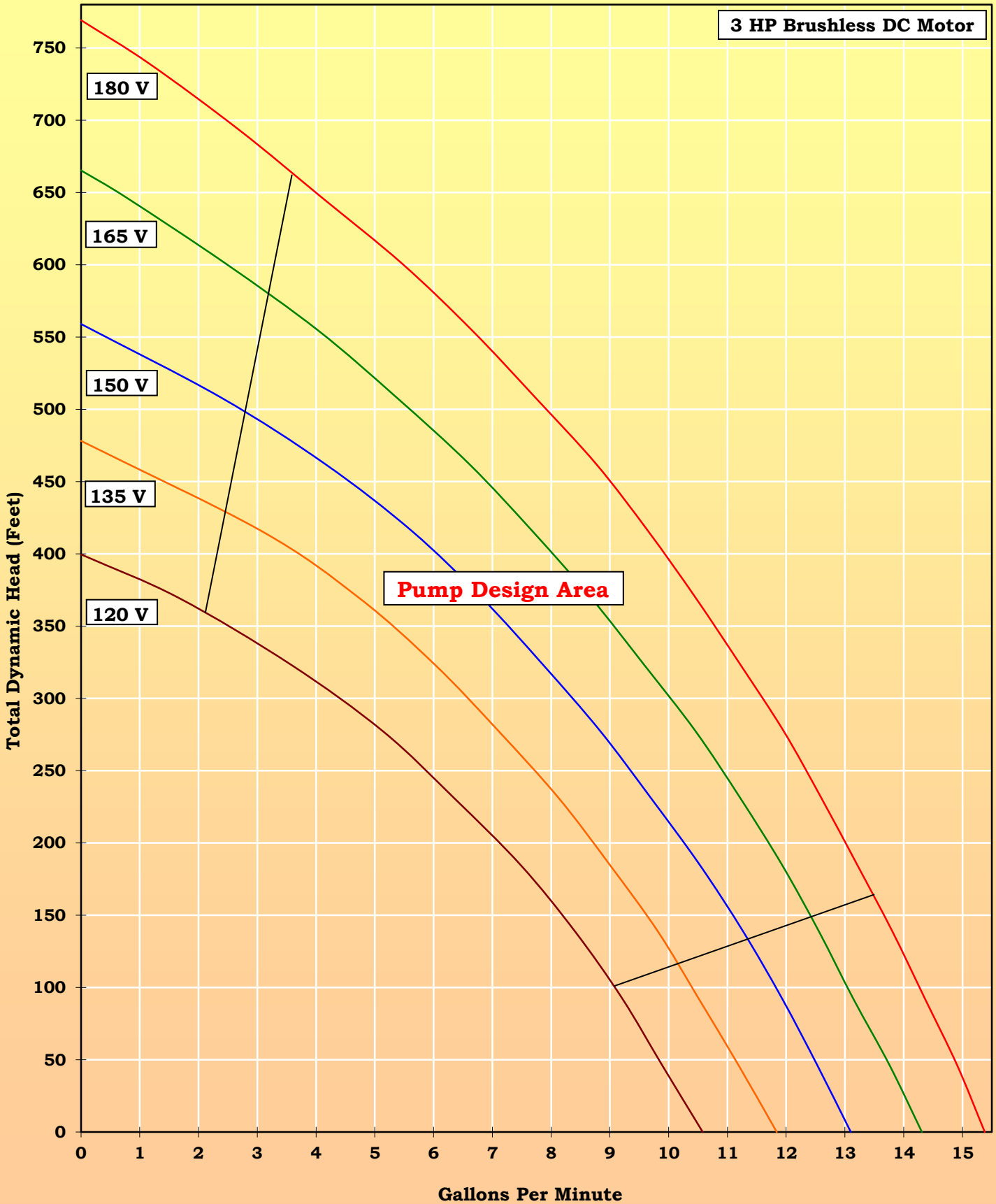


# SunPumps Brushless DC Submersible Model SCS 8-500-180 BL

180 Volt Panel Direct

3 HP Brushless DC Motor



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3 HP Motor

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	System Efficiency
0	0	0.0	120	5.6	10.6	40.0	673	0%
20	46	14.1	120	5.8	9.9	37.4	695	12%
40	92	28.2	120	5.9	9.2	34.9	710	23%
60	139	42.3	120	6.1	8.4	31.8	727	30%
80	185	56.3	120	6.1	7.5	28.3	737	35%
100	231	70.4	120	6.1	6.4	24.0	733	38%
120	277	84.5	120	5.9	5.1	19.5	712	38%
140	323	98.6	120	5.6	3.6	13.5	670	32%
160	370	112.7	120	4.9	1.7	6.3	583	20%
173	400	121.8	120	4.1	0.0	0.0	497	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	System Efficiency
0	0	0.0	135	6.7	11.8	44.8	907	0%
20	46	14.1	135	6.9	11.2	42.4	925	11%
40	92	28.2	135	7.0	10.5	39.8	946	19%
60	139	42.3	135	7.1	9.8	37.2	957	27%
80	185	56.3	135	7.2	9.0	34.1	969	32%
100	231	70.4	135	7.2	8.1	30.8	977	36%
120	277	84.5	135	7.2	7.1	26.9	968	38%
140	323	98.6	135	7.0	6.0	22.8	948	39%
160	370	112.7	135	6.7	4.7	17.9	909	36%
180	416	126.8	135	6.4	3.1	11.6	861	28%
207	478	145.8	135	5.4	0.0	0.0	730	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	System Efficiency
0	0	0.0	150	7.8	13.1	49.6	1163	0%
20	46	14.1	150	7.9	12.5	47.4	1187	9%
40	92	28.2	150	8.1	11.9	45.2	1211	17%
60	139	42.3	150	8.2	11.3	42.7	1232	24%
80	185	56.3	150	8.3	10.5	39.9	1251	29%
100	231	70.4	150	8.5	9.7	36.7	1268	33%
120	277	84.5	150	8.5	8.8	33.5	1275	36%
140	323	98.6	150	8.5	7.9	29.8	1272	38%
160	370	112.7	150	8.4	6.8	25.8	1254	38%
180	416	126.8	150	8.1	5.6	21.3	1221	36%
200	462	140.9	150	8.0	4.2	15.7	1193	30%
220	508	154.9	150	7.8	2.4	9.0	1164	20%
242	559	170.4	150	6.4	0.0	0.0	963	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	System Efficiency
0	0	0.0	165	9.2	14.3	54.2	1518	0%
20	46	14.1	165	9.3	13.8	52.1	1538	8%
40	92	28.2	165	9.4	13.1	49.7	1551	15%
60	139	42.3	165	9.6	12.6	47.5	1579	21%
80	185	56.3	165	9.7	11.9	45.2	1602	26%
100	231	70.4	165	9.8	11.2	42.5	1609	30%
120	277	84.5	165	9.8	10.5	39.6	1620	34%
140	323	98.6	165	9.8	9.6	36.3	1622	36%
160	370	112.7	165	9.8	8.7	32.9	1619	37%
180	416	126.8	165	9.7	7.7	29.1	1605	37%
200	462	140.9	165	9.6	6.6	25.0	1586	36%
220	508	154.9	165	9.4	5.4	20.3	1554	33%
240	554	169.0	165	9.3	4.0	15.3	1530	28%
260	601	183.1	165	9.1	2.5	9.3	1503	19%
280	647	197.2	165	8.3	0.8	2.9	1373	7%
288	665	202.8	165	7.5	0.0	0.0	1241	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	System Efficiency
0	0	0.0	180	10.3	15.4	58.2	1845	0%
20	46	14.1	180	10.4	14.9	56.4	1865	7%
40	92	28.2	180	10.5	14.4	54.4	1892	13%
60	139	42.3	180	10.7	13.8	52.3	1919	19%
80	185	56.3	180	10.8	13.2	50.0	1946	24%
100	231	70.4	180	11.0	12.6	47.7	1973	28%
120	277	84.5	180	11.1	12.0	45.3	1998	31%
140	323	98.6	180	11.2	11.2	42.5	2016	34%
160	370	112.7	180	11.2	10.5	39.6	2023	36%
180	416	126.8	180	11.5	9.7	36.5	2077	36%
200	462	140.9	180	11.6	8.8	33.2	2084	37%
220	508	154.9	180	11.5	7.7	29.3	2075	36%
240	554	169.0	180	11.3	6.7	25.2	2039	34%
260	601	183.1	180	11.2	5.5	20.7	2021	31%
280	647	197.2	180	10.9	4.1	15.5	1967	25%
300	693	211.3	180	10.5	2.7	10.2	1894	19%
320	739	225.4	180	9.6	1.2	4.4	1726	9%
333	769	234.5	180	8.7	0.0	0.0	1564	0%

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