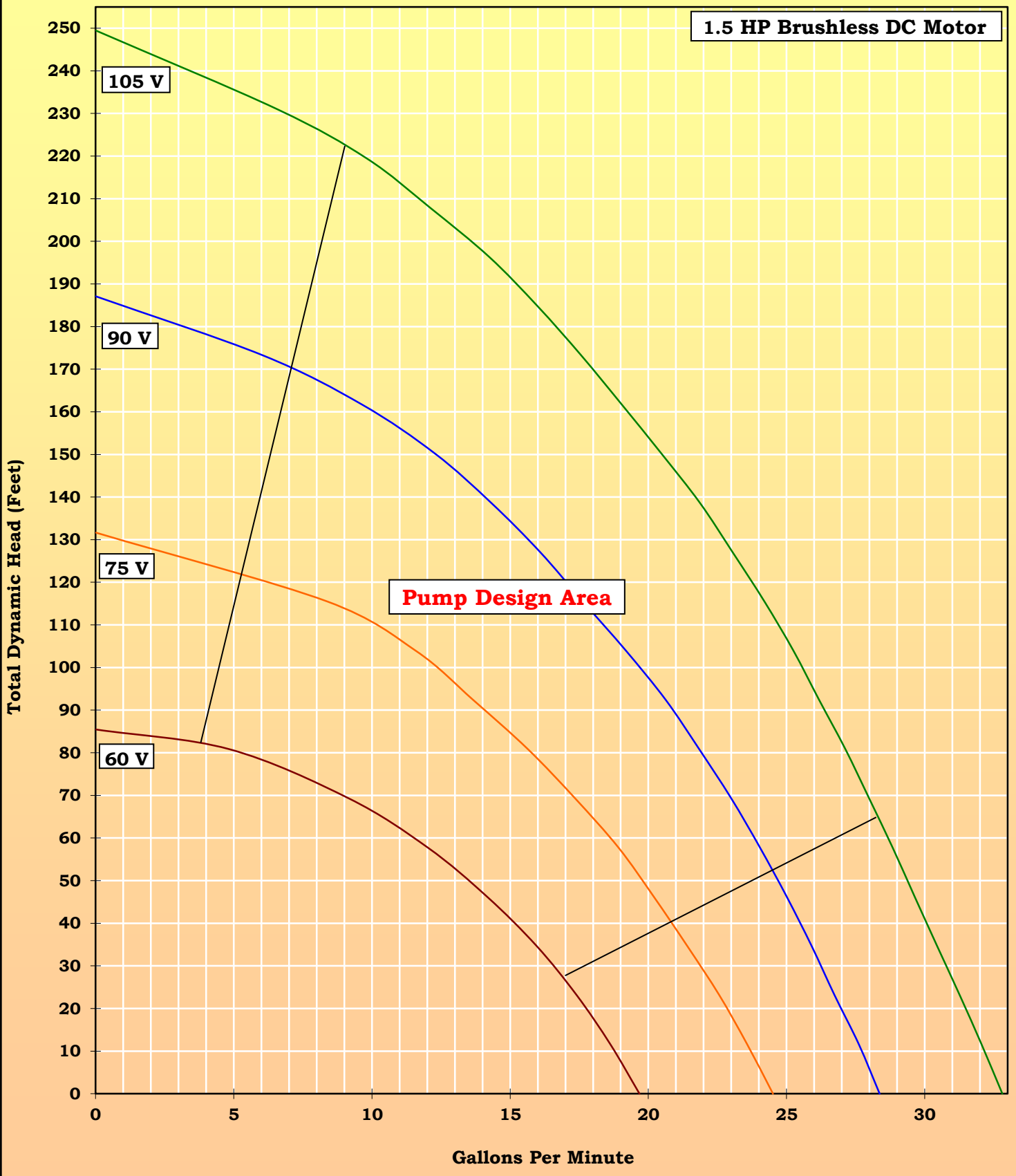


**SunPumps Brushless DC Submersible
Model SCS 18-170-105 BL**

105 Volt Panel Direct

1.5 HP Brushless DC Motor



SunPumps Brushless DC Submersible Model SCS 18-170-105 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	5.4	19.7	74.5	321	401	0%
5	12	3.5	60	5.4	18.6	70.5	322	403	13%
10	23	7.0	60	5.4	17.4	65.9	322	402	24%
15	35	10.6	60	5.3	16.0	60.4	319	399	33%
20	46	14.1	60	5.2	14.2	53.6	311	389	40%
25	58	17.6	60	4.9	12.0	45.5	294	368	44%
30	69	21.1	60	4.5	9.2	34.7	270	338	44%
35	81	24.6	60	3.7	4.8	18.3	224	281	33%
37	85	26.1	60	2.8	0.0	0.0	170	213	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	7.5	24.5	92.8	560	699	0%
5	12	3.5	75	7.5	23.6	89.3	561	701	9%
10	23	7.0	75	7.5	22.6	85.4	563	704	17%
15	35	10.6	75	7.5	21.4	81.0	563	704	25%
20	46	14.1	75	7.5	20.2	76.5	562	702	31%
25	58	17.6	75	7.4	18.9	71.6	554	693	37%
30	69	21.1	75	7.2	17.4	65.7	542	677	42%
35	81	24.6	75	7.0	15.6	59.2	521	652	46%
40	92	28.2	75	6.7	13.7	51.7	501	626	47%
45	104	31.7	75	6.3	11.6	43.8	469	586	48%
50	116	35.2	75	5.6	8.4	31.7	423	529	43%
57	132	40.1	75	3.8	0.0	0.0	284	355	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	9.7	28.4	107.4	874	1092	0%
5	12	3.5	90	9.7	27.6	104.5	877	1096	7%
10	23	7.0	90	9.8	26.7	101.2	880	1100	13%
15	35	10.6	90	9.8	25.9	98.1	881	1101	19%
20	46	14.1	90	9.8	25.0	94.7	880	1100	25%
25	58	17.6	90	9.8	24.0	91.0	878	1097	30%
30	69	21.1	90	9.7	23.0	87.1	874	1092	34%
35	81	24.6	90	9.6	21.8	82.7	868	1085	38%
40	92	28.2	90	9.4	20.6	78.1	850	1062	42%
45	104	31.7	90	9.3	19.2	72.6	836	1045	45%
50	116	35.2	90	9.1	17.6	66.7	815	1019	47%
55	127	38.7	90	8.8	16.1	60.9	791	989	49%
60	139	42.3	90	8.4	14.3	54.2	754	943	50%
65	150	45.8	90	8.0	12.3	46.5	724	905	48%
70	162	49.3	90	7.4	9.6	36.5	663	829	44%
75	173	52.8	90	6.5	6.1	22.9	582	728	34%
81	187	57.0	90	4.9	0.0	0.0	443	554	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	12.1	32.8	124.2	1268	1586	0%
5	12	3.5	105	12.1	32.1	121.3	1274	1592	5%
10	23	7.0	105	12.2	31.3	118.4	1280	1600	11%
15	35	10.6	105	12.2	30.5	115.3	1284	1605	15%
20	46	14.1	105	12.3	29.6	112.2	1286	1608	20%
25	58	17.6	105	12.3	28.8	109.2	1286	1608	24%
30	69	21.1	105	12.2	28.0	105.9	1285	1607	28%
35	81	24.6	105	12.2	27.1	102.7	1282	1603	32%
40	92	28.2	105	12.1	26.2	99.1	1275	1593	36%
45	104	31.7	105	12.1	25.3	95.6	1272	1589	39%
50	116	35.2	105	12.0	24.2	91.6	1259	1574	42%
55	127	38.7	105	11.8	23.1	87.2	1242	1553	44%
60	139	42.3	105	11.7	21.9	82.8	1224	1530	47%
65	150	45.8	105	11.4	20.5	77.5	1199	1499	48%
70	162	49.3	105	11.1	19.0	72.1	1170	1462	50%
75	173	52.8	105	10.8	17.6	66.5	1137	1421	50%
80	185	56.3	105	10.5	16.0	60.5	1105	1381	50%
85	196	59.9	105	10.1	14.2	53.9	1064	1330	50%
90	208	63.4	105	9.6	12.1	45.8	1004	1255	47%
95	219	66.9	105	9.0	9.8	37.1	946	1183	43%
100	231	70.4	105	8.0	6.6	24.9	837	1046	34%
108	249	76.1	105	6.1	0.0	0.0	643	803	0%

* Solar Array watts using a 20% deration factor.