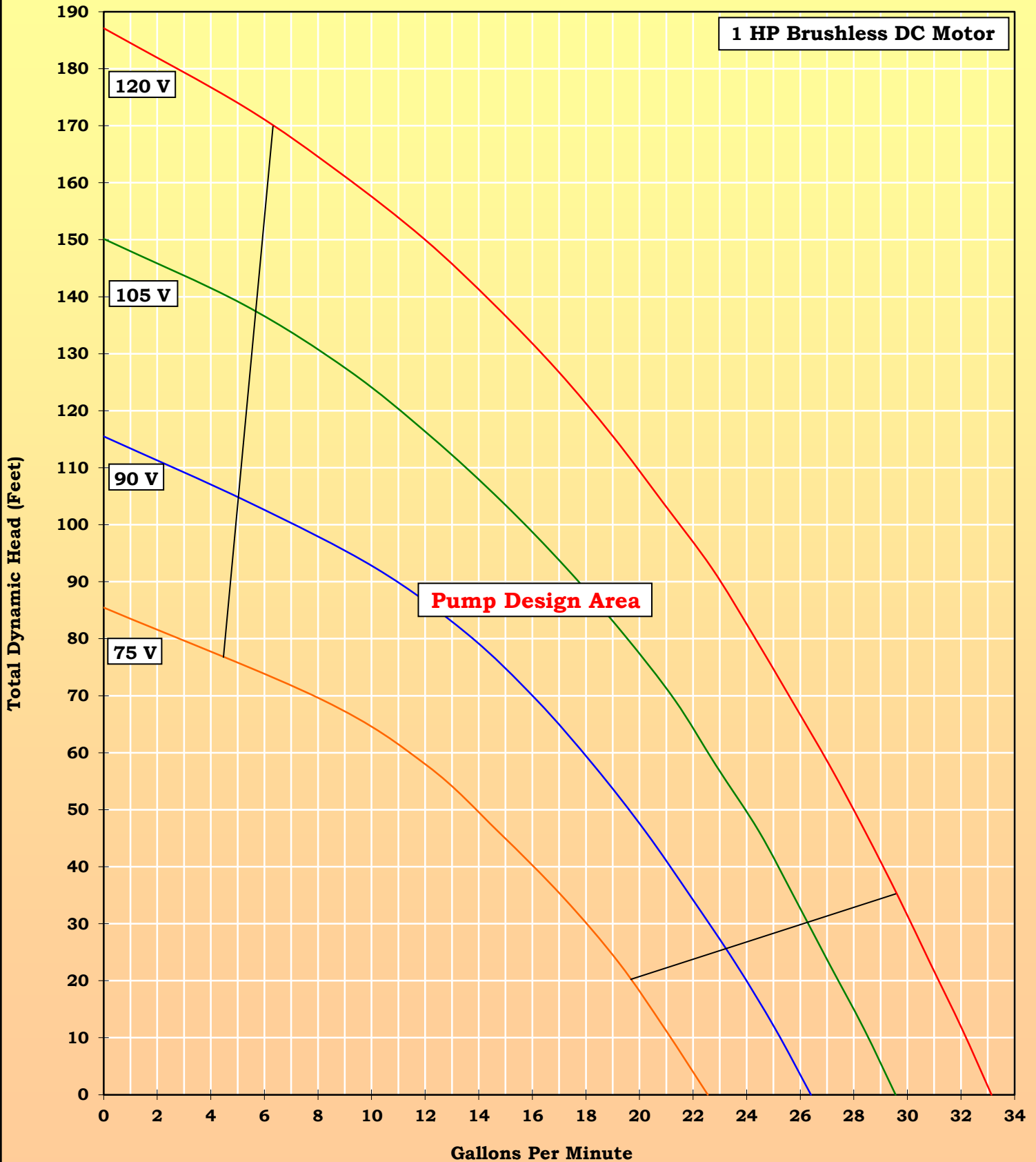


SunPumps Brushless DC Submersible Model SCS 20-110-120Y BL

120 Volt Panel Direct

1 HP Brushless DC Motor



SunPumps Brushless DC Submersible

Model SCS 20-110-120Y 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	4.08	22.6	85.4	306	383	0%
5	12	3.5	75	4.12	21.0	79.3	309	386	15%
10	23	7.0	75	4.20	19.2	72.8	315	394	27%
15	35	10.6	75	4.24	17.2	64.9	318	398	35%
20	46	14.1	75	4.15	14.7	55.7	311	389	41%
25	58	17.6	75	3.97	12.1	45.7	298	372	44%
30	69	21.1	75	3.67	8.2	30.8	275	344	39%
37	85	26.1	75	2.95	0.0	0.0	221	277	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	5.11	26.4	99.9	460	575	0%
5	12	3.5	90	5.17	25.1	94.9	465	582	12%
10	23	7.0	90	5.26	23.6	89.3	473	592	22%
15	35	10.6	90	5.31	21.9	83.0	478	597	30%
20	46	14.1	90	5.34	20.2	76.5	481	601	37%
25	58	17.6	90	5.31	18.3	69.3	478	597	42%
30	69	21.1	90	5.19	16.2	61.1	467	584	45%
35	81	24.6	90	4.98	13.6	51.4	448	560	46%
40	92	28.2	90	4.63	10.2	38.4	417	521	42%
45	104	31.7	90	4.09	5.4	20.5	368	460	29%
50	116	35.2	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	6.2	29.6	111.9	651	814	0%
5	12	3.5	105	6.25	28.4	107.4	656	820	9%
10	23	7.0	105	6.32	27.1	102.5	664	830	18%
15	35	10.6	105	6.36	25.8	97.6	668	835	25%
20	46	14.1	105	6.45	24.5	92.6	677	847	31%
25	58	17.6	105	6.48	22.9	86.5	680	851	37%
30	69	21.1	105	6.46	21.3	80.7	678	848	41%
35	81	24.6	105	6.35	19.4	73.4	667	833	44%
40	92	28.2	105	6.21	17.3	65.4	652	815	46%
45	104	31.7	105	6.00	14.9	56.4	630	788	46%
50	116	35.2	105	5.72	12.2	46.2	601	751	44%
55	127	38.7	105	5.41	9.2	34.6	568	710	39%
60	139	42.3	105	4.94	5.2	19.8	519	648	26%
65	150	45.8	105	4.43	0.0	0.0	465	581	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	7.32	33.1	125.4	878	1098	0%
5	12	3.5	120	7.35	32.0	121.3	882	1103	8%
10	23	7.0	120	7.44	30.9	116.8	893	1116	15%
15	35	10.6	120	7.52	29.7	112.3	902	1128	21%
20	46	14.1	120	7.59	28.4	107.6	911	1139	27%
25	58	17.6	120	7.65	27.1	102.6	918	1148	32%
30	69	21.1	120	7.68	25.7	97.2	922	1152	36%
35	81	24.6	120	7.68	24.2	91.7	922	1152	40%
40	92	28.2	120	7.63	22.7	85.9	916	1145	43%
45	104	31.7	120	7.49	20.9	79.0	899	1124	45%
50	116	35.2	120	7.36	19.0	72.0	883	1104	47%
55	127	38.7	120	7.17	16.9	64.1	860	1076	47%
60	139	42.3	120	6.88	14.6	55.2	826	1032	46%
65	150	45.8	120	6.57	12.0	45.3	788	986	43%
70	162	49.3	120	6.17	8.8	33.4	740	926	36%
75	173	52.8	120	5.73	5.3	19.9	688	860	25%
81	187	57.0	120	5.25	0.0	0.0	630	788	0%

* Solar Array watts using a 20% deration factor.