184.00	66.00	3272.00	66.00	3323.00	66.00	3368.00	66.00	3402.00	66.00	3431.00	68.20	3448.00	70.40	3465.00	77.80	3474.00	85.20
	1.5			3177.00	95.10	3249.00	95.10	3313.00	95.10	3361.00	95.10	3402.00	97.30	3426.00	100.00	3450.00	107.00	3462.00	114.00
	2.0					31179.00	124.00	3260.00	124.00	3322.00	124.00	3374.00	127.00	3405.00	129.00	3435.00	136.00	3451.00	144.00
	2.5							3210.00	154.00	3284.00	154.00	3347.00	156.00	3385.00	158.00	3421.00	165.00	3441.00	173.00
	3.0									3247.00	183.00	3321.00	185.00	3365.00	187.00	3408.00	196.00	3430.00	202.00
	3.5											3296.00	214.00	3346.00	216.00	3394.00	224.00	3420.00	231.00
4.0													3327.00	245.00	3381.00	253.00	3411.00	290.00	

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=1450r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)
40 - 38	0.5	27.6	0.412	28.7	0.412	29.3	0.412	29.9	0.412	30.3	0.412	30.6	0.482	30.8	0.582	31.1	0.702	31.2	0.922
	1.0	24.5	0.675	26.5	0.675	27.6	0.675	28.6	0.675	29.3	0.675	29.9	0.745	30.3	0.845	30.7	0.965	30.9	1.19
	1.5	21.6	0.937	24.2	0.937	26.0	0.937	27.4	0.937	28.4	0.937	29.2	1.01	29.8	1.11	30.4	1.23	30.7	1.45
	2.0	18.9	1.2	22.5	1.2	24.5	1.2	26.3	1.2	27.5	1.2	28.6	1.27	29.3	1.37	30.1	1.49	30.4	1.71
	2.5	16.2	1.5	20.6	1.46	23.0	1.46	25.2	1.46	26.7	1.46	28.0	1.53	28.9	1.63	29.8	1.75	30.2	1.97
	3.0	13.7	1.7	18.8	1.72	21.6	1.72	24.1	1.72	25.9	1.72	27.4	1.79	28.4	1.89	29.5	2.01	30.0	2.23
	3.5			17.0	1.99	20.2	1.99	23.1	1.99	25.1	1.99	26.9	2.06	28.0	2.16	29.2	2.28	29.8	2.50
	4.0			15.3	2.25	18.8	2.25	22.1	2.25	24.4	2.25	26.3	2.32	27.6	2.42	28.9	2.54	29.6	2.76
40 - 46	0.5	36.70	0.50	38.20	0.50	39.00	0.50	39.80	0.50	40.30	0.50	40.80	0.57	41.10	0.67	41.40	0.79	41.60	1.01
	1.0	32.50	0.85	35.10	0.85	36.60	0.85	38.00	0.85	39.00	0.85	39.90	0.92	40.40	1.02	40.90	1.14	41.20	1.36
	1.5	28.60	1.20	32.30	1.20	34.40	1.20	36.40	1.20	37.80	1.20	39.00	1.27	39.70	1.37	40.40	1.49	40.90	1.71
	2.0	24.90	1.55	29.60	1.55	32.30	1.55	34.80	1.55	36.60	1.55	38.20	1.62	39.10	1.72	40.40	1.84	40.60	2.06
	2.5	21.30	1.90	27.00	1.90	30.20	1.90	33.30	1.90	35.50	1.90	37.40	1.97	38.50	2.07	39.60	2.19	40.30	2.41
	3.0			24.40	2.25	28.30	2.25	31.80	2.25	34.40	2.25	36.70	2.32	37.90	2.42	39.20	2.54	40.00	2.76
	3.5					26.30	2.60	30.40	2.60	33.30	2.60	35.90	2.67	37.40	2.77	38.80	2.89	39.70	3.11
	4.0							29.00	2.95	32.30	2.95	35.20	3.02	36.80	3.12	38.40	3.24	39.40	3.46
40 - 54	0.5	48.00	0.62	50.30	0.62	51.60	0.62	52.80	0.62	53.70	0.62	54.50	0.69	55.00	0.79	55.40	0.91	55.70	1.13
	1.0	42.20	1.09	45.40	1.09	47.80	1.09	50.00	1.09	51.60	1.09	53.00	1.16	53.80	1.26	54.60	1.38	55.10	1.60
	1.5	34.90	1.56	40.90	1.56	44.30	1.56	47.40	1.56	49.60	1.56	51.60	1.63	52.70	1.73	53.90	1.85	54.60	2.07
	2.0			36.60	2.03	40.90	2.03	44.90	2.03	47.70	2.03	50.30	2.10	51.70	2.20	53.20	2.32	54.10	2.54
	2.5					37.70	2.50	42.50	2.50	45.90	2.50	49.00	2.57	50.70	2.67	52.50	2.79	53.60	3.01
	3.0							40.10	2.97	44.20	2.97	47.70	3.04	49.80	3.14	51.80	3.26	53.10	3.48
	3.5							37.80	3.44	42.50	3.44	46.50	3.51	48.90	3.61	51.20	3.73	52.60	3.95
	4.0									40.80	3.91	45.40	3.98	48.00	4.08	50.60	4.20	52.20	4.42
80 - 36	0.5	51.20	0.69	53.00	0.69	53.90	0.69	54.80	0.70	55.50	0.69	56.10	0.78	56.40	0.91	56.80	1.08	56.90	1.36
	1.0	46.20	1.17	49.30	1.17	51.10	1.17	52.70	1.17	53.90	1.17	55.00	1.26	55.60	1.39	56.20	1.56	56.50	1.84
	1.5	41.60	1.65	45.90	1.65	48.50	1.65	50.70	1.65	52.40	1.65	54.00	1.74	54.80	1.87	55.70	2.04	56.10	2.32
	2.0	37.10	2.13	42.70	2.13	46.00	2.13	48.80	2.13	51.00	2.13	53.00	2.22	54.10	2.35	55.20	2.52	55.70	2.80
	2.5	32.90	2.61	39.60	2.61	43.60	2.61	47.00	2.61	49.70	2.61	52.10	2.70	53.40	2.85	54.70	3.00	55.30	3.28
	3.0	28.80	3.09	36.60	3.09	41.20	3.09	45.30	3.09	48.30	3.09	51.10	3.18	52.70	3.31	54.20	3.48	55.00	3.76
	3.5	24.70	3.56	33.70	3.56	38.90	3.56	43.60	3.56	47.10	3.56	50.20	3.65	52.00	3.78	53.70	3.95	54.60	4.23
	4.0			30.90	4.04	36.70	4.04	41.90	4.04	45.80	4.04	49.40	4.13	51.30	4.26	53.30	4.43	54.30	4.71
80 - 42	0.5	61.40	0.793	63.800	0.793	66.200	0.793	66.400	0.793	67.300	0.793	68.100	0.883	68.60	1.01	69.00	1.18	69.20	1.46
	1.0	54.50	1.38	58.80	1.38	61.30	1.38	63.50	1.38	65.10	1.38	66.50	1.47	67.40	1.60	68.20	1.77	68.60	2.05
	1.5	48.10	1.96	54.20	1.96	57.70	1.96	60.80	1.96	63.10	1.96	65.10	2.05	66.30	2.18	67.50	2.35	68.00	2.63
	2.0	42.10	2.54	49.80	2.54	54.30	2.54	58.30	2.54	61.20	2.54	63.70	2.63	65.30	2.75	66.80	2.93	67.50	3.21
	2.5	36.20	3.13	45.60	3.13	51.00	3.13	56.80	3.13	59.30	3.13	62.40	3.22	64.30	3.35	66.10	3.52	66.90	3.80
	3.0			41.50	3.71	47.90	3.71	53.50	3.71	57.50	3.71	61.10	3.90	63.40	3.93	65.40	4.10	66.40	4.38
	3.5			37.50	4.29	44.80	4.29	51.10	4.29	56.60	4.29	59.80	4.38	62.50	4.51	64.80	4.68	65.90	4.96
	4.0					41.70	4.88	48.90	4.88	54.10	4.88	58.60	4.97	61.60	5.10	64.20	5.27	65.50	5.55
80 - 46	0.5	73.40	0.893	75.80	0.893	77.20	0.893	78.40	0.890	79.30	0.893	80.10	0.983	80.60	1.11	81.00	1.28	81.20	1.56
	1.0	66.50	1.58	70.80	1.58	73.30	1.58	75.50	1.58	77.10	1.58	78.50	1.67	79.40	1.90	80.20	1.97	80.60	2.25
	1.5	60.10	2.26	66.20	2.26	69.70	2.25	72.80	2.26	75.10	2.26	77.10	2.35	78.30	2.48	79.50	2.65	80.00	2.93
	2.0	54.10	2.94	61.80	2.94	66.30	2.94	70.30	2.94	73.20	2.94	76.70	3.03	77.30	3.16	78.80	3.33	79.50	3.61
	2.5	48.20	3.63	57.60	3.63	63.00	3.63	67.80	3.63	71.30	3.63	74.40	3.72	76.30	3.85	78.10	4.02	78.60	4.30
	3.0			53.50	4.31	59.90	4.31	65.50	4.31	69.50	4.31	73.10	4.40	75.40	4.53	77.40	4.70	78.40	4.98
	3.5					56.80	4.99	63.10	4.99	67.80	4.99	71.80	5.08	74.50	5.21	76.80	5.38	77.90	5.65
	4.0							60.90	5.69	66.10	5.68	70.60	5.77	73.60	5.90	76.20	6.07	77.50	6.35

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=1450r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm²/s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m³/h)	Shaft Power (kW)	Capacity (m³/h)	Shaft Power (kW)	Capacity (m³/h)	Shaft Power (kW)	Capacity (m³/h)	Shaft Power (kW)	Capacity (m³/h)	Shaft Power (kW)	Capacity (m³/h)	Shaft Power (kW)	Capacity (m³/h)	Shaft Power (kW)	Capacity (m³/h)	Shaft Power (kW)	Capacity (m³/h)	Shaft Power (kW)
80 - 54	0.5	94.20	1.11	98.10	1.11	100.00	1.11	102.00	1.11	104.00	1.11	105.00	1.20	106.00	1.33	106.00	1.50	107.00	1.78
	1.0	83.20	2.01	90.10	2.01	94.10	2.01	97.60	2.01	100.00	2.01	103.00	2.10	104.00	2.23	105.00	2.40	106.00	2.68
	1.5	73.00	2.91	82.70	2.91	88.40	2.91	93.30	2.91	97.00	2.91	100.00	3.00	102.00	3.13	104.00	3.30	105.00	3.58
	2.0			75.70	3.81	82.90	3.81	89.30	3.81	93.90	3.81	98.10	3.90	100.00	4.03	103.00	4.20	104.00	4.48
	2.5					77.70	4.71	85.30	4.71	91.00	4.71	96.00	4.80	98.80	4.93	102.00	5.10	103.00	5.38
	3.0							81.50	5.61	88.20	5.61	94.00	5.70	97.30	5.83	101.00	6.00	102.00	6.28
	3.5							77.80	6.51	85.40	6.51	92.00	6.60	95.80	6.73	100.00	6.90	102.00	7.18
4.0									82.70	7.41	90.10	7.50	94.40	7.63	98.60	7.80	101.00	8.08	
120 - 42	0.5	88.90	1.19	92.00	1.19	93.70	1.19	95.30	1.19	96.50	1.19	97.50	1.32	98.10	1.51	98.70	1.79	99.00	2.27
	1.0	80.00	2.03	85.50	2.03	88.70	2.03	91.60	2.03	93.70	2.03	95.50	2.16	96.60	2.35	97.70	2.63	98.20	3.11
	1.5	71.80	2.86	79.50	2.86	84.10	2.86	88.10	2.86	91.10	2.85	93.60	2.99	95.20	3.18	96.80	3.46	97.50	3.94
	2.0	63.90	3.68	73.90	3.69	79.60	3.69	84.90	3.69	88.60	3.69	91.90	3.82	93.60	4.01	95.90	4.29	96.80	4.77
	2.5	56.40	4.53	68.40	4.53	75.40	4.53	81.70	4.53	86.30	4.53	90.20	4.66	92.80	4.85	95.00	5.13	96.10	5.61
	3.0			63.10	5.36	71.30	5.36	78.60	5.36	84.00	5.36	88.60	5.49	91.30	5.68	94.10	5.96	95.40	6.44
	3.5			57.90	6.19	67.20	6.19	75.60	6.19	81.70	6.19	86.90	6.32	90.10	6.51	93.30	6.79	94.80	7.24
4.0					63.30	7.03	72.70	7.03	79.50	7.03	85.40	7.16	89.00	7.35	92.50	7.63	94.20	8.11	
120 - 46	0.5	107.00	1.34	110.00	1.34	112.00	1.34	113.00	1.34	115.00	1.34	116.00	1.47	116.00	1.66	117.00	1.94	117.00	2.42
	1.0	98.00	2.33	104.00	2.33	107.00	2.33	110.00	2.33	112.00	2.33	114.00	2.46	115.00	2.65	116.00	2.93	116.00	3.41
	1.5	89.80	3.31	97.50	3.31	102.00	3.31	106.00	3.31	109.00	3.31	112.00	3.44	113.00	3.63	115.00	3.91	115.00	4.39
	2.0	81.90	4.29	81.90	4.29	97.60	4.29	103.00	4.29	107.00	4.29	110.00	4.42	112.00	4.61	114.00	4.89	115.00	5.37
	2.5	74.40	5.28	86.40	5.28	93.40	5.28	100.00	5.28	104.00	5.28	108.00	5.41	111.00	5.60	113.00	5.88	114.00	6.36
	3.0			81.10	6.26	89.30	6.26	96.60	6.26	102.00	6.26	107.00	6.39	109.00	6.58	112.00	6.86	113.00	7.34
	3.5					85.20	7.24	93.60	7.24	100.00	7.24	105.00	7.37	108.00	7.56	111.00	7.84	113.00	8.32
4.0							90.70	8.23	97.50	8.23	103.00	8.36	107.00	8.55	111.00	8.83	112.00	9.31	
120 - 54	0.5	139.00	1.67	144.00	1.67	147.00	1.67	150.00	1.67	151.00	1.67	153.00	1.80	154.00	1.99	155.00	2.27	155.00	2.75
	1.0	125.00	2.98	134.00	2.98	139.00	2.98	144.00	2.98	147.00	2.98	150.00	3.11	152.00	3.30	153.00	3.85	154.00	4.06
	1.5	112.00	4.29	124.00	4.29	132.00	4.29	138.00	4.29	143.00	4.29	147.00	4.42	149.00	4.61	152.00	4.89	153.00	5.37
	2.0			115.00	5.59	125.00	5.59	133.00	5.59	139.00	5.59	144.00	5.72	147.00	5.91	150.00	6.19	152.00	6.67
	2.5					118.00	6.90	128.00	6.90	135.00	6.90	142.00	7.03	145.00	7.22	149.00	7.50	151.00	7.98
	3.0							123.00	8.21	131.00	8.21	139.00	8.34	143.00	8.53	148.00	8.81	150.00	9.29
	3.5							118.00	9.52	128.00	9.52	136.00	9.65	141.00	9.84	146.00	10.10	149.00	10.60
4.0									124.00	10.80	134.00	11.00	139.00	11.10	145.00	11.40	148.00	11.90	
210 - 40	0.5	154.0	1.95	158.0	1.95	160.0	1.95	162.0	1.95	163.0	1.95	164.0	2.13	165.0	2.42	166.0	2.90	166.0	3.63
	1.0	144.0	3.34	151.0	3.34	154.0	3.34	157.0	3.34	160.0	3.34	162.0	3.52	163.0	3.81	164.0	4.29	165.0	5.02
	1.5	135.0	4.74	144.0	4.74	149.0	4.74	153.0	4.74	157.0	4.74	160.0	4.92	162.0	5.21	163.0	5.69	164.0	6.42
	2.0	126.0	6.13	137.0	6.13	144.0	6.13	150.0	6.13	154.0	6.13	158.0	6.31	160.0	6.60	162.0	7.08	163.0	7.81
	2.5	118.0	7.52	131.0	7.52	139.0	7.52	146.0	7.52	151.0	7.52	156.0	7.70	159.0	7.99	161.0	8.47	163.0	9.20
	3.0	109.0	8.91	125.0	8.91	134.0	8.91	143.0	8.91	149.0	8.91	154.0	9.09	157.0	9.38	160.0	9.86	162.0	10.60
	3.5			119.0	10.30	130.0	10.30	139.0	10.30	146.0	10.30	152.0	10.50	156.0	10.80	159.0	11.30	161.0	12.00
4.0					125.0	11.70	136.0	11.70	144.0	11.70	150.0	11.90	155.0	12.20	159.0	12.80	161.0	13.40	
210 - 46	0.5	193.0	2.31	198.0	2.31	200.0	2.31	203.0	2.31	205.0	2.31	206.0	2.49	207.0	2.78	208.0	3.26	209.0	3.99
	1.0	179.0	4.06	188.0	4.06	193.0	4.06	197.0	4.06	200.0	4.06	203.0	4.74	205.0	4.53	206.0	5.01	207.0	5.74
	1.5	166.0	5.81	178.0	5.81	185.0	5.81	192.0	5.81	196.0	5.81	200.0	5.99	203.0	5.28	205.0	6.76	206.0	7.49
	2.0	154.0	7.56	170.0	7.56	179.0	7.56	186.0	7.56	192.0	7.56	198.0	7.74	201.0	8.03	204.0	8.51	205.0	9.24
	2.5	142.0	9.31	161.0	9.31	172.0	9.31	181.0	9.31	189.0	9.31	195.0	9.49	199.0	9.78	202.0	10.30	204.0	11.00
	3.0			153.0	11.10	166.0	11.10	177.0	11.10	185.0	11.10	192.0	11.20	197.0	11.50	201.0	12.00	203.0	12.70
	3.5					150.0	12.80	172.0	12.80	182.0	12.80	190.0	13.00	195.0	13.30	200.0	13.80	202.0	14.50
4.0							167.0	14.60	178.0	14.60	188.0	14.70	193.0	15.00	198.0	15.50	201.0	16.20	

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=1450r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)
210 - 54	0.5	252.0	2.89	260.0	2.89	265.0	2.89	268.0	2.89	271.0	2.89	274.0	3.07	275.0	3.60	277.0	3.84	278.0	4.57
	1.0	230.0	5.23	244.0	5.23	252.0	5.23	259.0	5.23	264.0	5.23	269.0	5.41	272.0	5.70	272.0	6.18	276.0	6.91
	1.5	210.0	7.56	229.0	7.56	241.0	7.56	250.0	7.56	258.0	7.56	264.0	7.74	268.0	8.03	274.0	8.50	274.0	9.24
	2.0			215.0				230.0	9.89	242.0	9.89	252.0	10.10	260.0	10.40	270.0	10.80	272.0	11.60
	2.5					219.0	12.20	234.0	12.20	246.0	12.20	256.0	12.40	262.0	12.70	267.0	13.20	270.0	13.90
	3.0							227.0	14.60	240.0	14.60	252.0	14.70	259.0	15.00	265.0	15.50	269.0	16.20
	3.5							219.0	16.90	234.0	16.90	248.0	17.10	256.0	17.40	263.0	17.90	267.0	18.60
	4.0									229.0	19.20	244.0	19.40	253.0	19.70	261.0	20.20	266.0	20.90
280 - 43	0.5	226.0	2.91	232.0	2.91	235.0	2.91	238.0	2.91	240.0	2.91	242.0	3.20	244.0	3.61	245.0	4.38	245.0	5.45
	1.0	210.0	4.97	220.0	4.97	226.0	4.97	231.0	4.97	235.0	4.97	239.0	5.26	241.0	5.67	243.0	6.44	244.0	7.51
	1.5	194.0	7.03	209.0	7.03	217.0	7.03	225.0	7.03	230.0	7.03	235.0	7.32	238.0	7.73	241.0	8.50	242.0	9.57
	2.0	179.0	9.08	198.0	9.08	209.0	9.08	219.0	9.08	226.0	9.08	232.0	9.37	236.0	9.78	239.0	10.50	241.0	11.60
	2.5	165.0	11.10	188.0	11.10	201.0	11.10	213.0	11.10	221.0	11.10	229.0	11.40	233.0	11.80	237.0	12.60	240.0	13.70
	3.0			178.0	13.20	193.0	13.20	207.0	13.20	217.0	13.20	226.0	13.50	231.0	13.90	236.0	14.70	239.0	15.70
	3.5			168.0	15.30	186.0	15.30	201.0	15.30	213.0	15.30	223.0	15.50	229.0	16.00	234.0	16.70	237.0	17.80
	4.0					178.0	17.30	195.0	17.30	209.0	17.30	220.0	17.60	227.0	18.00	233.0	18.80	236.0	19.90
280 - 46	0.5	259.0	3.18	2.7	3.18	268.0	3.18	271.0	3.18	273.0	3.18	275.0	3.47	277.0	3.88	278.0	4.65	278.0	5.72
	1.0	243.0	5.52	253.0	5.52	259.0	5.52	264.0	5.52	268.0	5.52	272.0	5.81	274.0	6.22	276.0	6.99	277.0	8.06
	1.5	227.0	7.85	242.0	7.85	250.0	7.85	258.0	7.85	263.0	7.85	268.0	8.14	271.0	8.55	274.0	9.32	275.0	10.40
	2.0	212.0	10.20	231.0	10.20	242.0	10.20	252.0	10.20	259.0	10.20	265.0	10.50	269.0	10.90	272.0	11.70	274.0	12.70
	2.5	198.0	12.50	221.0	12.50	234.0	12.50	246.0	12.50	254.0	12.50	262.0	12.80	266.0	13.20	270.0	14.00	273.0	15.10
	3.0			211.0	14.90	226.0	14.90	240.0	14.90	250.0	14.90	259.0	15.10	264.0	15.60	269.0	16.30	272.0	17.40
	3.5					219.0	17.20	234.0	17.20	246.0	17.20	255.0	17.50	262.0	17.90	267.0	18.70	270.0	19.70
	4.0							229.0	19.50	242.0	19.50	253.0	19.80	260.0	20.20	266.0	21.00	269.0	22.10
280 - 54	0.5	340.0	3.96	349.0	3.96	354.0	3.96	359.0	3.96	363.0	3.96	366.0	4.25	367.0	4.66	369.0	5.43	370.0	6.50
	1.0	313.0	7.07	330.0	7.07	339.0	7.07	348.0	7.07	354.0	7.07	360.0	7.36	363.0	7.77	366.0	8.54	368.0	9.61
	1.5	288.0	10.20	312.0	10.20	325.0	10.20	337.0	10.20	346.0	10.20	354.0	10.50	359.0	10.90	363.0	11.60	366.0	12.70
	2.0			295.0	13.30	312.0	13.30	327.0	13.30	339.0	13.30	349.0	13.60	355.0	14.00	360.0	14.80	363.0	15.90
	2.5					300.0	16.40	318.0	16.40	332.0	16.40	344.0	16.70	351.0	17.10	358.0	17.90	361.0	18.90
	3.0							309.0	19.50	325.0	19.50	339.0	19.80	347.0	20.20	355.0	21.00	360.0	22.00
	3.5							300.0	22.60	318.0	22.60	334.0	22.90	344.0	23.30	353.0	24.10	358.0	25.10
	4.0									312.0	25.70	329.0	26.00	340.0	26.40	350.0	27.20	356.0	28.30
440 - 40	0.5	325.0	4.13	331.0	4.13	334.0	4.13	337.0	4.13	339.0	4.13	341.0	4.57	342.0	5.12	344.0	6.27	344.0	7.68
	1.0	308.0	7.02	318.0	7.02	324.0	7.02	330.0	7.02	334.0	7.02	337.0	7.46	340.0	8.01	342.0	9.16	343.0	10.80
	1.5	292.0	9.90	307.0	9.90	316.0	9.90	323.0	9.90	329.0	9.90	334.0	10.30	337.0	10.90	340.0	12.00	341.0	13.70
	2.0	277.0	12.80	296.0	12.80	307.0	12.80	317.0	12.80	324.0	12.80	330.0	13.20	334.0	13.80	338.0	14.90	340.0	16.50
	2.5	262.0	15.70	286.0	15.70	299.0	15.70	311.0	15.70	320.0	15.70	327.0	16.10	332.0	16.70	336.0	17.80	339.0	19.40
	3.0	248.0	18.60	270.0	18.60	291.0	18.60	305.0	18.00	315.0	18.00	324.0	19.00	329.0	19.50	335.0	20.70	337.0	22.30
	3.5			266.0	21.40	283.0	21.40	299.0	21.40	311.0	21.40	321.0	21.90	327.0	22.40	333.0	23.60	336.0	25.20
	4.0					276.0	24.30	293.0	24.30	307.0	24.30	318.0	24.80	325.0	25.30	331.0	26.50	335.0	28.10
440 - 46	0.5	413.0	4.93	421.0	4.93	426.0	4.93	430.0	4.93	433.0	4.93	436.0	5.37	437.0	5.92	439.0	7.07	439.0	8.68
	1.0	390.0	8.62	404.0	8.62	413.0	8.62	420.0	8.62	425.0	8.62	430.0	9.06	433.0	9.61	436.0	10.80	437.0	12.40
	1.5	368.0	12.30	389.0	12.30	400.0	12.30	411.0	12.30	419.0	12.30	425.0	12.70	429.0	13.30	433.0	14.40	436.0	16.10
	2.0	347.0	16.00	374.0	16.00	389.0	16.00	402.0	16.00	412.0	16.00	421.0	16.40	426.0	17.00	431.0	18.10	434.0	19.70
	2.5	328.0	19.70	359.0	19.70	378.0	19.70	394.0	19.70	406.0	19.70	417.0	20.10	423.0	20.70	429.0	21.80	432.0	23.40
	3.0			346.0	23.40	367.0	23.40	386.0	23.40	400.0	23.40	412.0	23.80	419.0	24.30	426.0	25.50	430.0	27.10
	3.5					356.0	27.00	378.0	27.00	394.0	27.00	408.0	27.50	416.0	28.00	424.0	29.20	429.0	30.80
	4.0							370.0	30.70	388.0	30.70	404.0	31.20	413.0	31.70	422.0	32.90	427.0	34.50

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=1450r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)
440 - 52	0.5	473.0	5.58	486.0	5.58	494.0	5.58	500.0	5.58	505.0	5.58	510.0	6.02	512.0	6.57	515.0	7.72	516.0	9.33
	1.0	436.0	9.92	459.0	9.92	473.0	9.92	485.0	9.92	494.0	9.92	501.0	10.40	506.0	10.90	510.0	12.10	513.0	13.70
	1.5	402.0	14.30	434.0	14.30	453.0	14.30	470.0	14.30	483.0	14.30	494.0	14.70	500.0	15.20	506.0	16.40	510.0	18.00
	2.0	369.0	18.60	411.0	18.60	435.0	18.60	456.0	18.60	472.0	18.60	486.0	19.00	494.0	19.60	502.0	20.70	507.0	22.30
	2.5			388.0	22.90	417.0	22.90	443.0	22.90	462.0	22.90	479.0	23.40	489.0	23.90	499.0	25.10	504.0	26.70
	3.0					400.0	27.30	430.0	27.30	453.0	27.30	472.0	27.70	484.0	28.20	495.0	29.40	501.0	31.00
	3.5							417.0	31.60	443.0	31.60	466.0	32.00	479.0	32.60	492.0	33.70	499.0	35.30
	4.0									434.0	35.90	459.0	36.40	474.0	36.90	488.0	38.10	496.0	39.70
440 - 54	0.5	53.0	6.08	546.0	6.08	554.0	6.08	560.0	6.08	565.0	6.08	570.0	6.52	572.0	7.07	575.0	8.22	576.0	9.83
	1.0	496.0	10.90	519.0	10.90	533.0	10.90	545.0	10.90	554.0	10.90	561.0	11.40	566.0	11.90	570.0	13.10	573.0	14.70
	1.5	462.0	15.80	494.0	15.80	513.0	15.90	530.0	15.90	543.0	15.90	554.0	16.20	560.0	16.70	566.0	17.90	570.0	19.50
	2.0			471.0	20.60	495.0	20.60	516.0	20.60	532.0	20.60	546.0	21.00	554.0	21.60	562.0	22.70	567.0	24.30
	2.5					477.0	25.40	503.0	25.40	522.0	25.40	539.0	25.90	549.0	26.40	559.0	27.60	564.0	29.20
	3.0							490.0	30.30	513.0	30.30	532.0	30.70	544.0	31.20	555.0	32.40	561.0	34.00
	3.5							477.0	35.10	503.0	35.10	526.0	35.50	539.0	36.10	552.0	37.20	559.0	38.80
	4.0									494.0	39.90	519.0	40.40	534.0	40.90	548.0	42.10	556.0	43.70
660 - 40	0.5	510.0	6.28	517.0	6.28	522.0	6.28	526.0	6.28	529.0	6.28	532.0	6.91	533.0	7.68	535.0	9.41	536.0	11.70
	1.0	487.0	10.80	501.0	10.80	509.0	10.80	516.0	10.80	522.0	10.80	527.0	11.40	529.0	12.20	532.0	13.90	534.0	16.20
	1.5	466.0	15.30	486.0	15.30	497.0	15.30	508.0	15.30	515.0	15.30	522.0	15.90	526.0	16.70	530.0	18.40	532.0	20.70
	2.0	446.0	19.70	471.0	19.70	486.0	19.70	499.0	19.70	509.0	19.70	517.0	20.40	522.0	21.10	527.0	22.90	530.0	25.10
	2.5	426.0	24.20	457.0	24.20	475.0	24.20	491.0	24.20	503.0	24.20	513.0	24.80	519.0	25.60	525.0	27.30	528.0	29.60
	3.0			444.0	28.70	464.0	28.70	483.0	28.70	497.0	28.70	509.0	29.30	516.0	30.10	523.0	31.80	527.0	34.10
	3.5			430.0	32.20	454.0	32.20	475.0	32.20	491.0	32.20	505.0	33.80	513.0	34.60	521.0	36.30	525.0	38.60
	4.0					444.0	37.70	468.0	37.70	485.0	37.70	501.0	38.30	510.0	39.10	519.0	40.80	523.0	43.10
660 - 44	0.5	571.0	6.88	582.0	6.88	588.0	6.88	594.0	6.88	598.0	6.88	601.0	7.51	603.0	8.28	605.0	10.00	607.0	12.30
	1.0	540.0	12.00	559.0	12.00	570.0	12.00	580.0	12.00	588.0	12.00	594.0	12.60	598.0	13.40	602.0	15.10	604.0	17.40
	1.5	511.0	17.10	538.0	17.10	554.0	17.10	568.0	17.10	579.0	17.10	588.0	17.70	593.0	18.50	598.0	20.20	601.0	22.50
	2.0	483.0	22.10	519.0	22.10	539.0	22.10	557.0	22.10	570.0	22.10	582.0	22.80	589.0	23.50	595.0	25.30	599.0	27.50
	2.5			500.0	27.20	524.0	27.20	546.0	27.20	562.0	27.20	576.0	27.80	584.0	28.60	592.0	30.30	596.0	32.60
	3.0			481.0	32.30	510.0	32.30	535.0	32.30	554.0	32.30	570.0	32.90	580.0	33.70	589.0	35.40	594.0	37.70
	3.5					496.0	37.40	524.0	37.40	546.0	37.40	564.0	38.00	575.0	38.80	586.0	40.50	592.0	42.80
	4.0							514.0	42.50	538.0	42.50	559.0	43.10	571.0	43.90	583.0	45.60	590.0	47.90
660 - 46	0.5	621.0	7.30	632.0	7.30	638.0	7.30	644.0	7.30	648.0	7.30	651.0	7.93	653.0	8.70	655.0	10.40	657.0	12.70
	1.0	590.0	12.80	609.0	12.80	621.0	12.80	630.0	12.80	638.0	12.80	644.0	13.40	648.0	14.20	652.0	15.90	654.0	18.20
	1.5	561.0	18.30	588.0	18.30	604.0	18.30	618.0	18.30	629.0	18.30	638.0	18.90	643.0	19.70	648.0	21.40	651.0	23.70
	2.0	533.0	23.80	569.0	23.80	589.0	23.80	607.0	23.90	620.0	23.80	632.0	24.40	639.0	25.20	645.0	26.90	649.0	29.20
	2.5			550.0	29.30	574.0	29.30	596.0	29.30	612.0	29.30	626.0	29.90	634.0	30.70	642.0	32.40	646.0	34.70
	3.0					560.0	34.80	585.0	34.80	604.0	34.80	620.0	35.40	630.0	36.20	639.0	37.90	644.0	40.20
	3.5					545.0	40.30	574.0	40.30	596.0	40.90	614.0	40.90	625.0	41.70	636.0	43.40	642.0	45.70
	4.0							564.0	45.80	588.0	45.80	609.0	46.40	621.0	47.20	633.0	48.90	640.0	51.20
660 - 51	0.5	722	8.33	739	8.33	749	8.33	758	8.33	764	8.33	770	8.96	773	9.73	777	11.50	779	13.70
	1.0	672	14.90	703	14.90	721	14.90	737	14.90	749	14.90	759	15.50	765	16.30	771	18.00	774	20.30
	1.5	626	21.40	669	21.40	695	21.40	717	21.40	734	21.40	749	22.00	757	22.80	766	24.50	770	26.80
	2.0			638	27.90	670	27.90	699	27.90	720	27.90	739	28.60	750	29.30	760	31.10	766	33.30
	2.5					646	34.50	681	34.50	707	34.50	729	35.10	743	35.90	755	37.60	762	39.90
	3.0					623	41.00	663	41.00	694	41.00	720	41.60	736	42.40	751	44.10	759	46.40
	3.5							647	47.50	681	47.50	711	48.20	729	48.90	746	50.70	756	52.90
	4.0									669	54.10	702	54.70	722	55.50	741	57.20	752	59.50

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA
Speed n=1450r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)
660 - 54	0.5	829.0	9.23	846.0	9.23	856.0	9.23	865.0	9.23	871.0	9.23	877.0	9.86	890.0	10.60	884.0	12.40	886.0	14.60
	1.0	779.0	16.70	810.0	16.70	828.0	16.70	844.0	16.70	856.0	16.70	866.0	17.30	872.0	18.10	878.0	19.80	881.0	22.10
	1.5	733.0	24.10	776.0	24.01	802.0	24.10	824.0	24.10	841.0	24.10	856.0	24.70	864.0	25.50	873.0	27.20	877.0	29.50
	2.0			745.0	31.50	777.0	31.50	806.0	31.50	827.0	31.50	846.0	32.10	857.0	32.90	867.0	34.60	873.0	36.90
	2.5					753.0	38.90	788.0	38.90	814.0	38.90	836.0	39.60	850.0	40.30	862.0	42.10	869.0	44.30
	3.0							770.0	46.40	801.0	46.40	827.0	47.00	843.0	47.80	858.0	49.50	865.0	51.80
	3.5									788.0	53.80	818.0	54.40	836.0	55.20	853.0	56.90	862.0	59.20
	4.0											809.0	61.00	829.0	62.60	848.0	64.30	859.0	66.60
940 - 42	0.5	733.0	9.11	747.0	9.11	755.0	9.11	762.0	9.11	767.0	9.11	772.0	10.00	775.0	11.00	777.0	13.40	779.0	16.50
	1.0	692.0	15.60	717.0	15.60	732.0	15.60	745.0	15.60	754.0	15.60	763.0	16.50	768.0	17.50	772.0	20.00	775.0	23.10
	1.5	655.0	22.20	690.0	22.20	711.0	22.20	729.0	22.20	743.0	22.20	754.0	23.00	761.0	24.10	768.0	26.50	772.0	29.60
	2.0	620.0	28.70	665.0	28.70	691.0	28.70	714.0	28.70	731.0	28.70	747.0	29.60	755.0	30.60	764.0	33.00	769.0	36.10
	2.5	585.0	35.20	640.0	35.20	672.0	35.20	700.0	35.20	721.0	35.20	739.0	36.10	750.0	37.10	760.0	39.50	765.0	42.60
	3.0			616.0	41.70	653.0	41.70	686.0	41.70	710.0	41.70	732.0	42.60	744.0	43.80	756.0	46.10	763.0	49.20
	3.5					635.0	48.30	672.0	48.30	700.0	48.30	724.0	49.10	739.0	50.20	752.0	52.60	760.0	55.70
	4.0					617.0	54.80	659.0	54.80	680.0	54.80	717.0	55.70	733.0	56.70	749.0	59.10	757.0	62.20
940 - 46	0.5	890.0	10.40	904.0	10.40	912.0	10.40	919.0	10.40	924.0	10.40	929.0	11.30	932.0	12.30	934.0	14.80	936.0	17.80
	1.0	849.0	18.20	874.0	18.20	889.0	18.20	902.0	18.20	911.0	18.20	920.0	19.10	925.0	20.20	929.0	22.60	932.0	25.70
	1.5	812.0	26.10	847.0	26.10	868.0	26.10	886.0	26.10	900.0	26.10	911.0	27.00	918.0	28.00	925.0	30.40	929.0	33.50
	2.0	717.0	33.90	822.0	33.90	843.0	33.90	871.0	33.90	888.0	33.90	904.0	34.80	912.0	35.80	921.0	38.30	926.0	41.30
	2.5			797.0	41.70	829.0	41.70	857.0	41.70	878.0	41.70	896.0	42.60	907.0	43.70	917.0	46.10	923.0	49.20
	3.0					810.0	49.60	843.0	49.60	867.0	49.60	889.0	50.50	901.0	51.50	913.0	53.90	920.0	57.00
	3.5					797.0	57.40	829.0	57.40	857.0	57.40	881.0	58.30	896.0	59.30	909.0	61.80	917.0	64.80
	4.0							816.0	65.20	847.0	65.20	874.0	66.10	890.0	67.20	906.0	69.60	914.0	72.70
940 - 50	0.5	990.0	11.50	1012.0	11.50	1025.0	11.50	1036.0	11.50	1045.0	11.50	1052.0	12.40	1056.0	13.40	1061.0	15.80	1063.0	18.90
	1.0	925.0	20.40	965.0	20.40	988.0	20.40	1009.0	20.40	1024.0	20.40	1038.0	21.30	1046.0	22.30	1063.0	24.80	1057.0	27.80
	1.5	865.0	29.30	922.0	29.30	955.0	29.30	984.0	29.30	1005.0	29.30	1024.0	30.20	1033.0	31.20	1046.0	33.70	1052.0	36.80
	2.0			881.0	38.20	922.0	38.20	960.0	38.20	987.0	39.20	1012.0	39.10	1026.0	40.20	1040.0	42.60	1047.0	45.70
	2.5					892.0	47.20	937.0	47.20	970.0	47.20	999.0	48.00	1017.0	49.10	1033.0	51.50	1042.0	54.60
	3.0					852.0	56.10	914.0	56.10	953.0	56.10	968.0	57.00	1006.0	58.00	1027.0	60.40	1037.0	63.50
	3.5							892.0	65.00	937.0	65.00	976.0	65.90	999.0	66.90	1021.0	69.30	1033.0	72.40
	4.0									921.0	73.90	966.0	74.80	990.0	75.00	1015.0	78.30	1028.0	81.30
940 - 54	0.5	1170.0	13.00	1192.0	13.00	1206.0	13.00	1216.0	13.00	1225.0	13.00	1232.0	13.90	1236.0	14.90	1241.0	17.30	1243.0	20.40
	1.0	1105.0	23.40	1145.0	23.40	1168.0	23.40	1189.0	23.40	1204.0	23.40	1216.0	24.30	1226.0	25.30	1233.0	27.80	1237.0	30.80
	1.5	1045.0	33.80	1102.0	33.80	1135.0	33.80	1164.0	33.80	1185.0	33.80	1204.0	34.70	1215.0	35.70	1226.0	38.20	1232.0	41.30
	2.0			1061.0	44.20	1103.0	44.20	1140.0	44.20	1167.0	44.20	1192.0	45.10	1206.0	46.20	1220.0	48.60	1227.0	51.70
	2.5					1072.0	54.70	1117.0	54.70	1150.0	54.70	1179.0	55.50	1197.0	56.60	1213.0	59.00	1222.0	62.10
	3.0							1094.0	65.10	1133.0	65.10	1168.0	66.00	1188.0	67.00	1207.0	69.40	1217.0	72.50
	3.5									1117.0	75.50	1156.0	76.40	1179.0	77.40	1201.0	79.00	1213.0	82.90
	4.0											1145.0	86.80	1170.0	87.80	1195.0	90.30	1203.0	93.30
1300 - 38	0.5	882.0	11.30	895.0	11.30	902.0	11.30	908.0	11.30	913.0	11.30	918.0	12.50	920.0	13.80	923.0	17.30	924.0	21.20
	1.0	845.0	19.00	868.0	19.00	881.0	19.00	893.0	19.00	902.0	19.00	909.0	20.20	914.0	21.50	918.0	25.00	921.0	29.00
	1.5	810.0	26.70	843.0	26.70	862.0	26.70	878.0	26.70	891.0	26.70	902.0	28.00	908.0	29.20	914.0	32.80	918.0	36.70
	2.0	777.0	34.50	819.0	34.50	843.0	34.50	865.0	34.50	881.0	34.50	894.0	35.70	903.0	37.00	911.0	40.50	915.0	44.40
	2.5	746.0	42.20	797.0	42.20	826.0	42.20	851.0	42.20	871.0	42.20	887.0	43.40	897.0	44.70	907.0	48.20	912.0	52.20
	3.0	716.0	49.90	775.0	49.90	808.0	49.90	838.0	49.90	861.0	49.90	881.0	51.20	892.0	52.40	903.0	56.00	909.0	59.90
	3.5			753.0	57.70	792.0	57.70	826.0	57.70	852.0	57.70	874.0	58.90	887.0	60.20	900.0	63.70	907.0	67.60
	4.0					775.0	65.40	814.0	65.40	843.0	65.40	868.0	66.60	882.0	67.90	896.0	71.40	904.0	75.40

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=1450r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)
1300 - 42	0.5	1047.0	12.80	1064.0	12.80	1074.0	12.80	1083.0	12.80	1090.0	12.80	1096.0	14.00	1099.0	15.30	1102.0	18.80	1104.0	22.80
	1.0	996.0	22.00	1028.0	22.00	1046.0	22.00	1062.0	22.00	1074.0	22.00	1085.0	23.30	1091.0	24.50	1097.0	28.10	1100.0	32.00
	1.5	949.0	31.30	994.0	31.30	1019.0	31.30	1042.0	31.30	1059.0	31.30	1074.0	32.50	1083.0	33.80	1091.0	37.30	1096.0	41.30
	2.0	905.0	40.50	961.0	40.50	994.0	40.50	1023.0	40.50	1045.0	40.50	1064.0	41.80	1075.0	43.00	1086.0	46.60	1092.0	50.50
	2.5	862.0	49.50	930.0	49.80	970.0	49.80	1005.0	49.80	1032.0	49.80	1054.0	51.00	1068.0	52.30	1081.0	55.80	1088.0	59.80
	3.0			900.0	59.00	947.0	59.00	988.0	59.00	1018.0	59.00	1045.0	60.30	1061.0	61.50	1076.0	65.10	1084.0	59.00
	3.5					924.0	68.30	970.0	68.30	1006.0	68.30	1036.0	68.50	1054.0	70.80	1071.0	74.30	1081.0	78.50
	4.0					901.0	77.50	954.0	77.50	990.0	77.50	1027.0	76.80	1047.0	80.00	1067.0	83.60	1077.0	87.50
1300 - 46	0.5	1227.0	14.30	1244.0	14.30	1254.0	14.30	1263.0	14.30	1270.0	14.30	1276.0	15.50	1279.0	16.80	1283.0	20.30	1294.0	24.30
	1.0	1176.0	25.00	1208.0	25.00	1226.0	25.00	1242.0	25.00	1254.0	25.00	1265.0	26.30	1271.0	27.50	1277.0	31.10	1280.0	35.00
	1.5	1129.0	35.80	1174.0	35.80	1199.0	35.80	1222.0	35.80	1239.0	35.80	1254.0	37.00	1263.0	38.30	1271.0	41.80	1276.0	45.80
	2.0	1085.0	46.50	1141.0	46.50	1174.0	46.50	1203.0	46.50	1225.0	46.50	1244.0	47.90	1255.0	49.00	1266.0	52.60	1272.0	56.50
	2.5			1110.0	57.30	1150.0	57.30	1185.0	57.30	1212.0	57.30	1234.0	58.50	1248.0	59.80	1261.0	63.30	1268.0	67.30
	3.0					1127.0	68.00	1168.0	68.00	1198.0	68.00	1225.0	69.30	1241.0	70.50	1256.0	74.10	1264.0	78.00
	3.5					1104.0	78.80	1150.0	78.80	1186.0	78.80	1216.0	80.00	1234.0	81.30	1251.0	84.80	1261.0	88.60
	4.0							1134.0	89.50	1173.0	89.50	1207.0	90.80	1227.0	92.00	1247.0	95.60	1257.0	100.00
1300 - 54	0.5	1614.0	17.80	1643.0	17.80	1659.0	17.80	1673.0	17.80	1684.0	17.80	1693.0	19.10	1699.0	20.30	1704.0	23.90	1707.0	27.80
	1.0	1533.0	32.10	1584.0	32.10	1613.0	32.10	1639.0	32.10	1658.0	32.10	1675.0	33.40	1685.0	34.60	1695.0	38.20	1700.0	42.10
	1.5	1458.0	46.40	1530.0	46.40	1571.0	46.40	1607.0	46.40	1635.0	46.40	1658.0	47.70	1672.0	48.90	1686.0	52.50	1693.0	56.40
	2.0			1478.0	60.70	1530.0	60.70	1577.0	60.70	1612.0	60.70	1642.0	62.00	1660.0	63.20	1678.0	66.90	1687.0	70.70
	2.5					1492.0	75.00	1548.0	75.00	1590.0	75.00	1627.0	76.30	1649.0	77.50	1670.0	81.10	1681.0	85.00
	3.0							1520.0	89.30	1569.0	89.30	1612.0	90.60	1637.0	91.80	1662.0	95.40	1675.0	99.30
	3.5									1540.0	104.00	1598.0	106.00	1626.0	106.00	1654.0	110.00	1669.0	114.00
	4.0											1583.0	119.00	1616.0	120.00	1647.0	124.00	1664.0	128.00
1700 - 42	0.5	1407.0	17.20	1428.0	17.20	1441.0	17.20	1452.0	17.20	1460.0	17.20	1468.0	18.60	1472.0	20.20	1476.0	24.90	1478.0	30.10
	1.0	1344.0	29.50	1383.0	29.50	1406.0	29.50	1426.0	29.50	1441.0	29.50	1454.0	31.00	1461.0	32.50	1469.0	37.20	1473.0	42.40
	1.5	1286.0	41.90	1341.0	41.90	1373.0	41.90	1401.0	41.90	1422.0	41.90	1441.0	43.40	1461.0	44.90	1462.0	49.60	1467.0	54.80
	2.0	1231.0	54.30	1301.0	54.30	1343.0	54.30	1378.0	54.30	1406.0	54.30	1428.0	55.80	1442.0	57.30	1455.0	62.00	1463.0	67.20
	2.5	1178.0	66.70	1263.0	66.70	1313.0	66.70	1356.0	66.70	1388.0	65.70	1417.0	68.10	1433.0	69.70	1449.0	74.40	1456.0	79.60
	3.0			1225.0	79.00	1284.0	79.00	1334.0	79.00	1372.0	79.00	1405.0	80.50	1424.0	82.00	1443.0	88.40	1453.0	91.90
	3.5					1256.0	91.40	1313.0	91.40	1362.0	91.40	1394.0	92.90	1416.0	94.40	1437.0	99.10	1449.0	104.00
	4.0					1228.0	104.00	1292.0	104.00	1341.0	104.00	1383.0	105.00	1408.0	107.00	1432.0	111.00	1445.0	117.00
1700 - 46	0.5	1642.0	19.10	1663.0	19.10	1676.0	19.10	1687.0	19.10	1695.0	19.10	17.3	20.60	1707.0	22.10	1711.0	26.80	1713.0	32.00
	1.0	1579.0	33.40	1618.0	33.40	1641.0	33.40	1661.0	33.40	1676.0	33.40	1689.0	34.90	1696.0	35.50	1704.0	41.20	1708.0	45.40
	1.5	1521.0	47.80	1576.0	47.80	1608.0	47.80	1636.0	47.80	1667.0	47.80	1676.0	49.30	1686.0	50.80	1697.0	55.50	1702.0	60.70
	2.0	1466.0	62.10	1536.0	62.10	1578.0	62.10	1613.0	62.10	1640.0	62.10	1663.0	63.60	1677.0	65.10	1690.0	69.80	1698.0	75.00
	2.5			1498.0	76.40	1548.0	76.40	1591.0	76.40	1623.0	76.40	1662.0	77.90	1668.0	79.50	1684.0	84.20	1693.0	89.40
	3.0					1519.0	90.80	1569.0	90.80	1607.0	90.80	1640.0	92.30	1659.0	93.80	1678.0	98.50	1688.0	104.00
	3.5					1491.0	105.00	1548.0	105.00	1592.0	105.00	1629.0	107.00	1651.0	106.00	1672.0	113.00	1684.0	118.00
	4.0							1527.0	119.00	1576.0	119.00	1618.0	121.00	1643.0	122.00	1667.0	127.00	1680.0	132.00

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=1450r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)	Capacity (m ³ /h)	Shaft Power (kW)
2200 - 42	0.5	1838.0	22.40	1864.0	22.40	1879.0	22.40	1892.0	22.40	1902.0	22.40	1911.0	24.20	1916.0	26.00	1921.0	32.60	1924.0	38.20
	1.0	1762.0	38.50	18.9	38.50	1836.0	38.50	1860.0	38.50	1878.0	38.50	1894.0	40.30	1903.0	42.10	1912.0	47.70	1917.0	54.30
	1.5	1692.0	54.60	1758.0	54.60	1797.0	54.60	1831.0	54.60	1856.0	54.60	1879.0	56.40	1891.0	58.20	1904.0	63.80	1911.0	70.40
	2.0	1626.0	70.70	1710.0	70.70	1760.0	70.70	1803.0	70.70	1835.0	70.70	1864.0	72.50	1880.0	74.30	1896.0	79.90	1905.0	86.50
	2.5	1562.0	86.80	1664.0	86.80	1724.0	85.80	1776.0	86.80	1518.0	85.80	1849.0	88.60	1869.0	90.40	1889.0	96.00	1899.0	103.00
	3.0			1619.0	103.00	1689.0	103.00	1750.0	103.00	1796.0	103.00	1836.0	105.00	1859.0	107.00	1882.0	112.00	1894.0	119.00
	3.5					1655.0	119.00	1724.0	119.00	1777.0	119.00	1822.0	121.00	1849.0	123.00	1875.0	128.00	1888.0	135.00
	4.0					1621.0	135.00	1699.0	135.00	1758.0	135.00	1809.0	137.00	1839.0	139.00	1868.0	144.00	1883.0	151.00
2200 - 46	0.5	2136.0	24.90	2162.0	24.90	2177.0	24.90	2190.0	24.90	2200.0	24.90	2209.0	26.70	2214.0	28.50	2219.0	34.10	2222.0	40.70
	1.0	2060.0	43.50	2107.0	43.50	2134.0	43.50	2158.0	43.50	2176.0	43.50	2192.0	45.30	2201.0	47.10	2210.0	52.70	2215.0	59.30
	1.5	1990.0	62.10	2056.0	62.10	2095.0	62.10	2129.0	62.10	2154.0	62.10	2177.0	63.90	2189.0	65.70	2202.0	71.30	2209.0	77.90
	2.0	1924.0	80.70	2008.0	80.70	2058.0	80.70	2101.0	80.70	2133.0	80.70	2162.0	82.40	2178.0	84.30	2194.0	89.80	2203.0	95.00
	2.5			1962.0	99.20	2022.0	99.20	2074.0	99.20	2113.0	99.20	2147.0	101.00	2167.0	103.00	2187.0	108.00	2197.0	115.00
	3.0					1997.0	118.00	2048.0	118.00	2094.0	118.00	2134.0	120.00	2157.0	121.00	2180.0	127.00	2192.0	134.00
	3.5					1953.0	136.00	2022.0	136.00	2075.0	136.00	2120.0	138.00	2147.0	140.00	2173.0	146.00	2186.0	152.00
	4.0					1997.0	155.00	2056.0	155.00	2107.0	155.00	2150.0	157.00	2177.0	159.00	2203.0	164.00	2218.0	171.00
2900 - 40	0.5	2728.0	33.40	2765.0	33.40	2786.0	33.40	2805.0	33.40	2818.0	33.40	2831.0	35.90	2838.0	38.90	2845.0	48.10	2840.0	56.90
	1.0	2622.0	57.20	2688.0	57.20	2726.0	57.20	2760.0	57.20	2785.0	57.20	2807.0	59.80	2820.0	62.80	2833.0	72.00	2839.0	80.80
	1.5	2524.0	81.10	2617.0	81.10	2671.0	81.10	2719.0	81.10	2754.0	81.10	2785.0	83.60	2803.0	86.60	2822.0	96.80	2830.0	105.00
	2.0	2431.0	106.00	2550.0	105.00	2618.0	105.00	2680.0	106.00	2725.0	105.00	2764.0	107.00	2783.0	110.00	2811.0	120.00	2822.0	128.00
	2.5			2485.0	129.00	2568.0	129.00	2642.0	129.00	2697.0	129.00	2745.0	131.00	2772.0	134.00	2801.0	143.00	2814.0	152.00
	3.0					2519.0	153.00	2606.0	153.00	2669.0	153.00	2725.0	155.00	2758.0	158.00	2791.0	167.00	2807.0	176.00
	3.5							2570.0	176.00	2642.0	176.00	2706.0	179.00	2743.0	182.00	2781.0	191.00	2799.0	200.00
	4.0									2616.0	200.00	2688.0	203.00	2729.0	206.00	2772.0	215.00	2792.0	224.00
3600 - 46	0.5	3428.0	39.20	3465.0	39.20	3486.0	39.20	3505.0	39.20	3518.0	39.20	3531.0	41.80	3538.0	44.80	3545.0	54.00	3548.0	62.80
	1.0	3322.0	68.90	3388.0	68.90	3426.0	68.90	3460.0	68.90	3485.0	68.90	3507.0	71.40	3520.0	74.40	3532.0	83.60	3539.0	92.50
	1.5	3224.0	98.60	3317.0	98.60	3371.0	98.60	3419.0	98.60	3454.0	98.60	3485.0	101.00	3503.0	104.00	3521.0	113.00	3530.0	122.00
	2.0			3250.0	128.00	3318.0	128.00	3380.0	128.00	3425.0	128.00	3464.0	131.00	3488.0	134.00	3510.0	143.00	3522.0	152.00
	2.5					3268.0	158.00	3342.0	158.00	3397.0	158.00	3445.0	160.00	3472.0	163.00	3500.0	173.00	3514.0	181.00
	3.0							3306.0	168.00	3369.0	168.00	3425.0	190.00	3459.0	193.00	3490.0	202.00	3507.0	211.00
	3.5									3342.0	217.00	3406.0	220.00	3443.0	223.00	3480.0	232.00	3499.0	242.00
	4.0									3316.0	247.00	3388.0	249.00	3429.0	252.00	3470.0	262.00	3492.0	270.00
5300 - 46	0.5	5169.0	62.20	5217.0	62.20	5246.0	62.20	5271.0	62.20	5290.0	62.20	5306.0	67.30	5315.0	72.50	5324.0	90.10	5329.0	107.00
	1.0	5027.0	107.00	5115.0	107.00	5166.0	107.00	5211.0	107.00	5245.0	107.00	5274.0	112.00	5291.0	117.00	5308.0	135.00	5317.0	152.00
	1.5	4896.0	151.00	5020.0	151.00	5092.0	151.00	5156.0	151.00	5204.0	151.00	5245.0	156.00	5269.0	162.00	5293.0	179.00	5305.0	196.00
	2.0			4930.0	196.00	5022.0	195.00	5103.0	196.00	5165.0	196.00	5217.0	201.00	5248.0	206.00	5278.0	224.00	5294.0	241.00
	2.5					4955.0	240.00	5053.0	240.00	5127.0	240.00	5190.0	246.00	5228.0	251.00	5264.0	268.00	5284.0	285.00
	3.0							5044.0	285.00	5091.0	285.00	5164.0	290.00	5208.0	295.00	5251.0	313.00	5274.0	330.00
	3.5									5055.0	329.00	5139.0	335.00	5189.0	340.00	5237.0	357.00	5263.0	374.00
	4.0									5020.0	374.00	5114.0	379.00	5170.0	384.00	5224.0	402.00	5254.0	419.00

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=2900r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)
40 - 38	0.5	59.10	1.13	60.20	1.13	60.80	1.13	61.40	1.13	61.80	1.13	62.10	1.14	62.30	1.81	62.60	2.29	62.70	3.17
	1.0	56.00	1.65	58.00	1.65	59.10	1.65	60.10	1.65	60.80	1.65	61.40	1.93	61.60	2.33	62.20	2.81	62.40	3.69
	1.5	53.10	2.18	55.90	2.18	57.50	2.18	58.90	2.18	59.90	2.18	60.70	2.46	61.30	2.86	61.90	3.34	62.20	4.22
	2.0	50.40	2.70	54.00	2.70	56.00	2.70	57.80	2.70	59.00	2.70	60.10	2.98	60.80	3.38	61.60	3.86	61.90	4.74
	2.5	47.70	3.23	52.10	3.23	54.50	3.23	56.70	3.23	58.20	3.23	59.50	3.51	60.40	3.91	61.30	4.39	61.70	5.27
	3.0	45.20	3.75	50.30	3.75	53.10	3.75	55.60	3.75	57.40	3.75	58.90	4.03	59.90	4.43	61.00	4.91	61.50	5.79
	3.5	42.70	4.28	48.50	4.28	51.70	4.28	54.60	4.28	56.60	4.28	58.40	4.56	59.50	4.96	60.70	5.44	61.30	6.32
	4.0	40.30	4.90	48.80	4.90	50.30	4.90	53.60	4.90	55.90	4.90	57.80	5.08	59.10	5.48	60.40	5.96	61.10	6.84
40 - 46	0.5	78.70	1.30	80.20	1.30	81.00	1.30	81.80	1.30	82.30	1.30	82.80	1.58	83.10	1.98	83.40	2.46	83.60	3.34
	1.0	74.50	2.00	77.10	2.00	78.60	2.00	80.00	2.00	81.00	2.00	81.90	2.28	82.40	2.68	82.90	3.16	83.20	4.04
	1.5	70.60	2.70	74.30	2.70	76.40	2.70	78.40	2.70	79.80	2.70	81.00	2.98	81.70	3.38	82.40	3.86	82.90	4.74
	2.0	66.90	3.40	71.60	3.40	74.30	3.40	76.80	3.40	78.60	3.40	80.20	3.68	81.10	4.08	82.00	4.56	82.60	5.44
	2.5	63.30	4.10	69.00	4.10	72.20	4.10	75.30	4.10	77.50	4.10	79.40	4.38	80.50	4.78	81.60	5.26	82.30	6.14
	3.0	59.80	4.80	66.40	4.80	70.30	4.80	73.80	4.80	76.40	4.80	78.70	5.08	79.90	5.48	81.20	5.96	82.00	6.84
	3.5	56.40	5.50	64.00	5.50	68.30	5.50	72.40	5.50	75.30	5.50	77.90	5.78	79.40	6.18	80.80	6.66	81.70	7.54
	4.0			61.60	6.20	66.50	6.20	71.00	6.20	74.30	6.20	77.20	6.48	78.80	6.88	80.40	7.36	81.40	8.24
40 - 54	0.5	104.00	1.54	107.00	1.54	108.00	1.54	109.00	1.54	110.00	1.54	111.00	1.82	111.00	2.22	112.00	2.70	112.00	3.58
	1.0	97.60	2.48	102.00	2.48	104.00	2.48	106.00	2.48	108.00	2.48	109.00	2.76	110.00	3.16	111.00	3.64	112.00	4.52
	1.5	91.30	3.42	97.30	3.42	101.00	3.42	104.00	3.42	106.00	3.42	108.00	3.70	109.00	4.10	110.00	4.58	111.00	5.46
	2.0	85.40	4.36	93.00	4.36	97.30	4.36	101.00	4.36	104.00	4.36	107.00	4.64	108.00	5.04	110.00	5.52	110.00	6.40
	2.5	79.70	5.30	88.80	5.30	94.10	5.30	98.90	5.30	102.00	5.30	105.00	5.58	107.00	5.95	109.00	6.46	110.00	7.34
	3.0			84.80	6.24	90.90	6.24	96.50	6.24	101.00	6.24	104.00	6.52	106.00	6.92	108.00	7.40	109.00	8.28
	3.5					87.90	7.18	94.20	7.18	98.90	7.18	103.00	7.46	105.00	7.85	108.00	8.34	109.00	9.22
	4.0					84.90	8.12	92.00	8.12	97.20	8.12	102.00	8.40	104.00	8.80	107.00	9.28	109.00	10.20
80 - 36	0.5	109.00	1.80	110.00	1.80	111.00	1.80	112.00	1.80	113.00	1.80	114.00	2.16	114.00	2.68	114.00	3.36	114.00	4.48
	1.0	104.00	2.76	107.00	2.76	109.00	2.76	110.00	2.76	111.00	2.76	113.00	3.12	113.00	3.64	114.00	4.32	114.00	5.44
	1.5	99.10	3.72	103.00	3.72	106.00	3.72	108.00	3.72	110.00	3.72	111.00	4.08	112.00	4.80	113.00	5.28	114.00	6.40
	2.0	94.60	4.67	100.00	4.67	103.00	4.67	106.00	4.67	109.00	4.67	110.00	5.03	112.00	5.55	113.00	6.23	113.00	7.35
	2.5	90.40	5.63	97.70	5.63	101.00	5.63	106.00	5.63	107.00	5.63	110.00	5.99	111.00	6.51	112.00	7.19	113.00	8.31
	3.0	86.30	6.59	94.10	6.59	98.70	6.59	103.00	6.59	106.00	6.59	109.00	6.95	110.00	7.47	112.00	8.15	112.00	9.27
	3.5	82.20	7.55	91.20	7.55	96.40	7.55	101.00	7.55	106.00	7.55	108.00	7.91	109.00	8.43	111.00	9.11	112.00	10.20
	4.0	78.30	8.51	88.40	8.51	94.20	8.51	99.40	8.51	103.00	8.51	107.00	8.87	109.00	9.39	111.00	10.10	112.00	11.20
80 - 42	0.5	131.00	2.01	134.00	2.01	135.00	2.01	136.00	2.01	137.00	2.01	138.00	2.37	139.00	2.89	139.00	3.57	139.00	4.59
	1.0	125.00	3.17	129.00	3.17	131.00	3.17	134.00	3.17	135.00	3.17	137.00	3.53	137.00	4.05	138.00	4.73	139.00	5.85
	1.5	118.00	4.34	124.00	4.34	128.00	4.34	131.00	4.34	133.00	4.34	135.00	4.70	136.00	5.22	137.00	5.90	138.00	7.02
	2.0	112.00	5.51	120.00	5.51	124.00	5.51	128.00	5.51	131.00	5.51	134.00	5.87	135.00	6.39	137.00	7.07	137.00	8.19
	2.5	106.00	6.67	116.00	6.67	121.00	6.67	126.00	6.67	129.00	6.67	132.00	7.03	134.00	7.55	136.00	8.23	137.00	9.35
	3.0	101.00	7.84	112.00	7.84	118.00	7.84	123.00	7.84	128.00	7.84	131.00	8.20	133.00	8.72	136.00	9.40	136.00	10.50
	3.5	95.00	9.01	108.00	9.01	115.00	9.01	121.00	9.01	126.00	9.01	130.00	9.37	132.00	9.89	135.00	10.60	136.00	11.70
	4.0	89.60	10.20	104.00	10.20	112.00	10.20	119.00	10.20	124.00	10.20	129.00	10.50	132.00	11.10	134.00	11.70	135.00	12.90
80 - 46	0.5	155.00	2.21	158.00	2.21	159.00	2.21	160.00	2.21	161.00	2.21	162.00	2.57	163.00	3.09	163.00	3.77	163.00	4.89
	1.0	149.00	3.57	153.00	3.57	155.00	3.57	158.00	3.57	159.00	3.57	161.00	3.93	161.00	4.45	162.00	5.13	163.00	6.25
	1.5	142.00	4.94	148.00	4.94	152.00	4.94	155.00	4.94	157.00	4.94	159.00	5.30	160.00	5.82	161.00	6.50	162.00	7.62
	2.0	136.00	6.31	144.00	6.31	148.00	6.31	152.00	6.31	155.00	6.31	158.00	6.57	159.00	7.19	161.00	7.67	161.00	8.99
	2.5	130.00	7.67	140.00	7.67	145.00	7.67	150.00	7.67	153.00	7.67	156.00	8.03	158.00	8.55	160.00	9.23	161.00	10.40
	3.0	125.00	9.04	136.00	9.04	142.00	9.04	147.00	9.04	152.00	9.04	155.00	9.40	157.00	9.92	159.00	10.60	160.00	11.70
	3.5	119.00	10.40	132.00	10.40	139.00	10.40	145.00	10.40	150.00	10.40	154.00	10.80	156.00	11.90	159.00	12.00	160.00	13.10
	4.0			128.00	11.80	136.00	11.80	143.00	11.80	148.00	11.90	153.00	12.10	156.00	12.70	158.00	13.30	159.00	14.50
80 - 54	0.5	202.00	2.54	206.00	2.64	208.00	2.64	210.00	2.64	212.00	2.64	213.00	3.00	214.00	3.52	214.00	4.20	215.00	5.32
	1.0	191.00	4.44	198.00	4.44	202.00	4.44	206.00	4.44	208.00	4.44	211.00	4.80	212.00	5.32	213.00	6.00	214.00	7.12
	1.5	181.00	6.24	191.00	6.24	196.00	6.24	201.00	6.24	205.00	6.24	208.00	6.60	210.00	7.12	212.00	7.80	213.00	8.92
	2.0	171.00	8.04	184.00	8.04	191.00	8.04	197.00	8.04	202.00	8.04	206.00	8.40	208.00	8.92	211.00	9.60	212.00	10.70
	2.5	162.00	9.84	171.00	9.84	186.00	9.94	193.00	9.84	199.00	9.84	204.00	10.20	207.00	10.70	210.00	11.40	211.00	12.50
	3.0			170.00	11.60	181.00	11.60	190.00	11.60	196.00	11.60	202.00	12.00	205.00	12.50	209.00	13.20	210.00	14.30
	3.5					176.00	13.40	186.00	13.40	193.00	13.40	200.00	13.80	204.00	14.30	208.00	15.00	210.00	16.10
	4.0					171.00	15.20	182.00	15.20	191.00	15.20	198.00	15.60	202.00	16.10	207.00	16.60	209.00	17.90

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA
Speed n=2900r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)
120 - 42	0.5	189.00	3.11	192.00	3.11	194.00	3.11	195.00	3.11	197.00	3.11	198.00	3.63	198.00	4.39	199.00	5.51	199.00	7.43
	1.0	180.00	4.77	186.00	4.77	189.00	4.77	192.00	4.77	194.00	4.77	196.00	5.29	197.00	6.05	198.00	7.17	198.00	9.09
	1.5	172.00	6.44	180.00	6.44	184.00	6.44	188.00	6.44	191.00	6.44	194.00	6.96	195.00	7.72	197.00	8.84	197.00	10.80
	2.0	164.00	8.11	174.00	8.11	180.00	8.11	185.00	8.11	189.00	8.11	192.00	8.63	194.00	9.39	196.00	10.50	197.00	12.40
	2.5	156.00	9.77	168.00	9.77	175.00	9.77	182.00	9.77	186.00	9.77	190.00	10.30	193.00	11.10	195.00	12.20	196.00	14.10
	3.0	149.00	11.40	163.00	11.40	171.00	10.40	179.00	11.40	184.00	11.40	189.00	12.00	191.00	12.70	194.00	13.80	195.00	15.80
	3.5	142.00	13.10	158.00	13.10	167.00	13.10	176.00	13.10	182.00	13.10	187.00	13.60	190.00	14.40	193.00	15.50	195.00	17.40
4.0	135.00	14.80	153.00	14.80	163.00	14.80	173.00	14.80	180.00	14.80	183.00	15.30	189.00	16.10	193.00	17.20	194.00	19.10	
120 - 46	0.5	225.00	3.41	228.00	3.41	230.00	3.41	231.00	3.41	233.00	3.41	234.00	3.93	234.00	4.69	235.00	5.81	235.00	7.73
	1.0	216.00	5.37	222.00	5.37	225.00	5.37	228.00	5.37	230.00	5.37	232.00	5.89	233.00	6.65	234.00	7.77	234.00	9.69
	1.5	208.00	7.34	216.00	7.34	220.00	7.34	224.00	7.34	227.00	7.34	230.00	7.86	231.00	8.62	233.00	9.74	233.00	11.70
	2.0	200.00	9.31	210.00	9.31	216.00	9.31	221.00	9.37	225.00	9.31	228.00	9.83	230.00	10.60	232.00	11.70	233.00	13.60
	2.5	192.00	11.30	204.00	11.30	211.00	11.30	218.00	11.30	222.00	11.30	226.00	11.80	229.00	12.60	231.00	13.70	232.00	15.60
	3.0	185.00	13.20	199.00	13.70	207.00	13.20	215.00	13.20	220.00	13.20	226.00	13.80	227.00	14.50	230.00	15.60	231.00	17.60
	3.5	178.00	15.20	194.00	15.20	203.00	15.20	212.00	15.20	218.00	15.20	223.00	15.70	226.00	16.50	229.00	17.60	231.00	19.90
4.0			189.00	17.20	199.00	17.20	209.00	17.20	216.00	17.20	221.00	17.70	225.00	18.50	229.00	19.60	230.00	21.90	
120 - 54	0.5	296.00	4.06	301.00	4.06	304.00	4.05	307.00	4.05	308.00	4.05	310.00	4.58	311.00	5.34	312.00	6.46	312.00	8.38
	1.0	282.00	6.67	291.00	6.67	296.00	6.67	301.00	6.67	304.00	6.67	307.00	7.19	309.00	7.95	310.00	9.07	311.00	11.00
	1.5	269.00	9.29	281.00	9.29	289.00	9.29	295.00	9.29	300.00	9.29	304.00	9.81	306.00	10.60	309.00	11.70	310.00	13.60
	2.0	256.00	11.90	272.00	11.90	282.00	11.90	290.00	11.90	296.00	11.90	301.00	12.40	304.00	13.20	307.00	14.30	309.00	16.20
	2.5	244.00	14.50	263.00	14.50	275.00	14.50	285.00	14.50	292.00	14.50	299.00	15.00	302.00	15.80	306.00	16.90	308.00	18.80
	3.0			255.00	17.10	268.00	17.10	280.00	17.10	288.00	17.10	296.00	17.70	300.00	18.40	305.00	19.50	307.00	21.50
	3.5					262.00	18.80	275.00	18.80	285.00	18.80	293.00	20.30	298.00	21.00	303.00	22.20	306.00	24.10
4.0					256.00	22.40	270.00	22.40	281.00	22.40	291.00	22.90	296.00	23.70	302.00	24.80	305.00	25.70	
210 - 40	0.5	321.00	5.02	325.00	5.02	327.00	5.02	329.00	5.02	330.00	5.02	331.00	5.74	332.00	6.90	333.00	8.82	333.00	11.70
	1.0	311.00	7.81	318.00	7.81	321.00	7.81	324.00	7.81	327.00	7.81	329.00	8.53	330.00	9.63	331.00	11.60	332.00	14.30
	1.5	302.00	10.60	311.00	10.80	316.00	10.80	320.00	10.80	324.00	10.80	327.00	11.30	329.00	12.50	330.00	14.40	331.00	17.30
	2.0	293.00	13.40	304.00	13.40	311.00	13.40	317.00	13.40	321.00	13.40	325.00	14.10	327.00	15.30	329.00	17.20	330.00	20.10
	2.5	285.00	16.20	298.00	16.20	306.00	16.20	313.00	16.20	318.00	16.20	323.00	16.90	326.00	18.00	328.00	20.00	330.00	22.90
	3.0	276.00	18.90	292.00	18.90	301.00	18.90	310.00	18.90	316.00	18.90	321.00	19.70	324.00	20.80	327.00	22.70	329.00	25.70
	3.5	268.00	21.70	286.00	21.70	297.00	21.70	306.00	21.70	313.00	21.70	319.00	22.40	323.00	23.60	326.00	25.50	328.00	28.40
4.0	260.00	24.50	281.00	24.50	292.00	24.50	303.00	24.50	313.00	24.50	317.00	25.20	322.00	26.40	326.00	28.30	328.00	31.20	
210 - 46	0.5	403.00	5.74	408.00	5.74	410.00	5.74	413.00	5.74	415.00	5.74	416.00	6.46	417.00	7.62	418.00	9.54	419.00	12.50
	1.0	389.00	9.24	398.00	9.24	403.00	9.24	407.00	9.24	410.00	9.24	413.00	10.00	415.00	11.10	416.00	13.00	417.00	15.00
	1.5	375.00	12.70	388.00	12.70	395.00	12.70	402.00	12.70	406.00	12.70	410.00	13.50	413.00	14.60	415.00	16.50	416.00	19.50
	2.0	364.00	16.20	380.00	16.20	389.00	16.20	396.00	16.20	402.00	16.20	408.00	17.00	411.00	18.10	414.00	20.00	415.00	23.00
	2.5	352.00	19.70	371.00	19.70	382.00	19.70	391.00	19.70	399.00	19.70	405.00	20.50	409.00	21.60	412.00	23.50	414.00	26.50
	3.0	341.00	23.20	363.00	23.20	376.00	23.20	397.00	23.20	395.00	23.20	402.00	24.00	407.00	25.10	411.00	27.00	413.00	30.00
	3.5	330.00	26.70	355.00	26.70	370.00	26.70	392.00	26.70	392.00	26.70	400.00	27.50	405.00	28.60	410.00	30.50	412.00	33.50
4.0			347.00	30.20	363.00	30.20	377.00	30.20	358.00	30.20	395.00	31.00	403.00	32.10	408.00	34.00	411.00	37.00	
210 - 54	0.5	532.00	6.91	540.00	6.91	545.00	6.91	548.00	6.91	551.00	6.91	554.00	7.63	555.00	8.79	557.00	10.70	558.00	13.60
	1.0	510.00	11.60	524.00	11.60	532.00	11.60	539.00	11.60	544.00	11.60	549.00	17.30	552.00	13.50	554.00	15.40	556.00	18.30
	1.5	490.00	16.20	509.00	16.20	521.00	16.20	530.00	16.20	538.00	16.20	544.00	17.00	548.00	18.10	552.00	20.00	554.00	23.00
	2.0	471.00	20.90	495.00	20.90	510.00	20.90	522.00	20.90	532.00	20.90	540.00	21.60	545.00	22.80	550.00	24.70	552.00	27.60
	2.5	452.00	25.60	482.00	25.60	499.00	25.60	514.00	25.60	536.00	25.60	536.00	26.30	542.00	27.50	541.00	29.40	550.00	32.30
	3.0			469.00	30.20	489.00	30.20	507.00	30.20	520.00	30.20	532.00	31.00	539.00	32.10	545.00	34.00	549.00	37.00
	3.5					479.00	34.90	499.00	34.90	514.00	34.90	523.00	35.60	536.00	36.00	543.00	33.70	547.00	41.60
4.0					469.00	39.60	492.00	39.60	509.00	39.60	524.00	40.30	533.00	41.50	541.00	43.40	546.00	46.30	
280 - 43	0.5	473.00	7.52	479.00	7.52	482.00	7.52	485.00	7.52	487.00	7.52	499.00	8.68	491.00	10.30	492.00	13.40	492.00	17.70
	1.0	456.00	11.60	466.00	11.60	473.00	11.60	478.00	11.60	482.00	11.50	486.00	12.80	488.00	14.40	490.00	17.50	491.00	21.80
	1.5	441.00	15.80	456.00	15.80	464.00	15.80	472.00	15.80	477.00	15.80	482.00	16.90	485.00	18.60	488.00	21.60	489.00	25.90
	2.0	426.00	19.90	445.00	19.90	456.00	19.90	466.00	19.90	473.00	19.90	479.00	21.00	483.00	22.70	486.00	25.70	488.00	30.00
	2.5	412.00	24.00	435.00	24.00	448.00	24.00	460.00	24.00	468.00	24.00	476.00	25.10	480.00	26.80	484.00	29.90	487.00	34.10
	3.0	399.00	28.10	425.00	28.10	440.00	28.10	454.00	28.10	464.00	28.10	473.00	29.30	478.00	30.90	483.00	34.00	486.00	38.10
	3.5	385.00	32.20	415.00	328														

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA

Speed n=2900r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm²/s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)	(m³/h)	(kW)
280 - 46	0.5	539.00	8.07	454.00	8.07	548.00	8.07	551.00	8.07	553.00	8.07	555.00	9.23	557.00	10.90	558.00	13.90	558.00	18.20
	1.0	523.00	12.70	533.00	12.70	539.00	12.70	544.00	12.70	548.00	12.70	552.00	13.90	554.00	15.50	556.00	18.60	557.00	22.90
	1.5	507.00	17.40	522.00	17.40	530.00	17.40	538.00	17.40	543.00	17.40	548.00	18.60	551.00	20.20	554.00	23.30	555.00	27.60
	2.0	492.00	22.10	511.00	22.10	522.00	22.10	532.00	22.10	539.00	22.10	545.00	23.20	549.00	24.90	552.00	27.90	554.00	32.20
	2.5	478.00	26.70	501.00	26.70	514.00	26.70	526.00	26.70	534.00	26.70	542.00	27.90	546.00	29.50	550.00	32.60	553.00	36.90
	3.0	465.00	31.40	491.00	31.40	506.00	31.40	520.00	31.40	530.00	31.40	539.00	32.60	545.00	34.20	549.00	37.90	552.00	41.60
	3.5	451.00	36.10	481.00	36.10	499.00	36.10	514.00	36.10	526.00	36.10	536.00	37.20	542.00	38.90	547.00	41.90	550.00	46.20
4.0			472.00	40.70	491.00	40.70	509.00	40.70	522.00	40.70	533.00	41.90	540.00	43.50	546.00	46.60	549.00	50.90	
280 - 54	0.5	713.00	9.62	722.00	9.62	727.00	9.62	732.00	9.62	736.00	9.62	739.00	10.80	740.00	12.40	742.00	15.50	743.00	19.80
	1.0	686.00	15.80	703.00	15.80	712.00	15.80	721.00	15.80	727.00	15.80	733.00	17.00	736.00	18.60	739.00	21.70	741.00	26.00
	1.5	661.00	22.10	685.00	22.10	698.00	22.10	710.00	22.10	719.00	22.10	727.00	23.20	732.00	24.90	736.00	27.90	739.00	32.20
	2.0	638.00	28.30	668.00	28.30	685.00	28.30	700.00	28.30	712.00	28.30	722.00	29.40	728.00	31.10	733.00	34.10	736.00	38.40
	2.5	615.00	34.50	651.00	34.50	673.00	34.50	691.00	34.50	705.00	34.50	717.00	35.60	724.00	37.30	731.00	40.40	734.00	44.60
	3.0			636.00	40.70	660.00	40.70	682.00	40.70	698.00	40.70	712.00	41.50	720.00	43.50	728.00	46.60	733.00	50.90
	3.5					648.00	46.90	673.00	46.90	691.00	46.90	707.00	48.10	717.00	49.70	726.00	52.80	731.00	57.10
4.0					637.00	53.10	664.00	53.10	685.00	53.10	702.00	54.30	713.00	55.90	723.00	59.00	729.00	63.30	
440 - 40	0.5	671.00	10.80	677.00	10.80	680.00	10.80	683.00	10.80	685.00	10.80	687.00	12.50	688.00	14.70	690.00	19.30	690.00	25.80
	1.0	654.00	16.50	664.00	16.50	670.00	16.50	676.00	16.50	680.00	16.50	683.00	18.30	685.00	20.50	687.00	25.10	689.00	31.50
	1.5	638.00	22.30	653.00	22.30	662.00	22.30	669.00	22.30	675.00	22.30	680.00	24.10	683.00	26.30	686.00	30.90	687.00	37.30
	2.0	623.00	28.10	642.00	28.10	653.00	28.10	663.00	28.10	670.00	28.10	676.00	29.80	680.00	32.00	684.00	36.60	686.00	43.10
	2.5	603.00	33.80	632.00	33.80	645.00	33.80	657.00	33.90	666.00	33.80	673.00	35.60	678.00	37.80	682.00	42.40	685.00	48.80
	3.0	594.00	39.60	622.00	39.60	637.00	39.60	651.00	39.60	661.00	39.60	670.00	41.40	675.00	43.60	681.00	48.20	683.00	54.60
	3.5	581.00	45.40	612.00	45.40	629.00	45.40	645.00	45.40	657.00	45.40	667.00	47.10	673.00	49.30	679.00	53.90	682.00	60.60
4.0	567.00	51.10	602.00	51.10	622.00	51.10	639.00	51.10	653.00	51.10	664.00	52.90	671.00	55.10	677.00	59.70	681.00	66.10	
440 - 46	0.5	855.00	12.40	863.00	12.40	868.00	12.40	872.00	12.40	875.00	12.40	878.00	14.10	879.00	16.30	881.00	20.90	881.00	27.40
	1.0	832.00	19.70	846.00	19.70	855.00	19.70	862.00	19.70	867.00	19.70	872.00	21.50	875.00	23.70	878.00	28.30	879.00	34.70
	1.5	810.00	27.10	831.00	27.10	842.00	27.10	853.00	27.10	861.00	27.10	867.00	28.90	871.00	31.10	875.00	35.70	878.00	42.10
	2.0	789.00	34.50	816.00	34.50	831.00	34.50	844.00	34.50	854.00	34.50	863.00	36.20	868.00	38.40	873.00	43.00	876.00	49.50
	2.5	770.00	41.80	801.00	41.80	820.00	41.80	836.00	41.80	848.00	41.80	859.00	43.60	865.00	46.80	871.00	50.40	874.00	56.80
	3.0	750.00	49.20	788.00	49.20	809.00	49.20	828.00	49.20	842.00	49.20	854.00	51.00	861.00	53.20	868.00	57.80	872.00	64.20
	3.5	732.00	56.60	774.00	56.60	799.00	56.60	820.00	56.60	836.00	56.40	850.00	58.30	858.00	60.50	866.00	65.10	871.00	71.60
4.0			761.00	63.90	788.00	63.90	812.00	63.90	830.00	63.90	846.00	65.70	855.00	67.90	864.00	72.50	869.00	78.90	
440 - 52	0.5	993.00	13.70	1006.00	13.70	1014.00	13.70	1020.00	13.70	1025.00	13.70	1030.00	15.40	1032.00	17.60	1035.00	22.20	1036.00	28.70
	1.0	956.00	22.30	979.00	22.30	993.00	22.30	1005.00	22.30	1014.00	22.30	1021.00	24.10	1026.00	26.30	1030.00	30.90	1033.00	37.30
	1.5	922.00	31.00	954.00	31.00	973.00	31.00	990.00	31.00	1003.00	31.00	1014.00	32.80	1020.00	35.00	1026.00	39.60	1030.00	46.00
	2.0	889.00	39.70	931.00	39.70	955.00	39.70	976.00	39.70	992.00	39.70	1006.00	41.40	1014.00	43.60	1022.00	48.20	1027.00	54.70
	2.5	857.00	48.30	906.00	48.30	937.00	48.30	963.00	48.30	982.00	48.30	999.00	50.10	1009.00	52.30	1019.00	56.90	1024.00	63.30
	3.0			886.00	57.00	920.00	57.00	950.00	57.00	973.00	57.00	992.00	58.80	1004.00	61.00	1015.00	65.60	1021.00	72.00
	3.5			854.00	65.70	903.00	65.70	937.00	65.70	963.00	65.70	986.00	67.40	999.00	69.60	1012.00	74.20	1019.00	80.70
4.0					887.00	74.30	925.00	74.30	954.00	74.30	979.00	76.10	994.00	78.50	1008.00	82.90	1016.00	89.30	
440 - 54	0.5	1113.00	14.70	1126.00	14.70	1134.00	14.70	1140.00	14.70	1145.00	14.70	1150.00	16.40	1152.00	18.60	1155.00	23.20	1156.00	29.70
	1.0	1076.00	24.30	1099.00	24.30	1113.00	24.30	1125.00	24.30	1134.00	24.30	1141.00	26.10	1146.00	28.30	1150.00	32.90	1153.00	39.30
	1.5	1042.00	34.00	1074.00	34.00	1093.00	34.00	1110.00	34.00	1123.00	34.00	1134.00	35.80	1140.00	38.00	1146.00	42.60	1150.00	49.00
	2.0	1009.00	43.70	1051.00	43.70	1075.00	43.70	1096.00	43.70	1112.00	43.70	1126.00	45.40	1134.00	47.60	1142.00	52.20	1147.00	58.70
	2.5	977.00	53.30	1028.00	53.30	1057.00	53.30	1083.00	53.30	1102.00	53.30	1119.00	55.10	1129.00	57.30	1139.00	61.90	1144.00	68.30
	3.0			1006.00	63.00	1040.00	63.00	1070.00	63.00	1093.00	63.00	1112.00	64.80	1124.00	67.00	1135.00	71.60	1141.00	78.00
	3.5					1023.00	72.70	1057.00	72.70	1083.00	72.70	1106.00	74.40	1119.00	76.60	1132.00	81.20	1139.00	87.70
4.0					1007.00	82.30	1045.00	82.30	1074.00	82.30	1099.00	84.10	1114.00	86.30	1128.00	90.00	1136.00	97.30	
660 - 40	0.5	1048.00	16.20	1055.00	16.20	1060.00	16.20	1064.00	16.20	1067.00	16.20	1070.00	18.70	1071.00	21.80	1073.00	28.70	1074.00	37.80
	1.0	1025.00	25.10	1039.00	25.10	1047.00	25.10	1054.00	25.10	1060.00	25.10	1065.00	27.70	1067.00	30.70	1070.00	37.70	1072.00	48.80
	1.5	1004.00	34.10	1024.00	34.10	1035.00	34.10	1046.00	34.10	1053.00	34.10	1060.00	36.60	1064.00	39.70	1068.00	46.60	1070.00	55.70
	2.0	984.00	43.10	1009.00	43.10	1024.00	43.10	1037.00	43.10	1047.00	43.10	1055.00	45.60	1060.00	48.70	1065.00	55.60	1068.00	64.70
	2.5	964.00	52.00	995.00	52.00	1013.00	52.00	1029.00	52.00	1041.00	52.00	1051.00	54.60	1057.00	57.60	1063.00	64.60	1066.00	73.70
	3.0	945.00	61.00	982.00	61.00	1002.00	61.00	1021.00</											

STN SERIES THREE-SPINDLE SCREW PUMP PERFORMANCE DATA
Speed n=2900r/pm

Pump Size	Delivery Pressure (Mpa)	Viscosity mm ² /s																	
		3		6		12		20		40		75		150		380		760	
		Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power	Capacity	Shaft Power
		(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)	(m ³ /h)	(kW)
660 - 44	0.5	1181.00	17.40	1192.00	17.40	1198.00	17.40	1204.00	17.40	1208.00	17.40	1211.00	19.90	1213.00	23.00	1215.00	29.90	1217.00	39.00
	1.0	1150.00	27.50	1169.00	27.50	1181.00	27.50	1190.00	27.50	1198.00	27.50	1204.00	30.10	1208.00	33.10	1212.00	40.10	1214.00	49.20
	1.5	1121.00	37.70	1148.00	37.70	1164.00	37.70	1178.00	37.70	1189.00	37.70	1198.00	4.20	1203.00	43.30	1208.00	50.20	1211.00	59.30
	2.0	1093.00	47.90	1129.00	47.90	1149.00	47.90	1167.00	47.90	1180.00	47.90	1192.00	50.40	1190.00	53.50	1205.00	60.40	1209.00	69.50
	2.5	1067.00	58.00	1110.00	58.00	1134.00	58.00	1156.00	58.00	1172.00	58.00	1186.00	60.60	1194.00	63.60	1202.00	70.60	1206.00	79.70
	3.0	1041.00	68.20	1091.00	68.20	1120.00	68.20	1145.00	68.20	1164.00	68.20	1180.00	70.70	1190.00	73.90	1199.00	80.70	1204.00	89.80
	3.5			1073.00	78.40	1105.00	78.40	1134.00	78.40	1156.00	78.40	1174.00	80.90	1185.00	84.00	1196.00	90.90	1202.00	100.00
	4.0			1055.00	88.50	1092.00	88.50	1124.00	88.50	1148.00	88.50	1169.00	91.10	1181.00	94.10	1193.00	101.00	1200.00	110.00
660 - 46	0.5	1281.00	18.20	1292.00	18.20	1298.00	18.20	1304.00	18.20	1308.00	18.20	1311.00	20.70	1313.00	23.80	1315.00	30.70	1317.00	39.80
	1.0	1250.00	29.20	1269.00	29.20	1281.00	29.20	1290.00	29.20	1298.00	29.20	1304.00	31.70	1308.00	34.80	1312.00	41.70	1314.00	50.80
	1.5	1221.00	40.20	1246.00	40.20	1264.00	40.20	1278.00	40.20	1289.00	40.20	1298.00	42.70	1303.00	45.90	1308.00	52.70	1311.00	61.80
	2.0	1193.00	51.20	1229.00	51.20	1249.00	51.20	1267.00	51.20	1280.00	51.20	1292.00	53.70	1299.00	56.80	1305.00	63.70	1309.00	72.80
	2.5	1167.00	62.20	1210.00	62.20	1234.00	62.20	1256.00	62.20	1272.00	62.20	1286.00	64.70	1294.00	67.80	1302.00	74.70	1306.00	83.80
	3.0	1141.00	73.20	1191.00	73.20	1220.00	73.20	1245.00	73.20	1264.00	73.20	1280.00	75.70	1290.00	78.80	1299.00	85.70	1304.00	94.80
	3.5			1173.00	84.20	1205.00	84.20	1234.00	84.20	1256.00	84.20	1274.00	86.70	1285.00	89.80	1296.00	96.70	1302.00	106.00
	4.0			1055.00	88.50	1092.00	88.50	1124.00	88.50	1148.00	88.50	1169.00	91.10	1181.00	94.10	1193.00	101.00	1200.00	110.00
940 - 42	0.5	1516.00	23.40	1530.00	23.40	1538.00	23.40	1545.00	23.40	1550.00	23.40	1555.00	26.90	1558.00	31.00	1560.00	40.70	1562.00	53.10
	1.0	1475.00	36.40	1500.00	36.40	1515.00	36.40	1528.00	36.40	1537.00	36.40	1546.00	39.90	1551.00	44.10	1555.00	53.80	1558.00	66.10
	1.5	1438.00	49.50	1473.00	49.50	1494.00	49.50	1512.00	49.50	1526.00	49.50	1537.00	53.00	1544.00	57.10	1551.00	66.80	1555.00	79.20
	2.0	1403.00	62.50	1448.00	62.50	1474.00	62.50	1497.00	62.50	1514.00	62.50	1530.00	66.00	1538.00	70.20	1547.00	79.90	1552.00	92.20
	2.5	1368.00	75.60	1423.00	75.60	1455.00	75.60	1483.00	75.60	1504.00	75.60	1522.00	79.10	1533.00	83.20	1543.00	92.90	1549.00	105.00
	3.0	1335.00	88.60	1399.00	88.60	1436.00	88.60	1469.00	88.60	1493.00	88.50	1515.00	92.10	1527.00	96.30	1539.00	106.00	1546.00	118.00
	3.5	1303.00	102.00	1376.00	102.00	1418.00	102.00	1455.00	102.00	1483.00	102.00	1507.00	105.00	1521.00	109.00	1535.00	119.00	1543.00	131.00
	4.0			1353.00	115.00	1400.00	115.00	1442.00	115.00	1473.00	115.00	1500.00	118.00	1516.00	122.00	1532.00	132.00	1540.00	144.00
940 - 46	0.5	1830.00	26.00	1844.00	26.00	1852.00	26.00	1859.00	26.00	1864.00	26.00	1869.00	29.50	1872.00	33.60	1874.00	43.30	1876.00	55.70
	1.0	1789.00	41.70	1814.00	41.70	1829.00	41.70	1842.00	41.70	1851.00	41.70	1860.00	45.20	1865.00	49.30	1869.00	59.00	1872.00	71.30
	1.5	1752.00	57.50	1787.00	57.90	1806.00	57.30	1826.00	57.30	1840.00	57.30	1851.00	60.80	1858.00	65.00	1865.00	74.70	1869.00	87.00
	2.0	1717.00	73.00	1762.00	73.00	1788.00	73.00	1811.00	73.00	1829.00	73.00	1846.00	76.50	1852.00	80.60	1861.00	90.30	1866.00	103.00
	2.5	1682.00	88.70	1737.00	88.70	1769.00	88.70	1797.00	88.70	1818.00	88.70	1836.00	92.20	1847.00	96.30	1857.00	106.00	1863.00	118.00
	3.0	1649.00	104.00	1713.00	104.00	1750.00	104.00	1783.00	104.00	1807.00	104.00	1829.00	108.00	1841.00	112.00	1853.00	122.00	1860.00	134.00
	3.5			1690.00	120.00	1732.00	120.00	1769.00	120.00	1797.00	120.00	1821.00	124.00	1836.00	128.00	1849.00	137.00	1857.00	150.00
	4.0			1667.00	136.00	1714.00	136.00	1756.00	135.00	1787.00	136.00	1814.00	139.00	1830.00	143.00	1846.00	153.00	1854.00	165.00
940 - 50	0.5	2060.00	28.20	2082.00	28.20	2095.00	28.20	2106.00	28.20	2115.00	28.20	2122.00	31.70	2126.00	35.80	2131.00	45.50	2133.00	57.80
	1.0	1995.00	46.00	2035.00	46.00	2058.00	46.00	2079.00	46.00	2094.00	46.00	2108.00	49.50	2116.00	53.60	2123.00	63.30	2127.00	75.70
	1.5	1935.00	63.80	1992.00	63.90	2025.00	63.80	2054.00	63.80	2075.00	63.80	2094.00	67.30	2105.00	71.50	2116.00	81.20	2122.00	93.50
	2.0	1879.00	81.70	1951.00	81.70	1993.00	81.70	2030.00	81.70	2057.00	81.70	2082.00	85.20	2096.00	89.30	2110.00	99.00	2117.00	111.00
	2.5	1824.00	99.50	1911.00	99.50	1962.00	99.50	2007.00	99.50	2040.00	99.50	2069.00	103.00	2087.00	107.00	2103.00	117.00	2112.00	129.00
	3.0			1873.00	117.00	1932.00	117.00	1984.00	117.00	2023.00	117.00	2058.00	121.00	2078.00	125.00	2097.00	135.00	2107.00	147.00
	3.5			1835.00	135.00	1903.00	135.00	1962.00	135.00	2007.00	135.00	2046.00	139.00	2069.00	143.00	2091.00	153.00	2103.00	165.00
	4.0					1875.00	153.00	1941.00	153.00	1991.00	153.00	2035.00	157.00	2060.00	161.00	2085.00	170.00	2098.00	183.00
1300 - 38	0.5	1810.00	29.60	1823.00	29.60	1830.00	29.60	1836.00	29.60	1841.00	29.60	1846.00	34.60	1848.00	39.60	1851.00	53.70	1852.00	69.50
	1.0	1773.00	45.10	1796.00	45.10	1809.00	45.10	1821.00	45.10	1830.00	45.10	1837.00	50.10	1842.00	55.10	1846.00	69.20	1849.00	84.90
	1.5	1738.00	60.50	1771.00	60.50	1790.00	60.50	1806.00	60.50	1819.00	60.50	1830.00	65.50	1836.00	70.60	1842.00	84.70	1849.00	100.00
	2.0	1705.00	76.00	1747.00	76.00	1771.00	76.00	1793.00	76.00	1809.00	76.00	1822.00	81.00	1831.00	86.00	1839.00	100.00	1846.00	116.00
	2.5	1674.00	91.50	1725.00	91.50	1754.00	91.50	1779.00	91.50	1799.00	91.50	1815.00	96.50	1825.00	101.00	1835.00	116.00	1843.00	131.00
	3.0	1644.00	107.00	1703.00	107.00	1736.00	107.00	1766.00	107.00	1789.00	107.00	1809.00	112.00	1820.00	117.00	1831.00	131.00	1840.00	147.00
	3.5	1614.00	122.00	1681.00	122.00	1720.00	122.00	1754.00	122.00	1780.00	122.00	1802.00	127.00	1815.00	132.00	1828.00	147.00	1837.00	162.00
	4.0	1585.00	138.00	1660.00	138.00	1703.00	138.00	1742.00	138.00	1771.00	138.00	1796.00	143.00	1810.00	148.00	1824.00	162.00	1835.00	178.00
1300 - 42	0.5	2157.00	32.60	2174.00	32.60	2184.00	32.60	2193.00	32.60	2200.00	32.60	2206.00	37.60	2209.00	42.70	2213.00	56.80	2217.00	72.50
	1.0	2106.00	51.10	2138.00	51.10	2156.00	51.10	2172.00	51.10	2184.00	51.10	2195.00	56.10	2201.00	61.20	2207.00	75.30	2214.00	91.00
	1.5	2059.00	69.90	2104.00	69.60	2129.00	69.60	2152.00	69.60	2169.00	69.60	2184.0							

MODEL SELECTION:

MODEL SELECTION TABLE										
STN	*	*	*	*	*	*	*	*	*	*
SIZE	40		Follow and select the model as per required specifications from the given data table of each type of pump							
	80									
	120									
	210									
	280									
	440									
	660									
	940									
	1300									
	1700									
	2200									
	3200									
	3600									
	3900									
	5300									
ROTATION	R		(CW) Clockwise							
	L		(CCW) Counter Clockwise							
PITCH ANGLE	36		36 Degree							
	38		38 Degree							
	40		40 Degree							
	41		41 Degree							
	42		42 Degree							
	44		44 Degree							
	46		46 Degree							
	51		51 Degree							
	54		54 Degree							
INSTALLATIONS	H		Horizontal Foot Mounted							
	F		Flange mounted							
	S		Vertical Pedestal Mounted							
	E		Cartridge Unit							
	T		cartridge unit pump, To be push in from suction sidewith throttle bush							
	G		Gear mounted pump without shaft sealing U turn longitudinal							
BEARING TYPE	G		Internal							
	H		External							
SEAL TYPE	M		Internal ball bearing & Mechanical seal for upto for upto 80C							
	E		External bearing and packing seal for upto 150C for Viscouse fluid							
	P		External bearing and packing seal for upto 150C							
CASING	X		Standard without heating jacket							
	Y		With heating jacket							
MATERIAL CODE	W0		Casing-HT200, Insert-HT200							
	W1		Casing-HT200, Insert Special Moduler cast Iron							
	W2		Casing-HT200, Insert-ZL109 Cast AL							
	W3		Casing-QT450 Moduler CI, Insert-ZL-109 Cast AL							
	W5		Casing-QT450 Moduler CI, Insert- Special Moduler CI							
	W21		Casing-HT200, Insert-ZCuSn5Pb5Zn5 (Special Bronze)							
	W23		Casing-QT450, Insert-ZCuSn5Pb5Zn5 (Special Bronze)							
	W29		Casing-20-Weldmet, Insert-ZCuSn5Pb5Zn5 (Model:5300 only)							
DRIVE	S		Direct Coupled							
	E		Geared Reducer							

Contact Us

Business Hours
 ☎ Weekdays: 8.30AM to 5.30PM
 Weekends: Closed
 ✉ enquiry@spewpumps.com
 PT14515, Persiaran Batu Gajah
 Perdan 8, Taman Perindustrian Batu
 Gajah Perdan, 31550, Perak,
 Malaysia