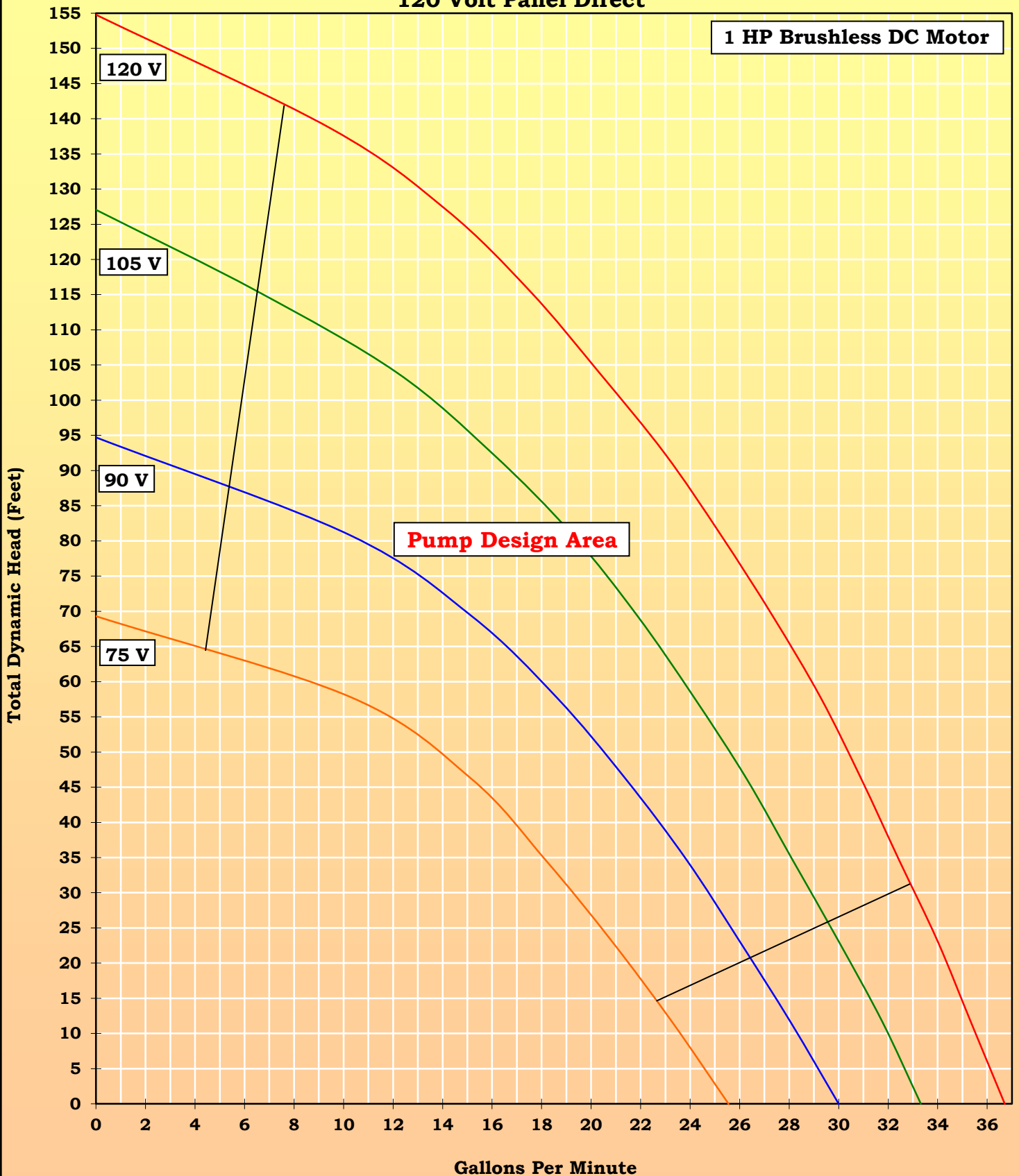


SunPumps Brushless DC Submersible Model SCS 20-105-120Y BL

120 Volt Panel Direct

1 HP Brushless DC Motor



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Model SCS 20-105-120Y 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	75	4.33	25.6	96.7	325	406	0%
5	12	3.5	75	4.33	23.3	88.2	325	406	16%
10	23	7.0	75	4.30	20.8	78.9	323	403	28%
15	35	10.6	75	4.18	18.2	68.7	314	392	38%
20	46	14.1	75	3.98	15.2	57.4	299	373	44%
25	58	17.6	75	3.63	10.3	39.1	272	340	41%
30	69	21.1	75	2.50	0.0	0.0	188	234	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	5.49	30.0	113.6	494	618	0%
5	12	3.5	90	5.50	28.1	106.2	495	619	12%
10	23	7.0	90	5.49	26.0	98.4	494	618	23%
15	35	10.6	90	5.45	23.9	90.3	491	613	32%
20	46	14.1	90	5.33	21.4	81.0	480	600	39%
25	58	17.6	90	5.14	18.6	70.4	463	578	44%
30	69	21.1	90	4.85	15.2	57.5	437	546	45%
35	81	24.6	90	4.27	10.2	38.8	384	480	41%
41	95	28.9	90	3.10	0.0	0.0	279	349	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	6.6	33.3	126.1	693	866	0%
5	12	3.5	105	6.64	31.8	120.3	697	872	10%
10	23	7.0	105	6.67	30.0	113.6	700	875	19%
15	35	10.6	105	6.63	28.1	106.5	696	870	26%
20	46	14.1	105	6.58	26.3	99.5	691	864	33%
25	58	17.6	105	6.45	24.2	91.4	677	847	39%
30	69	21.1	105	6.29	21.9	82.8	660	826	43%
35	81	24.6	105	6.06	19.3	72.9	636	795	46%
40	92	28.2	105	5.76	16.0	60.6	605	756	46%
45	104	31.7	105	5.34	12.1	45.9	561	701	42%
50	116	35.2	105	4.56	6.5	24.6	479	599	30%
55	127	38.7	105	3.68	0.0	0.0	386	483	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	7.89	36.7	138.9	947	1184	0%
5	12	3.5	120	7.91	35.4	133.8	949	1187	8%
10	23	7.0	120	7.92	34.0	128.7	950	1188	16%
15	35	10.6	120	7.91	32.4	122.8	949	1187	22%
20	46	14.1	120	7.88	30.9	117.0	946	1182	28%
25	58	17.6	120	7.83	29.3	110.8	940	1175	34%
30	69	21.1	120	7.70	27.3	103.5	924	1155	39%
35	81	24.6	120	7.55	25.2	95.5	906	1133	42%
40	92	28.2	120	7.36	23.0	87.0	883	1104	45%
45	104	31.7	120	7.09	20.3	76.9	851	1064	47%
50	116	35.2	120	6.75	17.5	66.4	810	1013	47%
55	127	38.7	120	6.24	14.2	53.6	749	936	45%
60	139	42.3	120	5.72	9.5	35.9	686	858	36%
67	155	47.2	120	4.48	0.0	0.0	538	672	0%

* Solar Array watts using a 20% deration factor.