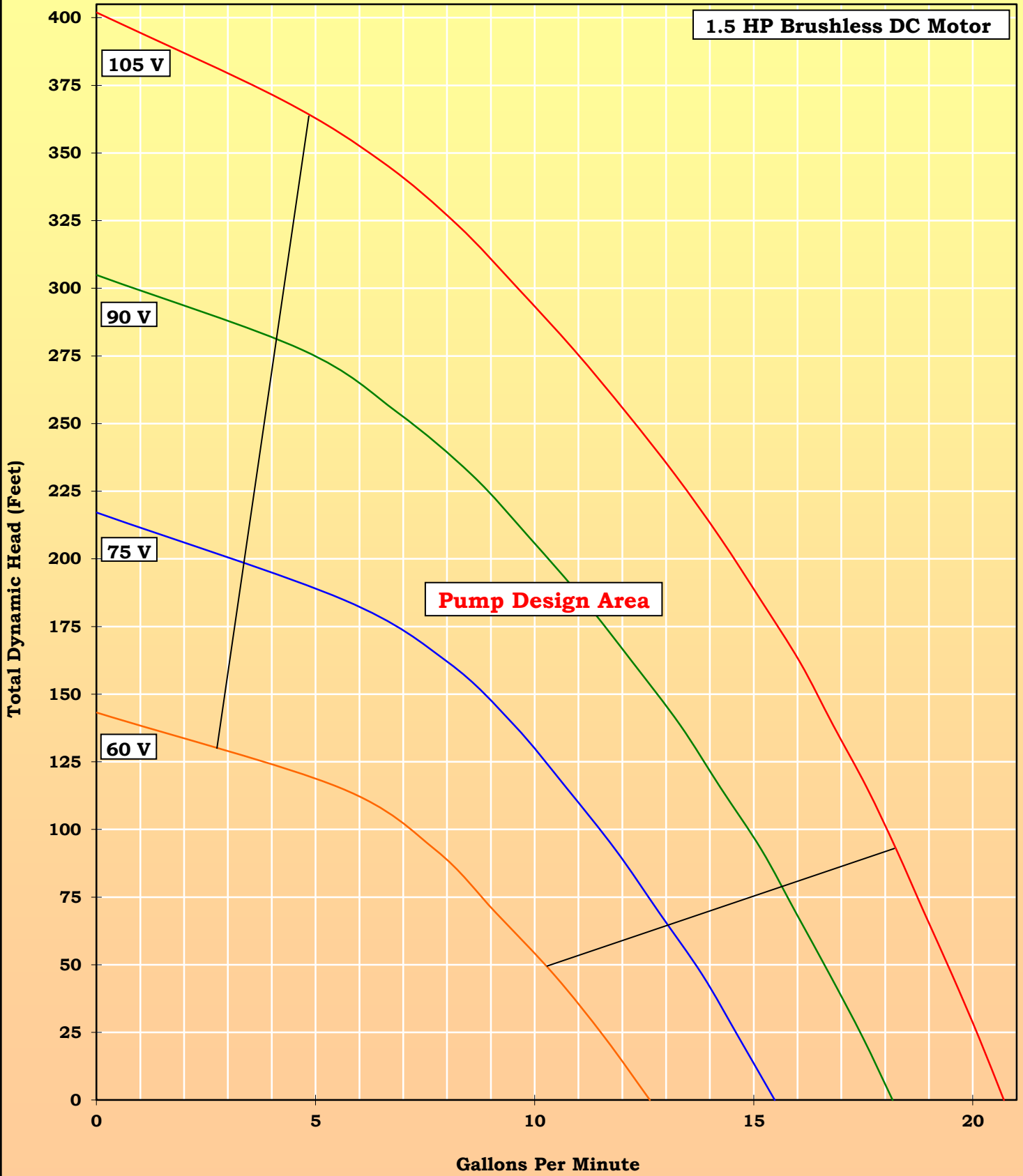


**SunPumps Brushless DC Submersible  
Model SCS 12-255-105 BL**

**105 Volt Panel Direct**



# SunPumps Brushless DC Submersible Model SCS 12-255-105 BL

## 120 Volt 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	5.48	12.6	47.8	329	411	0%
10	23	7.0	60	5.53	11.6	43.9	332	415	15%
20	46	14.1	60	5.51	10.5	39.6	331	413	28%
30	69	21.1	60	5.42	9.1	34.5	325	407	37%
40	92	28.2	60	5.18	7.7	29.3	311	389	43%
50	116	35.2	60	4.71	5.5	21.0	283	353	43%
62	143	43.7	60	2.86	0.0	0.0	172	215	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	7.68	15.5	58.6	576	720	0%
10	23	7.0	75	7.73	14.7	55.5	580	725	11%
20	46	14.1	75	7.75	13.8	52.3	581	727	21%
30	69	21.1	75	7.74	12.8	48.6	581	726	29%
40	92	28.2	75	7.71	11.9	44.9	578	723	36%
50	116	35.2	75	7.58	10.7	40.6	569	711	41%
60	139	42.3	75	7.31	9.5	36.1	548	685	45%
70	162	49.3	75	6.93	8.0	30.4	520	650	47%
80	185	56.3	75	6.24	5.7	21.4	468	585	42%
94	217	66.2	75	3.87	0.0	0.0	290	363	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	10.11	18.2	68.8	910	1137	0%
10	23	7.0	90	10.07	17.5	66.2	906	1133	8%
20	46	14.1	90	10.10	16.7	63.4	909	1136	16%
30	69	21.1	90	10.10	16.0	60.4	909	1136	23%
40	92	28.2	90	10.06	15.2	57.5	905	1132	29%
50	116	35.2	90	10.02	14.2	53.9	902	1127	34%
60	139	42.3	90	9.96	13.3	50.4	896	1121	39%
70	162	49.3	90	9.78	12.2	46.3	880	1100	42%
80	185	56.3	90	9.57	11.1	42.1	861	1077	45%
90	208	63.4	90	9.23	9.9	37.4	831	1038	47%
100	231	70.4	90	8.84	8.6	32.4	796	995	47%
110	254	77.5	90	8.34	6.9	26.0	751	938	44%
120	277	84.5	90	7.40	4.7	17.8	666	833	37%
132	305	93.0	90	5.09	0.0	0.0	458	573	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	12.52	20.7	78.4	1315	1643	0%
10	23	7.0	105	12.57	20.1	76.2	1320	1650	7%
20	46	14.1	105	12.64	19.5	73.9	1327	1659	13%
30	69	21.1	105	12.63	18.9	71.5	1326	1658	19%
40	92	28.2	105	12.63	18.3	69.1	1326	1658	24%
50	116	35.2	105	12.65	17.6	66.5	1328	1660	29%
60	139	42.3	105	12.66	16.8	63.6	1329	1662	33%
70	162	49.3	105	12.60	16.1	60.8	1323	1654	37%
80	185	56.3	105	12.57	15.2	57.4	1320	1650	40%
90	208	63.4	105	12.44	14.2	53.9	1306	1633	43%
100	231	70.4	105	12.30	13.2	50.0	1292	1614	45%
110	254	77.5	105	12.07	12.1	45.8	1267	1584	46%
120	277	84.5	105	11.71	10.9	41.3	1230	1537	46%
130	300	91.6	105	11.25	9.6	36.3	1181	1477	46%
140	323	98.6	105	10.79	8.2	31.2	1133	1416	44%
150	347	105.6	105	10.04	6.5	24.8	1054	1318	40%
160	370	112.7	105	8.95	4.2	16.0	940	1175	31%
174	402	122.5	105	6.56	0.0	0.0	689	861	0%

\* Solar Array watts using a 20% deration factor.