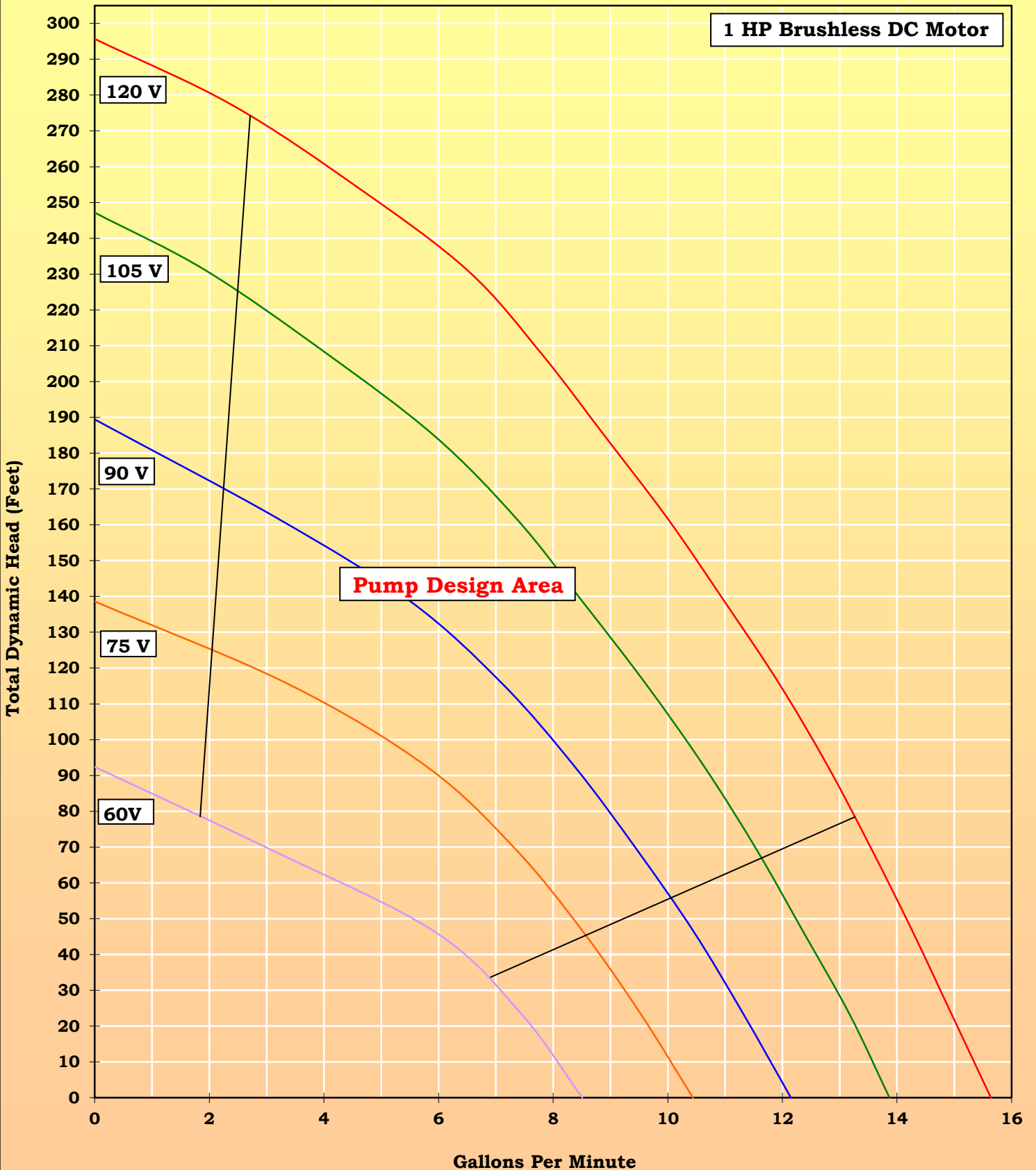


SunPumps Brushless DC Submersible Model SCS 9-180-120Y BL

120 Volt Panel Direct

1 HP Brushless DC Motor



SunPumps Brushless DC Submersible Model SCS 9-180-120Y BL

120 V Brushless DC Motor

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	60	2.67	8.5	32.2	160	200	0%
10	23	7.0	60	2.75	7.5	28.2	165	206	20%
20	46	14.1	60	2.81	6.0	22.5	169	211	31%
30	69	21.1	60	2.72	3.1	11.6	163	204	25%
40	92	28.2	60	2.31	0.0	0.0	139	173	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	75	3.56	10.4	39.5	267	334	0%
10	23	7.0	75	3.69	9.5	36.1	277	346	15%
20	46	14.1	75	3.74	8.5	32.3	281	351	26%
30	69	21.1	75	3.80	7.4	27.8	285	356	34%
40	92	28.2	75	3.73	5.8	22.0	280	350	36%
50	116	35.2	75	3.47	3.4	12.8	260	325	28%
60	139	42.3	75	2.85	0.0	0.0	214	267	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	90	4.40	12.2	46.0	396	495	0%
10	23	7.0	90	4.49	11.3	42.9	404	505	12%
20	46	14.1	90	4.58	10.5	39.6	412	515	22%
30	69	21.1	90	4.66	9.5	35.8	419	524	29%
40	92	28.2	90	4.69	8.4	31.7	422	528	35%
50	116	35.2	90	4.63	7.1	26.9	417	521	37%
60	139	42.3	90	4.46	5.5	20.9	401	502	36%
70	162	49.3	90	4.13	3.2	12.1	372	465	26%
82	189	57.8	90	3.60	0.0	0.0	324	405	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	105	5.42	13.9	52.5	569	711	0%
10	23	7.0	105	5.50	13.2	49.9	578	722	10%
20	46	14.1	105	5.61	12.4	46.8	589	736	18%
30	69	21.1	105	5.71	11.6	43.7	600	749	25%
40	92	28.2	105	5.73	10.6	40.3	602	752	31%
50	116	35.2	105	5.77	9.6	36.4	606	757	35%
60	139	42.3	105	5.72	8.5	32.2	601	751	37%
70	162	49.3	105	5.66	7.4	27.9	594	743	38%
80	185	56.3	105	5.43	5.9	22.4	570	713	36%
90	208	63.4	105	5.14	4.0	15.3	540	675	29%
100	231	70.4	105	4.62	1.9	7.3	485	606	17%
107	247	75.4	105	3.94	0.0	0.0	414	517	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	120	6.41	15.6	59.2	769	962	0%
10	23	7.0	120	6.55	15.0	56.6	786	983	8%
20	46	14.1	120	6.65	14.3	54.0	798	998	16%
30	69	21.1	120	6.71	13.6	51.3	805	1007	22%
40	92	28.2	120	6.77	12.8	48.4	812	1016	27%
50	116	35.2	120	6.82	12.0	45.2	818	1023	32%
60	139	42.3	120	6.86	11.0	41.6	823	1029	35%
70	162	49.3	120	6.80	10.0	37.9	816	1020	37%
80	185	56.3	120	6.75	8.9	33.7	810	1013	38%
90	208	63.4	120	6.65	7.8	29.5	798	998	38%
100	231	70.4	120	6.47	6.5	24.6	776	971	36%
110	254	77.5	120	6.25	4.6	17.4	750	938	29%
120	277	84.5	120	5.93	2.4	9.1	712	890	18%
128	296	90.1	120	5.46	0.0	0.0	655	819	0%

* Solar Array watts using a 20% deration factor.