



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 at Max (HP) [kW]	Max Motor Pressure (psi) [kPa]	Max Torque Limit (ft-lb) [N-m]	Stall Torque (ft-lb) [N-m]
							Dyna-Drill	Abaco	Weatherford	NOV (Legacy R&M)								
SPS313565.0	3.13"	5/6	5	3.13	2.63	106.0		x		x	2.640 [0.697]	530	80-200 [310-760]	200 [760]	165 [120]	1250 [8600]	1200 [1600]	1600 [2100]
SPS500566.7	5.00"	5/6	6.7	5.00	4.00	250.0		x			0.630 [0.166]	240	150-375 [570-1420]	375 [1420]	225 [170]	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]	210 [155]	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]	210 [155]	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]	235 [175]	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]	255 [190]	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]	105 [80]	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]	105 [80]	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]	110 [80]	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]	110 [80]	935 [6460]	4875 [6600]	6450 [8700]
SPS500784.5	5.00"	7/8	4.5	5.00	4.00	229.3	x	x			0.463 [0.122]	140	150-300 [570-1140]	320 [1220]	105 [80]	1110 [7650]	5750 [7800]	7600 [10300]
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]	100 [75]	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]	100 [75]	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]	145 [110]	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]	170 [130]	1480 [10200]	7250 [9800]	9600 [13000]

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							Dyna-Drill	Abaco	Weatherford	NOV (Legacy R&M)								
SPS475785.7	4.75"	7/8	5.7	4.75	4.00	250.0					0.522 [0.138]	190	200-370 [760-1410]	400 [1520]	185 [135]	1450 [9700]	6475 [8800]	8600 [11600]
SPS500785.7	5.00"	7/8	5.7	5.00	4.00	250.0					0.522 [0.138]	190	200-370 [760-1410]	400 [1520]	185 [135]	1450 [9700]	6475 [8800]	8600 [11600]
SPS513785.7	5.13"	7/8	5.7	5.13	4.00	250.0					0.522 [0.138]	190	200-370 [760-1410]	400 [1520]	185 [135]	1450 [9700]	6475 [8800]	8600 [11600]
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]	225 [165]	1200 [8200]	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]	130	150-400 [570-1520]	500 [1900]	225 [165]	1200 [8200]	9450 [12800]	12500 [16900]
SPS675457.0	6.75"	4/5	7	6.75	5.50	210.0	x	x	x	x	0.494 [0.131]	300	300-600 [1140-2280]	600 [2280]	360 [270]	1750 [12000]	9250 [12500]	12250 [16600]
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]	600 [2280]	235 [175]	1250 [8600]	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]	600 [2280]	235 [175]	1250 [8600]	10250 [13900]	13550 [18400]
SPS700785.0	7.00"	7/8	5	7.00	5.50	194.5	x	x	x	x	0.270 [0.071]	160	300-600 [1140-2280]	650 [2470]	265 [200]	1250 [8600]	11175 [15100]	14800 [20000]
SPS660785.0	6.60"	7/8	5	6.60	5.50	194.5	x	x	x	x	0.270 [0.071]	160	300-600 [1140-2280]	650 [2470]	265 [200]	1250 [8600]	11175 [15100]	14800 [20000]
SPS675785.0	6.75"	7/8	5	6.75	5.50	194.5	x	x	x	x	0.270 [0.071]	160	300-600 [1140-2280]	650 [2470]	265 [200]	1250 [8600]	11175 [15100]	14800 [20000]
SPS650786.0	6.50"	7/8	6	6.60	5.50	235.0	x	x	x		0.270 [0.071]	160	300-600 [1140-2280]	650 [2470]	320 [240]	1500 [10300]	13400 [18200]	17750 [24100]
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]	650 [2470]	320 [240]	1500 [10300]	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]	650 [2470]	320 [240]	1500 [10300]	13400 [18200]	17750 [24100]

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							Dyna-Drill	Abaco	Weatherford	NOV (Legacy R&M)								
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]	355 [265]	1450 [9700]	15025 [20400]	19900 [27000]
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]	355 [265]	1450 [9700]	15025 [20400]	19900 [27000]
SPS700785.7	7.00"	7/8	5.7	7.00	5.50	260.0	x	x	x	x	0.242 [0.064]	150	300-600 [1140-2280]	700 [2650]	355 [265]	1450 [9700]	15025 [20400]	19900 [27000]
SPS675786.4	6.75"	7/8	6.4	6.75	5.50	245.0	x	x		x	0.270 [0.071]	160	300-600 [1140-2280]	650 [2470]	340 [255]	1600 [10900]	14300 [19400]	18900 [25700]
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]	445 [335]	2000 [13700]	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]	460 [340]	1800 [12500]	17450 [23700]	23100 [31300]
SPS700788.5	7.00"	7/8	8.5	7.00	5.75	300.0	x				0.260 [0.069]	200	500-750 [1900-2840]	750 [2840]	525 [395]	2100 [14500]	20500 [27800]	27150 [36800]
SPS800784.0	8.00"	7/8	4	8.00	6.25	203.2	x	x	x	x	0.155 [0.041]	140	400-900 [1520-3410]	900 [3410]	285 [215]	1000 [6900]	15550 [21100]	20600 [27900]
SPS800785.9	8.00"	7/8	5.9	8.00	6.25	300.0	x	x			0.155 [0.041]	140	400-900 [1520-3410]	900 [3410]	420 [315]	1500 [10100]	22950 [31100]	30350 [41200]

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