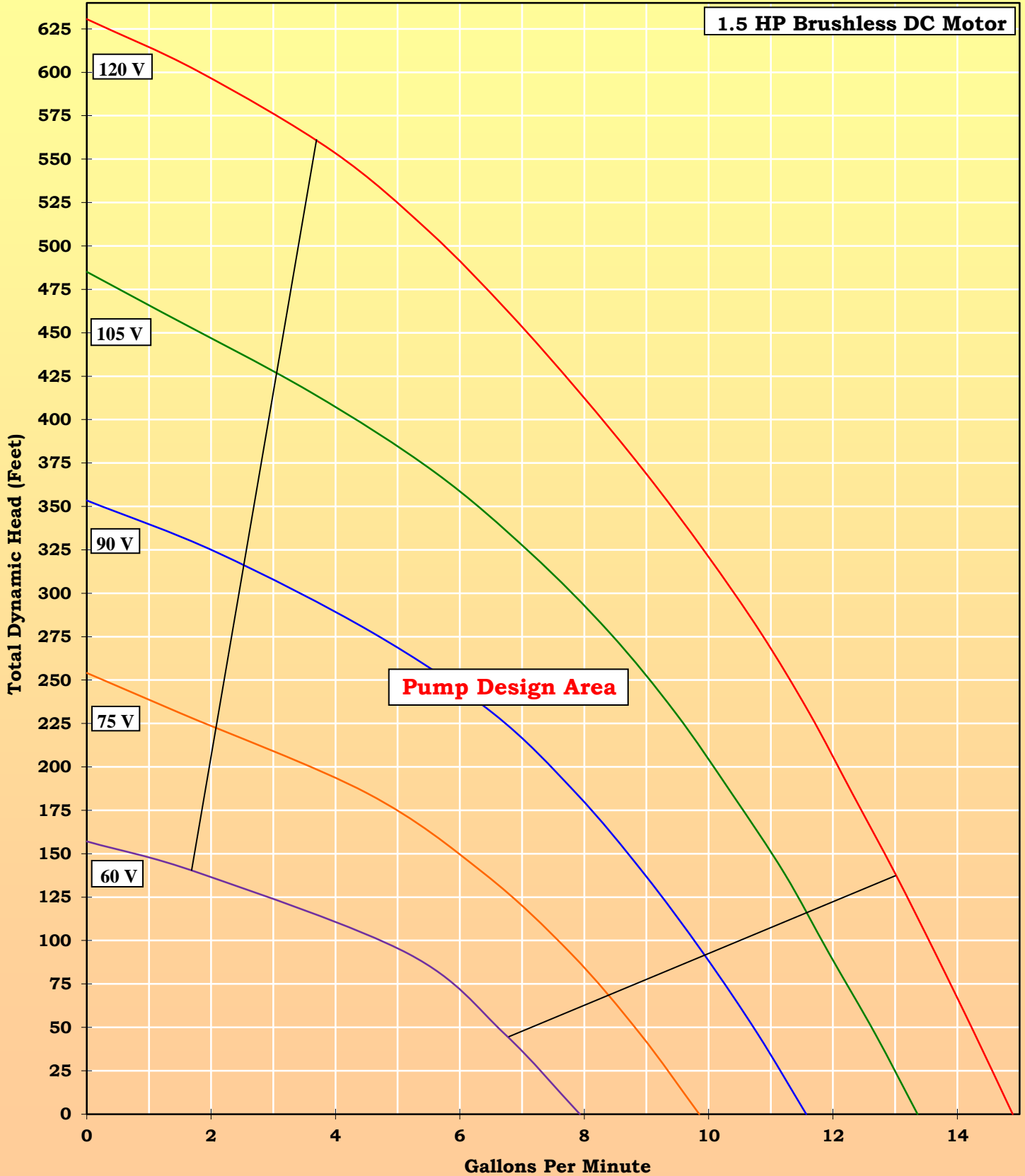


# SunPumps Brushless DC Submersible Model SCS 8-410-120 BL

120 Volt Panel Direct

1.5 HP Brushless DC Motor



# *SunPumps Brushless DC Submersible*

## **Model SCS 8-410-120 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	4.32	7.9	30.0	259	324	0%
20	46	14.1	60	4.55	6.7	25.4	273	341	21%
40	92	28.2	60	4.66	5.2	19.6	280	350	32%
60	139	42.3	60	4.37	1.8	6.9	262	328	18%
68	157	47.9	60	3.91	0.0	0.0	235	293	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	6.03	9.9	37.3	452	565	0%
20	46	14.1	75	6.22	8.9	33.7	467	583	17%
40	92	28.2	75	6.36	7.8	29.5	477	596	28%
60	139	42.3	75	6.38	6.4	24.2	479	598	35%
80	185	56.3	75	6.22	4.5	17.1	467	583	34%
100	231	70.4	75	5.66	1.5	5.7	425	531	15%
110	254	77.5	75	5.07	0.0	0.0	380	475	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	7.93	11.6	43.8	714	892	0%
20	46	14.1	90	8.10	10.8	40.8	729	911	13%
40	92	28.2	90	8.26	9.9	37.5	743	929	23%
60	139	42.3	90	8.35	9.0	33.9	752	939	31%
80	185	56.3	90	8.41	7.9	29.8	757	946	36%
100	231	70.4	90	8.25	6.5	24.7	743	928	38%
120	277	84.5	90	7.94	4.6	17.4	715	893	34%
140	323	98.6	90	7.40	2.1	7.9	666	833	19%
153	353	107.8	90	6.86	0.0	0.0	617	772	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	9.85	13.4	50.6	1034	1293	0%
20	46	14.1	105	9.96	12.7	48.0	1046	1307	11%
40	92	28.2	105	10.23	11.9	45.2	1074	1343	19%
60	139	42.3	105	10.36	11.2	42.5	1088	1360	27%
80	185	56.3	105	10.49	10.4	39.3	1101	1377	33%
100	231	70.4	105	10.55	9.5	35.8	1108	1385	37%
120	277	84.5	105	10.50	8.4	31.8	1103	1378	40%
140	323	98.6	105	10.29	7.1	27.0	1080	1351	40%
160	370	112.7	105	9.98	5.6	21.2	1048	1310	37%
180	416	126.8	105	9.45	3.6	13.6	992	1240	28%
200	462	140.9	105	8.53	1.2	4.5	896	1120	12%
210	485	147.9	105	7.98	0.0	0.0	838	1047	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	11.83	14.9	56.4	1420	1775	0%
20	46	14.1	120	11.92	14.3	54.0	1430	1788	9%
40	92	28.2	120	12.14	13.7	51.7	1457	1821	16%
60	139	42.3	120	12.31	13.0	49.2	1477	1847	23%
80	185	56.3	120	12.47	12.3	46.6	1496	1871	29%
100	231	70.4	120	12.62	11.6	44.0	1514	1893	33%
120	277	84.5	120	12.78	10.8	41.0	1534	1917	37%
140	323	98.6	120	12.74	10.0	37.7	1529	1911	40%
160	370	112.7	120	12.50	9.0	34.0	1500	1875	42%
180	416	126.8	120	12.30	7.9	30.0	1476	1845	42%
200	462	140.9	120	11.97	6.8	25.7	1436	1796	41%
220	508	154.9	120	11.51	5.5	20.9	1381	1727	38%
240	554	169.0	120	10.82	4.0	15.0	1298	1623	32%
260	601	183.1	120	9.73	1.8	6.8	1168	1460	17%
273	631	192.3	120	9.06	0.0	0.0	1087	1359	0%

\* Peak solar array watts using a 20% deration factor.