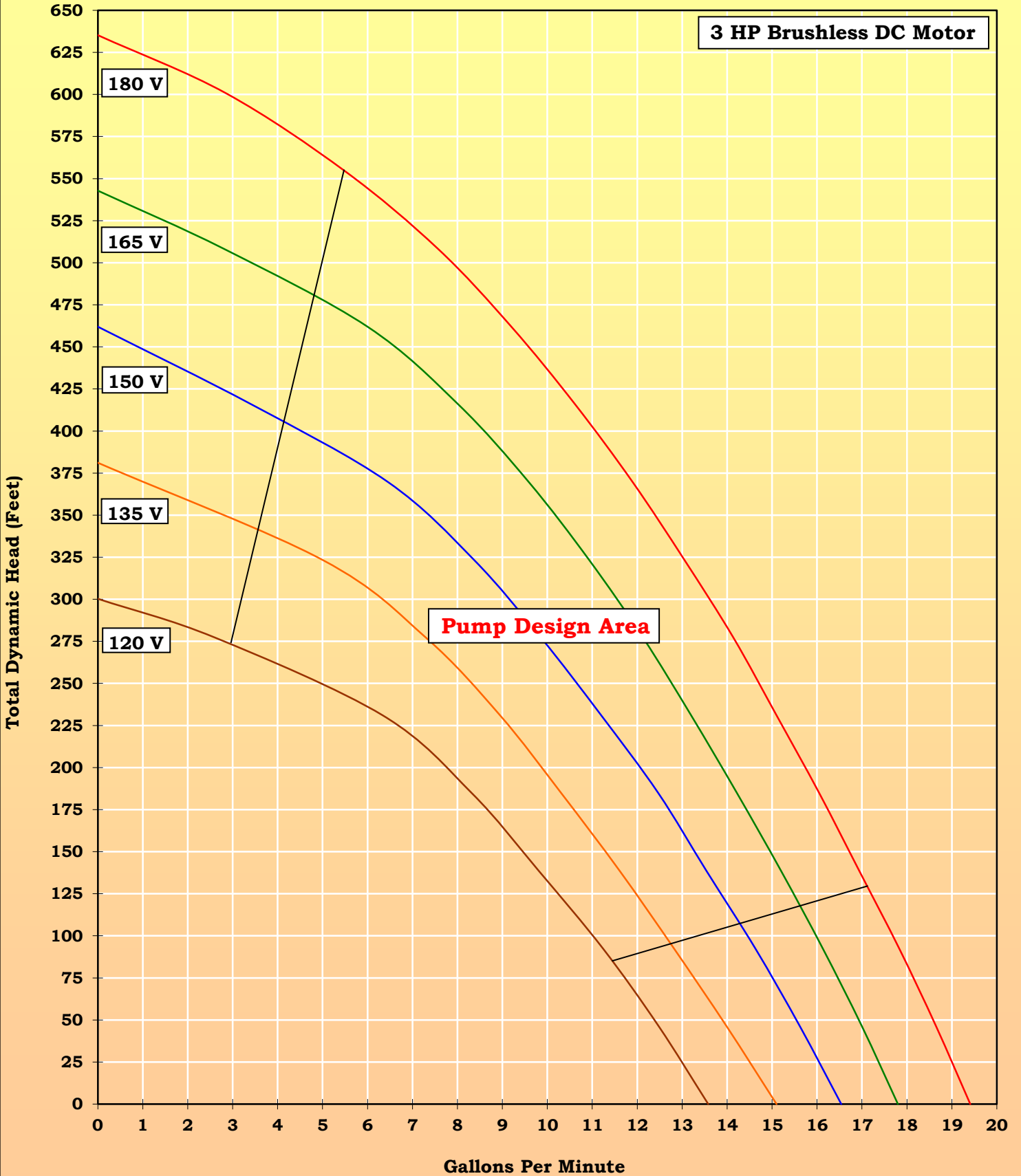


# SunPumps Brushless DC Submersible Model SCS 10-440-180 BL

180 Volt Panel Direct

3 HP Brushless DC Motor



# SunPumps Brushless DC Submersibles

## Model SCS 10-440-180BL

3 HP Brushless DC Motor

180 Volt Panel Direct System

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array * Watts	System Efficiency
0	0	0.0	120	5.5	13.6	51.4	665	831	0%
20	46	14.1	120	5.7	12.5	47.2	678	848	16%
40	92	28.2	120	5.8	11.2	42.5	700	875	28%
60	139	42.3	120	5.9	9.8	37.1	709	887	36%
80	185	56.3	120	5.9	8.3	31.5	710	888	41%
100	231	70.4	120	5.7	6.3	24.0	682	852	40%
120	277	84.5	120	4.9	2.6	9.9	586	732	23%
130	300	91.6	120	3.3	0.0	0.0	390	488	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array * Watts	System Efficiency
0	0	0.0	135	6.6	15.1	57.2	890	1112	0%
20	46	14.1	135	6.7	14.0	53.0	902	1127	14%
40	92	28.2	135	6.9	12.8	48.5	925	1156	24%
60	139	42.3	135	7.0	11.6	43.9	942	1178	32%
80	185	56.3	135	7.0	10.3	39.0	949	1186	38%
100	231	70.4	135	7.0	9.0	33.9	945	1181	41%
120	277	84.5	135	6.8	7.3	27.6	917	1146	42%
140	323	98.6	135	6.2	5.0	18.9	832	1040	37%
165	381	116.2	135	3.9	0.0	0.0	521	651	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array * Watts	System Efficiency
0	0	0.0	150	7.6	16.5	62.6	1143	1429	0%
20	46	14.1	150	7.8	15.6	59.1	1163	1453	12%
40	92	28.2	150	8.0	14.6	55.4	1193	1491	21%
60	139	42.3	150	8.1	13.5	51.2	1209	1511	29%
80	185	56.3	150	8.2	12.5	47.2	1224	1530	35%
100	231	70.4	150	8.2	11.2	42.4	1233	1541	40%
120	277	84.5	150	8.2	9.9	37.3	1230	1538	42%
140	323	98.6	150	8.0	8.4	31.7	1203	1504	42%
160	370	112.7	150	7.5	6.5	24.5	1127	1408	40%
180	416	126.8	150	6.4	3.4	12.9	956	1194	28%
200	462	140.9	150	4.4	0.0	0.0	663	829	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array * Watts	System Efficiency
0	0	0.0	165	8.9	17.8	67.4	1470	1838	0%
20	46	14.1	165	9.1	17.0	64.3	1493	1867	10%
40	92	28.2	165	9.2	16.1	61.1	1510	1887	19%
60	139	42.3	165	9.3	15.2	57.5	1536	1920	26%
80	185	56.3	165	9.5	14.2	53.8	1563	1953	32%
100	231	70.4	165	9.6	13.2	50.0	1581	1976	36%
120	277	84.5	165	9.6	12.1	45.9	1589	1986	40%
140	323	98.6	165	9.6	10.9	41.4	1579	1974	42%
160	370	112.7	165	9.4	9.6	36.3	1546	1933	43%
180	416	126.8	165	9.0	8.0	30.4	1492	1865	42%
200	462	140.9	165	8.3	6.0	22.7	1373	1716	38%
220	508	154.9	165	6.9	2.8	10.6	1140	1425	24%
235	543	165.5	165	5.0	0.0	0.0	823	1029	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array * Watts	System Efficiency
0	0	0.0	180	9.9	19.4	73.5	1786	2232	0%
20	46	14.1	180	10.2	18.7	70.6	1832	2291	9%
40	92	28.2	180	10.3	17.8	67.5	1850	2313	17%
60	139	42.3	180	10.4	16.9	64.1	1877	2347	24%
80	185	56.3	180	10.6	16.1	60.7	1903	2378	29%
100	231	70.4	180	10.7	15.1	57.2	1926	2408	34%
120	277	84.5	180	10.8	14.1	53.5	1935	2419	38%
140	323	98.6	180	10.8	13.1	49.4	1942	2428	41%
160	370	112.7	180	10.8	11.9	45.0	1939	2423	43%
180	416	126.8	180	10.7	10.6	40.2	1919	2399	43%
200	462	140.9	180	10.3	9.2	34.8	1861	2327	43%
220	508	154.9	180	9.8	7.6	28.7	1769	2212	41%
240	554	169.0	180	9.0	5.5	20.8	1615	2018	36%
260	601	183.1	180	7.4	2.9	10.8	1337	1672	24%
275	635	193.7	180	5.7	0.0	0.0	1033	1292	0%

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