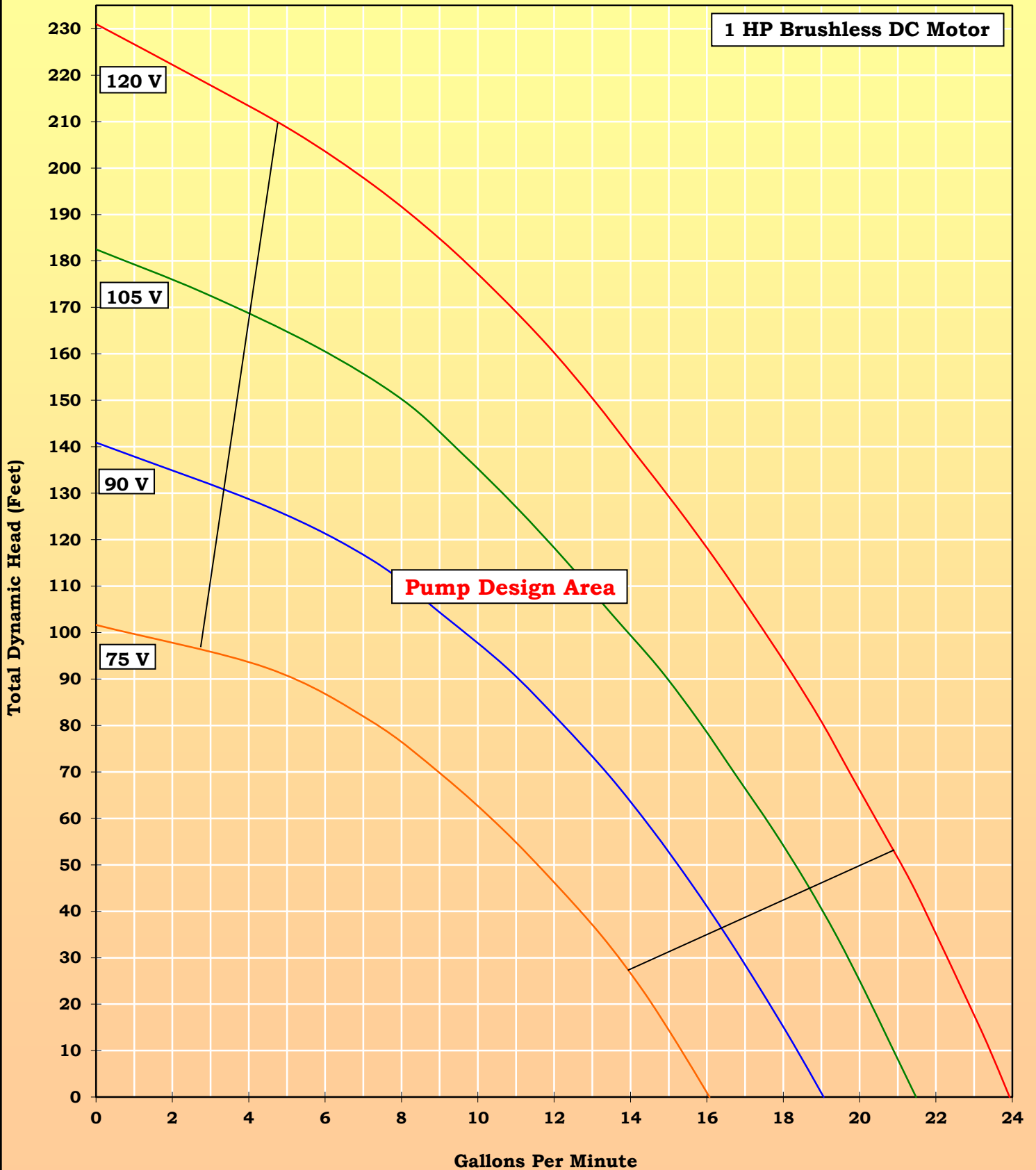


SunPumps Brushless DC Submersible Model SCS 12-160-120Y BL

120 Volt Panel Direct

1 HP Brushless DC Motor



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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	4.22	16.1	60.8	317	396	0%
5	12	3.5	75	4.20	15.2	57.6	315	394	11%
10	23	7.0	75	4.20	14.3	54.2	315	394	20%
15	35	10.6	75	4.19	13.3	50.2	314	393	28%
20	46	14.1	75	4.15	12.0	45.4	311	389	34%
25	58	17.6	75	4.05	10.6	40.3	304	380	38%
30	69	21.1	75	3.90	9.1	34.3	293	366	40%
35	81	24.6	75	3.70	7.2	27.3	278	347	40%
40	92	28.2	75	3.25	4.5	16.9	244	305	32%
44	102	31.0	75	2.35	0.0	0.0	176	220	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	5.32	19.1	72.1	479	599	0%
5	12	3.5	90	5.33	18.3	69.1	480	600	8%
10	23	7.0	90	5.33	17.4	65.9	480	600	16%
15	35	10.6	90	5.32	16.5	62.5	479	599	23%
20	46	14.1	90	5.31	15.6	58.9	478	597	28%
25	58	17.6	90	5.26	14.6	55.1	473	592	33%
30	69	21.1	90	5.24	13.4	50.8	472	590	37%
35	81	24.6	90	5.12	12.2	46.0	461	576	40%
40	92	28.2	90	4.97	10.8	40.7	447	559	42%
45	104	31.7	90	4.74	9.1	34.3	427	533	42%
50	116	35.2	90	4.42	7.3	27.4	398	497	40%
55	127	38.7	90	3.87	4.5	17.0	348	435	31%
61	141	43.0	90	2.92	0.0	0.0	263	329	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	6.46	21.5	81.3	678	848	0%
5	12	3.5	105	6.46	20.8	78.7	678	848	7%
10	23	7.0	105	6.46	20.1	76.2	678	848	13%
15	35	10.6	105	6.44	19.4	73.4	676	845	19%
20	46	14.1	105	6.45	18.6	70.4	677	847	24%
25	58	17.6	105	6.43	17.7	67.1	675	844	29%
30	69	21.1	105	6.40	16.8	63.4	672	840	33%
35	81	24.6	105	6.36	15.8	59.8	668	835	36%
40	92	28.2	105	6.27	14.7	55.8	658	823	39%
45	104	31.7	105	6.14	13.5	51.1	645	806	41%
50	116	35.2	105	6.01	12.3	46.6	631	789	42%
55	127	38.7	105	5.82	11.0	41.6	611	764	43%
60	139	42.3	105	5.64	9.6	36.3	592	740	42%
65	150	45.8	105	5.39	8.0	30.4	566	707	40%
70	162	49.3	105	4.88	5.7	21.7	512	641	34%
75	173	52.8	105	4.05	2.8	10.6	425	532	21%
79	182	55.6	105	3.48	0.0	0.0	365	457	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	7.68	23.9	90.6	922	1152	0%
5	12	3.5	120	7.70	23.3	88.3	924	1155	5%
10	23	7.0	120	7.72	22.7	85.9	926	1158	11%
15	35	10.6	120	7.71	22.0	83.4	925	1157	16%
20	46	14.1	120	7.70	21.4	80.8	924	1155	20%
25	58	17.6	120	7.68	20.6	77.9	922	1152	24%
30	69	21.1	120	7.65	19.8	74.9	918	1148	28%
35	81	24.6	120	7.60	19.0	71.9	912	1140	32%
40	92	28.2	120	7.58	18.1	68.6	910	1137	35%
45	104	31.7	120	7.52	17.2	65.1	902	1128	37%
50	116	35.2	120	7.44	16.2	61.5	893	1116	40%
55	127	38.7	120	7.31	15.2	57.6	877	1097	42%
60	139	42.3	120	7.18	14.1	53.4	862	1077	43%
65	150	45.8	120	7.03	13.0	49.3	844	1055	44%
70	162	49.3	120	6.84	11.8	44.8	821	1026	44%
75	173	52.8	120	6.62	10.5	39.7	794	993	43%
80	185	56.3	120	6.32	9.0	34.1	758	948	41%
85	196	59.9	120	6.00	7.3	27.5	720	900	37%
90	208	63.4	120	5.51	5.2	19.6	661	827	31%
95	219	66.9	120	4.93	2.6	10.0	592	740	18%
100	231	70.4	120	4.27	0.0	0.0	512	641	0%

* Solar Array watts using a 20% deration factor.