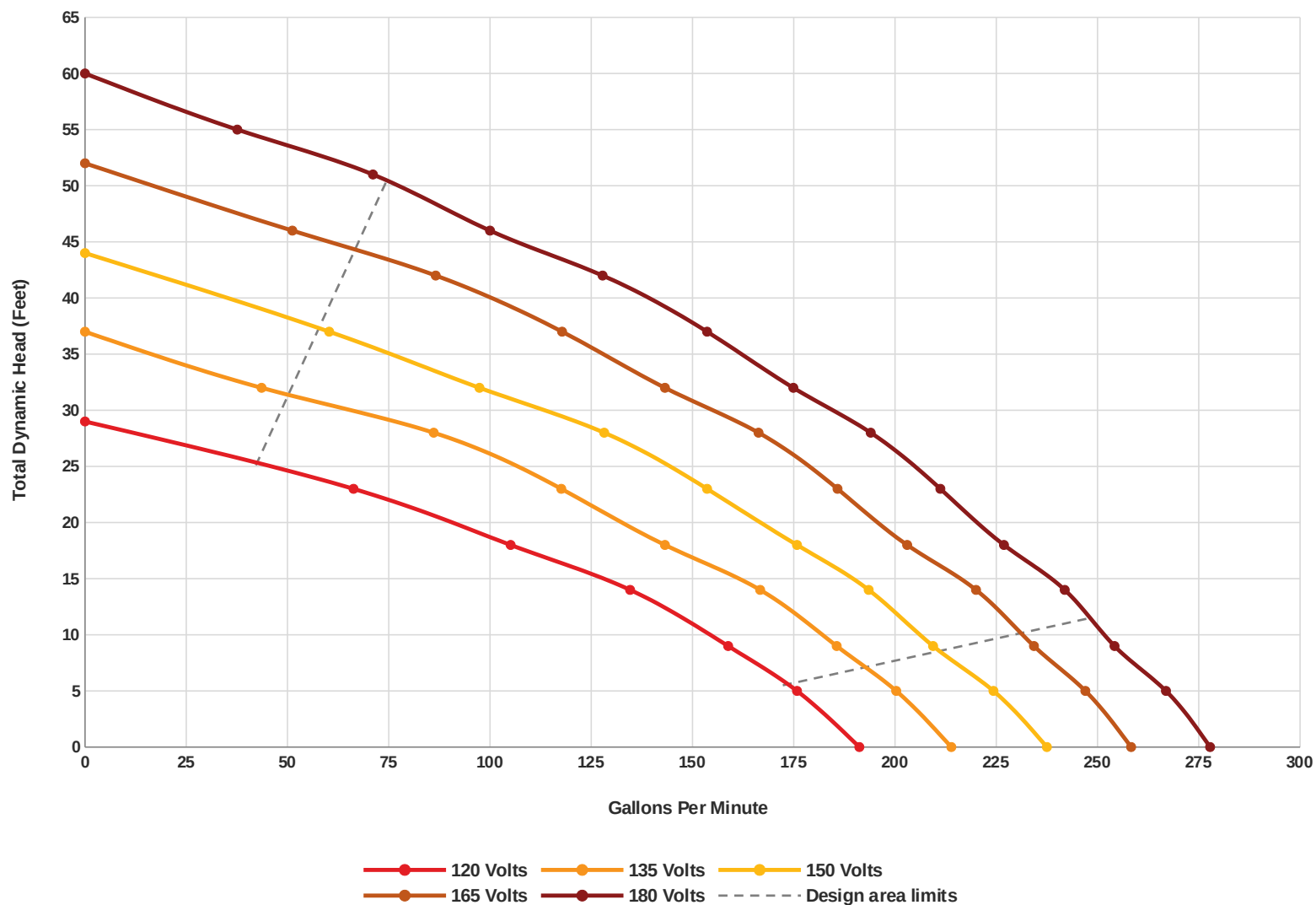


**SunPumps SCS 150-37-180 BL Brushless DC Submersible
6" Diameter Pump, 3" Discharge, 3 HP Brushless DC Motor**



SunPumps SCS 150-37-180 BL Brushless DC Submersible

Model SCS 150-37-180 BL, 3 HP Brushless DC Motor

120 Volt Panel Direct

PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Solar Array	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	*Watts	Efficiency
0	0	0.0	120	7.33	191.2	723.7	880	1100	0%
2	5	1.4	120	7.32	175.8	665.4	878	1098	17%
4	9	2.8	120	7.25	158.8	601.1	870	1088	32%
6	14	4.2	120	7.01	134.6	509.5	841	1052	42%
8	18	5.6	120	6.48	105.1	397.8	778	972	47%
10	23	7.0	120	5.82	66.3	250.9	698	873	41%
12.4	29	8.7	120	5.15	0.0	0.0	618	773	0%

135 Volt Panel Direct

PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Solar Array	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	*Watts	Efficiency
0	0	0.0	135	8.70	213.9	809.6	1175	1468	0%
2	5	1.4	135	8.70	200.3	758.1	1175	1468	15%
4	9	2.8	135	8.67	185.6	702.5	1170	1463	28%
6	14	4.2	135	8.52	166.7	631.0	1150	1438	38%
8	18	5.6	135	8.11	143.2	542.0	1095	1369	46%
10	23	7.0	135	7.66	117.6	445.1	1034	1293	49%
12	28	8.5	135	7.07	86.1	325.9	954	1193	47%
14	32	9.9	135	6.67	43.6	165.0	900	1126	29%
16	37	11.3	135	6.21	0.0	0.0	838	1048	0%

150 Volt Panel Direct

PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Solar Array	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	*Watts	Efficiency
0	0	0.0	150	10.33	237.5	898.9	1550	1937	0%
2	5	1.4	150	10.32	224.3	849.0	1548	1935	13%
4	9	2.8	150	10.28	209.4	792.6	1542	1928	24%
6	14	4.2	150	10.16	193.5	732.4	1524	1905	33%
8	18	5.6	150	9.93	175.8	665.4	1490	1862	41%
10	23	7.0	150	9.37	153.6	581.4	1406	1757	48%
12	28	8.5	150	8.88	128.2	485.2	1332	1665	50%
14	32	9.9	150	8.26	97.4	368.7	1239	1549	48%
16	37	11.3	150	7.87	60.3	228.2	1181	1476	36%
19	44	13.4	150	7.18	0.0	0.0	1077	1346	0%

165 Volt Panel Direct

PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Solar Array	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	*Watts	Efficiency
0	0	0.0	165	11.70	258.3	977.7	1931	2413	0%
2	5	1.4	165	11.71	247.0	934.9	1932	2415	11%
4	9	2.8	165	11.70	234.3	886.8	1931	2413	21%
6	14	4.2	165	11.66	220.0	832.7	1924	2405	30%
8	18	5.6	165	11.57	203.0	768.4	1909	2386	37%
10	23	7.0	165	11.28	185.8	703.3	1861	2327	43%
12	28	8.5	165	10.84	166.3	629.4	1789	2236	49%
14	32	9.9	165	10.41	143.2	542.0	1718	2147	51%
16	37	11.3	165	9.91	117.8	445.9	1635	2044	50%
18	42	12.7	165	9.41	86.6	327.8	1553	1941	44%
20	46	14.1	165	9.08	51.2	193.8	1498	1873	30%
22.5	52	15.8	165	8.42	0.0	0.0	1389	1737	0%

180 Volt Panel Direct

PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Solar Array	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	*Watts	Efficiency
0	0	0.0	180	13.27	277.8	1051.5	2389	2986	0%
2	5	1.4	180	13.28	266.9	1010.2	2390	2988	10%
4	9	2.8	180	13.27	254.2	962.1	2389	2986	19%
6	14	4.2	180	13.24	241.9	915.6	2383	2979	27%
8	18	5.6	180	13.16	226.9	858.8	2369	2961	33%
10	23	7.0	180	12.96	211.2	799.4	2333	2916	39%
12	28	8.5	180	12.62	194.0	734.3	2272	2840	45%
14	32	9.9	180	12.01	174.9	662.0	2162	2702	49%
16	37	11.3	180	11.58	153.6	581.4	2084	2606	51%
18	42	12.7	180	11.11	127.8	483.7	2000	2500	50%
20	46	14.1	180	10.55	100.0	378.5	1899	2374	46%
22	51	15.5	180	10.26	71.1	269.1	1847	2309	37%
24	55	16.9	180	9.82	37.6	142.3	1768	2210	22%
26	60	18.3	180	9.33	0.0	0.0	1679	2099	0%

* Solar Array watts using a 20% deration factor.