



22 East Lake Crescent NE
 Airdrie, Alberta, Canada
 T4A 2H3
 587-775-7777
 sales@spirasystems.com

Conventional Performance Summary

Model	Size	Lobes	Stages	Tube OD (in)	Tube ID (in)	Stator Length (in)	Compatibility				Bit Speed (rev/gal) [rev/l]	Max Off Bottom Speed (RPM)	Optimal Flow Range (GPM) [lpm]	Max Flow Limit (GPM) [lpm]	Power (HP) [kW]	Max Motor Pressure (psi) [kPa]	Max Torque Limit (ft-lb) [N-m]	Stall Torque (ft-lb) [N-m]
							Dyna-Drill	BasinTek	Weatherford	NOV (Legacy R&M)								
SPS500566.7	5.00"	5/6	6.7	5.00	4.00	250.0		x			0.630 [0.166]	220	150-350 [570-1330]	350 [1330]	220 [165]	1650 [11390]	6650 [9000]	8800 [11900]
SPS475568.3	4.75"	5/6	8.3	4.75	3.75	242.6	x	x	x	x	1.000 [0.264]	300	100-300 [380-1140]	300 [1140]	240 [180]	2045 [14110]	5275 [7100]	7000 [9500]
SPS500568.3	5.00"	5/6	8.3	5.00	3.75	242.6	x	x	x	x	1.000 [0.264]	300	100-300 [380-1140]	300 [1140]	240 [180]	2045 [14110]	5275 [7100]	7000 [9500]
SPS500678.0	5.00"	6/7	8	5.00	4.00	250.0	x	x	x	x	0.810 [0.214]	280	160-350 [610-1330]	350 [1330]	265 [200]	1975 [13600]	6275 [8500]	8300 [11300]
SPS500679.0	5.00"	6/7	9	5.00	4.00	250.0		x			0.850 [0.225]	300	150-350 [570-1330]	350 [1330]	290 [215]	2220 [15300]	6475 [8800]	8600 [11600]
SPS475783.7	4.75"	7/8	3.7	4.75	4.00	235.0	x	x	x		0.368 [0.097]	130	150-350 [570-1330]	350 [1330]	120 [90]	910 [6290]	6300 [8500]	8350 [11300]
SPS500783.7	5.00"	7/8	3.7	5.00	4.00	235.0	x	x	x		0.368 [0.097]	130	150-350 [570-1330]	350 [1330]	120 [90]	910 [6290]	6300 [8500]	8350 [11300]
SPS475783.8	4.75"	7/8	3.8	4.75	3.75	187.0	x	x	x	x	0.521 [0.138]	130	150-250 [570-950]	300 [1140]	95 [70]	935 [6460]	4875 [6600]	6450 [8700]
SPS500783.8	5.00"	7/8	3.8	5.00	3.75	187.0	x	x	x	x	0.521 [0.138]	130	150-250 [570-950]	300 [1140]	95 [70]	935 [6460]	4875 [6600]	6450 [8700]
SPS475785.0	4.75"	7/8	5	4.75	3.88	198.0		x	x		0.630 [0.166]	190	150-300 [570-1140]	300 [1140]	110 [85]	1235 [8500]	3925 [5300]	5200 [7100]
SPS500785.0	5.00"	7/8	5	5.00	3.88	198.0		x	x		0.630 [0.166]	190	150-300 [570-1140]	300 [1140]	110 [85]	1235 [8500]	3925 [5300]	5200 [7100]
SPS500786.4	5.00"	7/8	6.4	5.00	3.88	235.0			x		0.630 [0.166]	190	150-300 [570-1140]	300 [1140]	165 [125]	1580 [10880]	5850 [7900]	7750 [10500]
SPS500896.0	5.00"	8/9	6	5.00	4.00	250.0			x		0.510 [0.135]	180	200-350 [760-1330]	350 [1330]	190 [145]	1480 [10200]	7250 [9800]	9600 [13000]
SPS500785.7	5.00"	7/8	5.7	5.00	4.00	250.0					0.522 [0.138]	190	200-400 [760-1520]	400 [1520]	245 [180]	1405 [9690]	7750 [10500]	10250 [13900]
SPS513785.7	5.13"	7/8	5.7	5.13	4.00	250.0					0.522 [0.138]	190	200-400 [760-1520]	400 [1520]	245 [180]	1405 [9690]	7750 [10500]	10250 [13900]

Performance tables are for reference only. Actual power section performance may vary depending on operating conditions (e.g. chosen rotor/stator interference fit, possible rubber swelling by drilling fluid, rotor and stator wear, actual downhole temperature, actual stator temperature, physical and chemical properties of the drilling fluid and other factors encountered downhole). The torque may exceed that specified for the connected components. Operating above the recommended limits may result in damage to the power section and connected components which will be the liability of the operator. Data subject to change without notice. Please visit www.spirasystems.com for most recent information.



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Conventional Performance Summary cont'd

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							Dyna-Drill	BasinTek	Weatherford	NOV (Legacy R&M)								
SPS625784.8	6.25"	7/8	4.8	6.25	5.00	203.5	x	x	x	x	0.330 [0.087]	130	150-400 [570-1520]	500 [1900]	190 [140]	1185 [8160]	9450 [12800]	12500 [16900]
SPS650784.8	6.50"	7/8	4.8	6.50	5.00	203.5	x	x	x	x	0.330 [0.087]	150	150-450 [570-1710]	500 [1900]	210 [160]	1185 [8160]	9450 [12800]	12500 [16900]
SPS660675.0	6.60"	6/7	5	6.60	5.50	200.0	x	x	x	x	0.292 [0.077]	180	300-600 [1140-2280]	625 [2370]	270 [200]	1235 [8500]	10250 [13900]	13550 [18400]
SPS675675.0	6.75"	6/7	5	6.75	5.50	200.0	x	x	x	x	0.292 [0.077]	180	300-600 [1140-2280]	625 [2370]	270 [200]	1235 [8500]	10250 [13900]	13550 [18400]
SPS675785.0	6.75"	7/8	5	6.75	5.50	194.5	x	x	x	x	0.288 [0.076]	170	300-600 [1140-2280]	600 [2280]	295 [220]	1235 [8500]	11475 [15500]	15150 [20600]
SPS660785.0	6.60"	7/8	5	6.60	5.50	194.5	x	x	x	x	0.288 [0.076]	170	300-600 [1140-2280]	600 [2280]	295 [220]	1235 [8500]	11475 [15500]	15150 [20600]
SPS660786.0	6.60"	7/8	6	6.60	5.50	235.0	x	x	x		0.270 [0.071]	160	300-600 [1140-2280]	630 [2390]	325 [240]	1480 [10200]	13400 [18200]	17750 [24100]
SPS675786.0	6.75"	7/8	6	6.75	5.50	235.0	x	x	x		0.270 [0.071]	160	300-600 [1140-2280]	630 [2390]	325 [240]	1480 [10200]	13400 [18200]	17750 [24100]
SPS675785.7	6.75"	7/8	5.7	6.75	5.50	260.0	x	x	x	x	0.242 [0.064]	150	300-600 [1140-2280]	700 [2650]	325 [245]	1405 [9690]	15025 [20400]	19900 [27000]
SPS660785.7	6.60"	7/8	5.7	6.60	5.50	260.0	x	x	x	x	0.242 [0.064]	150	300-600 [1140-2280]	700 [2650]	325 [245]	1405 [9690]	15025 [20400]	19900 [27000]
SPS6759108.0	6.75"	9/10	8	6.75	5.50	260.0			x		0.270 [0.071]	190	400-700 [1520-2650]	700 [2650]	505 [375]	1975 [13600]	17950 [24300]	23750 [32200]
SPS700787.3	7.00"	7/8	7.3	7.00	5.75	275.0					0.266 [0.070]	200	300-750 [1140-2840]	750 [2840]	545 [405]	1800 [12410]	18050 [24500]	23900 [32400]
SPS800784.0	8.00"	7/8	4	8.00	6.25	203.2	x	x	x	x	0.166 [0.044]	150	400-900 [1520-3410]	900 [3410]	365 [275]	985 [6800]	16350 [22200]	21650 [29400]

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