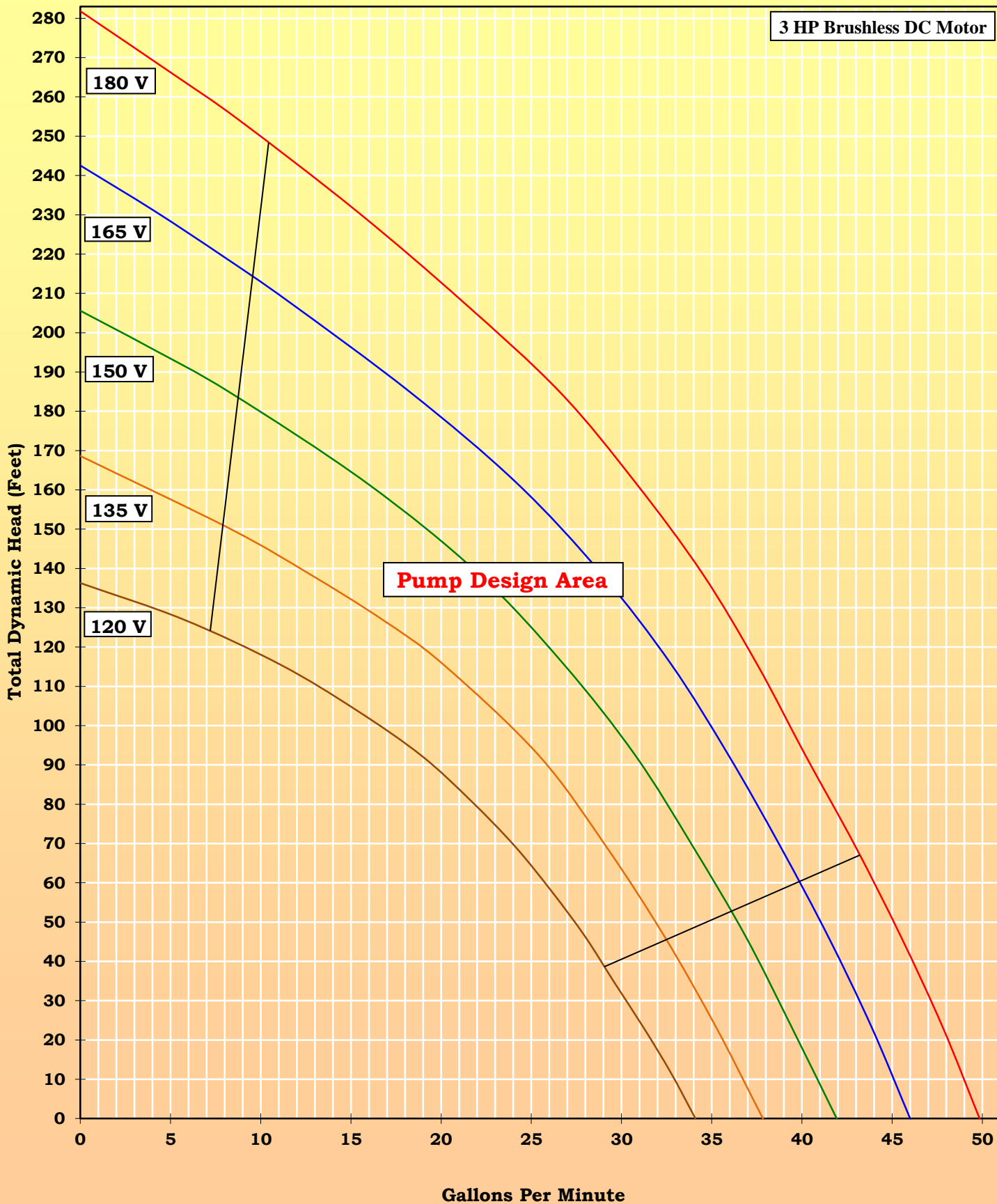


# SunPumps Brushless DC Submersible Model SCS 30-165-180 BL

180 Volt Panel Direct

3 HP Brushless DC Motor



## SCS Series Submersible Pump Model SCB 30-165-180 BL

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	4.7	34.1	129.1	558	698	0%
5	12	3.5	120	4.9	32.8	124.0	587	734	12%
10	23	7.0	120	5.1	31.2	118.2	611	764	22%
15	35	10.6	120	5.3	29.6	112.0	641	801	30%
20	46	14.1	120	5.6	28.0	106.0	667	834	37%
25	58	17.6	120	5.7	26.1	98.9	685	857	42%
30	69	21.1	120	5.8	24.1	91.2	698	873	45%
35	81	24.6	120	5.8	21.7	82.0	700	875	47%
40	92	28.2	120	5.7	18.9	71.5	682	852	48%
45	104	31.7	120	5.4	15.3	57.9	646	807	46%
50	116	35.2	120	4.9	11.1	42.0	589	737	41%
55	127	38.7	120	4.3	5.7	21.6	518	648	26%
59	136	41.6	120	3.7	0.0	0.0	448	560	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	5.5	37.8	143.2	747	933	0%
10	23	7.0	135	6.0	35.3	133.5	810	1013	19%
20	46	14.1	135	6.4	32.4	122.6	867	1083	33%
30	69	21.1	135	6.8	29.1	110.3	918	1148	41%
40	92	28.2	135	7.0	25.4	96.2	944	1180	47%
50	116	35.2	135	6.8	20.1	76.2	918	1148	48%
55	127	38.7	135	6.5	16.7	63.3	880	1100	45%
60	139	42.3	135	6.1	12.7	48.1	826	1033	40%
65	150	45.8	135	5.6	8.3	31.3	755	943	31%
73	169	51.4	135	4.4	0.0	0.0	599	749	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	6.4	41.9	158.7	966	1208	0%
10	23	7.0	150	6.9	39.5	149.3	1032	1290	17%
20	46	14.1	150	7.3	36.9	139.7	1101	1376	29%
30	69	21.1	150	7.8	34.0	128.5	1167	1459	38%
40	92	28.2	150	8.1	30.8	116.5	1218	1523	44%
50	116	35.2	150	8.3	26.8	101.5	1238	1547	47%
60	139	42.3	150	8.1	22.1	83.6	1211	1513	48%
70	162	49.3	150	7.4	15.9	60.1	1113	1391	43%
80	185	56.3	150	6.4	8.3	31.4	963	1204	30%
85	196	59.9	150	5.7	3.8	14.4	861	1076	16%
89	206	62.7	150	5.4	0.0	0.0	807	1009	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	7.6	46.0	174.1	1254	1568	0%
10	23	7.0	165	8.0	43.9	166.1	1325	1656	14%
20	46	14.1	165	8.5	41.5	157.0	1396	1745	26%
30	69	21.1	165	8.9	38.8	146.9	1464	1829	35%
40	92	28.2	165	9.2	35.9	136.0	1523	1904	41%
50	116	35.2	165	9.4	32.8	124.0	1554	1943	46%
60	139	42.3	165	9.5	28.9	109.4	1571	1964	48%
70	162	49.3	165	9.4	24.2	91.6	1544	1931	48%
80	185	56.3	165	8.9	18.3	69.3	1464	1829	44%
90	208	63.4	165	8.1	11.6	43.7	1337	1671	34%
95	219	66.9	165	7.6	7.9	29.9	1254	1568	26%
100	231	70.4	165	7.1	4.1	15.5	1172	1464	15%
105	243	73.9	165	6.3	0.0	0.0	1035	1293	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	8.5	49.9	188.7	1525	1906	0%
10	23	7.0	180	8.9	47.8	181.0	1606	2007	13%
20	46	14.1	180	9.4	45.5	172.2	1688	2111	23%
30	69	21.1	180	9.8	43.0	162.6	1769	2212	32%
40	92	28.2	180	10.3	40.2	152.2	1849	2311	38%
50	116	35.2	180	10.6	37.5	142.1	1906	2383	43%
60	139	42.3	180	10.9	34.5	130.6	1960	2450	46%
70	162	49.3	180	11.0	30.8	116.6	1973	2466	48%
80	185	56.3	180	10.9	26.6	100.7	1958	2448	47%
90	208	63.4	180	10.4	21.2	80.2	1879	2349	44%
100	231	70.4	180	9.7	15.3	57.9	1746	2183	38%
110	254	77.5	180	8.8	8.8	33.3	1591	1989	26%
115	266	81.0	180	8.3	5.2	19.6	1485	1856	17%
122	282	85.9	180	7.4	0.0	0.0	1323	1654	0%

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