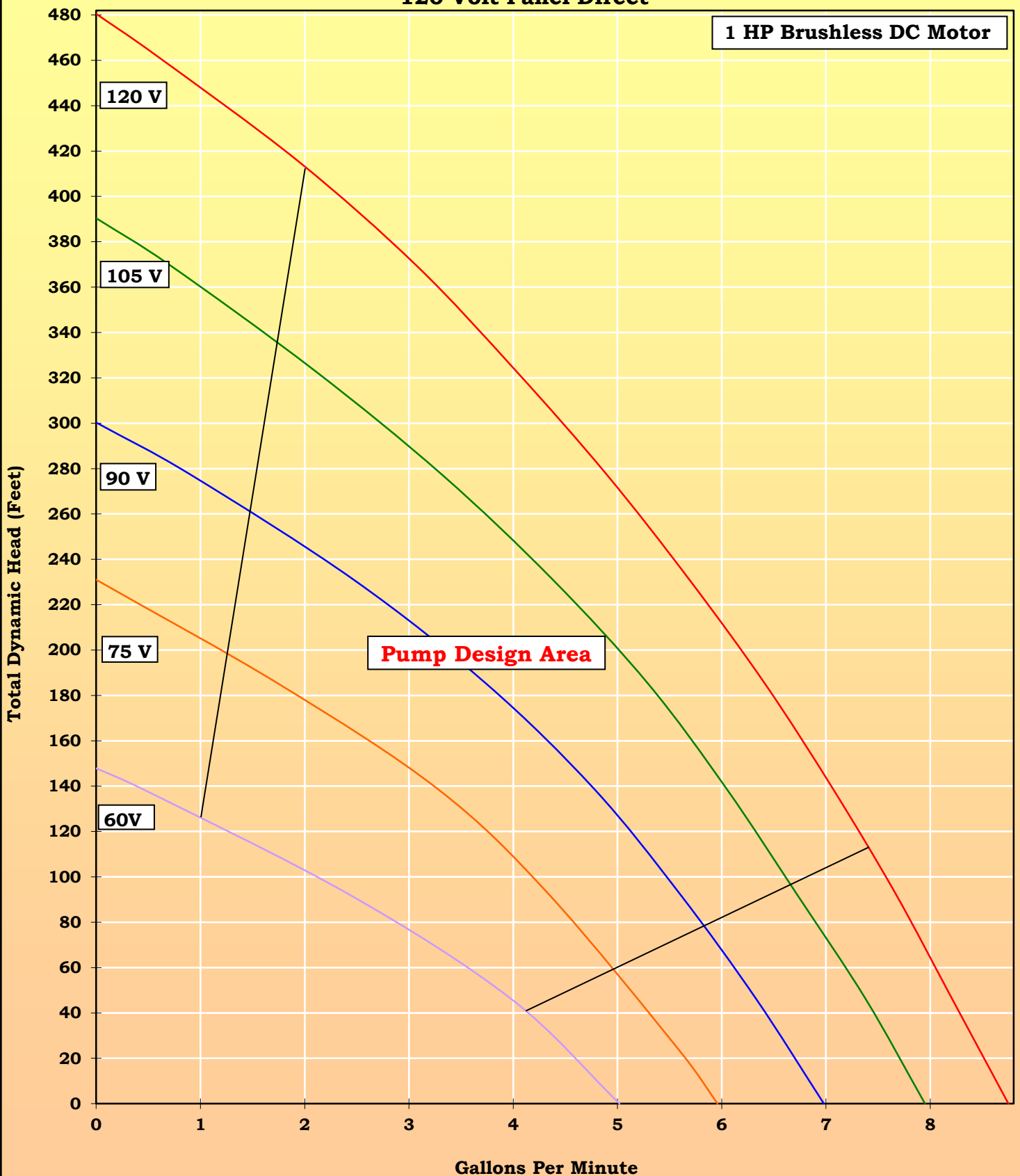


SunPumps Brushless DC Submersible Model SCS 5-270-120Y BL

120 Volt Panel Direct

1 HP Brushless DC Motor



SunPumps Brushless DC Submersible

Model SCS 5-270-120Y BL

1 HP 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	3.29	5.0	19.0	197	247	0%
20	46	14.1	60	3.28	4.0	15.1	197	246	18%
40	92	28.2	60	3.16	2.4	9.2	190	237	22%
60	139	42.3	60	2.62	0.5	1.7	157	197	7%
64	148	45.1	60	2.34	0.0	0.0	140	176	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	4.28	6.0	22.6	321	401	0%
10	23	7.0	75	4.28	5.6	21.2	321	401	8%
40	92	28.2	75	4.27	4.3	16.4	320	400	24%
60	139	42.3	75	4.15	3.3	12.4	311	389	28%
80	185	56.3	75	3.83	1.8	6.7	287	359	21%
100	231	70.4	75	3.00	0.0	0.0	225	281	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	5.37	7.0	26.4	483	604	0%
20	46	14.1	90	5.38	6.3	24.0	484	605	11%
40	92	28.2	90	5.39	5.6	21.2	485	606	20%
60	139	42.3	90	5.35	4.8	18.1	482	602	26%
80	185	56.3	90	5.21	3.8	14.2	469	586	28%
100	231	70.4	90	4.95	2.5	9.3	446	557	24%
120	277	84.5	90	4.21	0.9	3.4	379	474	13%
130	300	91.6	90	3.64	0.0	0.0	328	410	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	6.52	8.0	30.1	685	856	0%
20	46	14.1	105	6.53	7.4	27.9	686	857	9%
40	92	28.2	105	6.56	6.7	25.4	689	861	17%
60	139	42.3	105	6.57	6.1	22.9	690	862	23%
80	185	56.3	105	6.53	5.3	20.1	686	857	27%
100	231	70.4	105	6.41	4.4	16.6	673	841	28%
120	277	84.5	105	6.22	3.3	12.6	653	816	27%
140	323	98.6	105	5.80	2.1	7.9	609	761	21%
160	370	112.7	105	5.12	0.7	2.7	538	672	9%
169	390	119.0	105	4.57	0.0	0.0	480	600	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	7.74	8.8	33.1	929	1161	0%
20	46	14.1	120	7.73	8.2	31.1	928	1160	8%
40	92	28.2	120	7.73	7.7	29.0	928	1160	14%
60	139	42.3	120	7.74	7.1	26.8	929	1161	20%
80	185	56.3	120	7.72	6.4	24.3	926	1158	24%
100	231	70.4	120	7.68	5.7	21.5	922	1152	27%
120	277	84.5	120	7.56	4.9	18.5	907	1134	28%
140	323	98.6	120	7.34	4.0	15.2	881	1101	28%
160	370	112.7	120	7.01	3.1	11.6	841	1052	25%
180	416	126.8	120	6.53	1.9	7.3	784	980	19%
200	462	140.9	120	5.83	0.6	2.2	700	875	7%
208	480	146.5	120	5.44	0.0	0.0	653	816	0%

* Solar Array watts using a 20% deration factor.