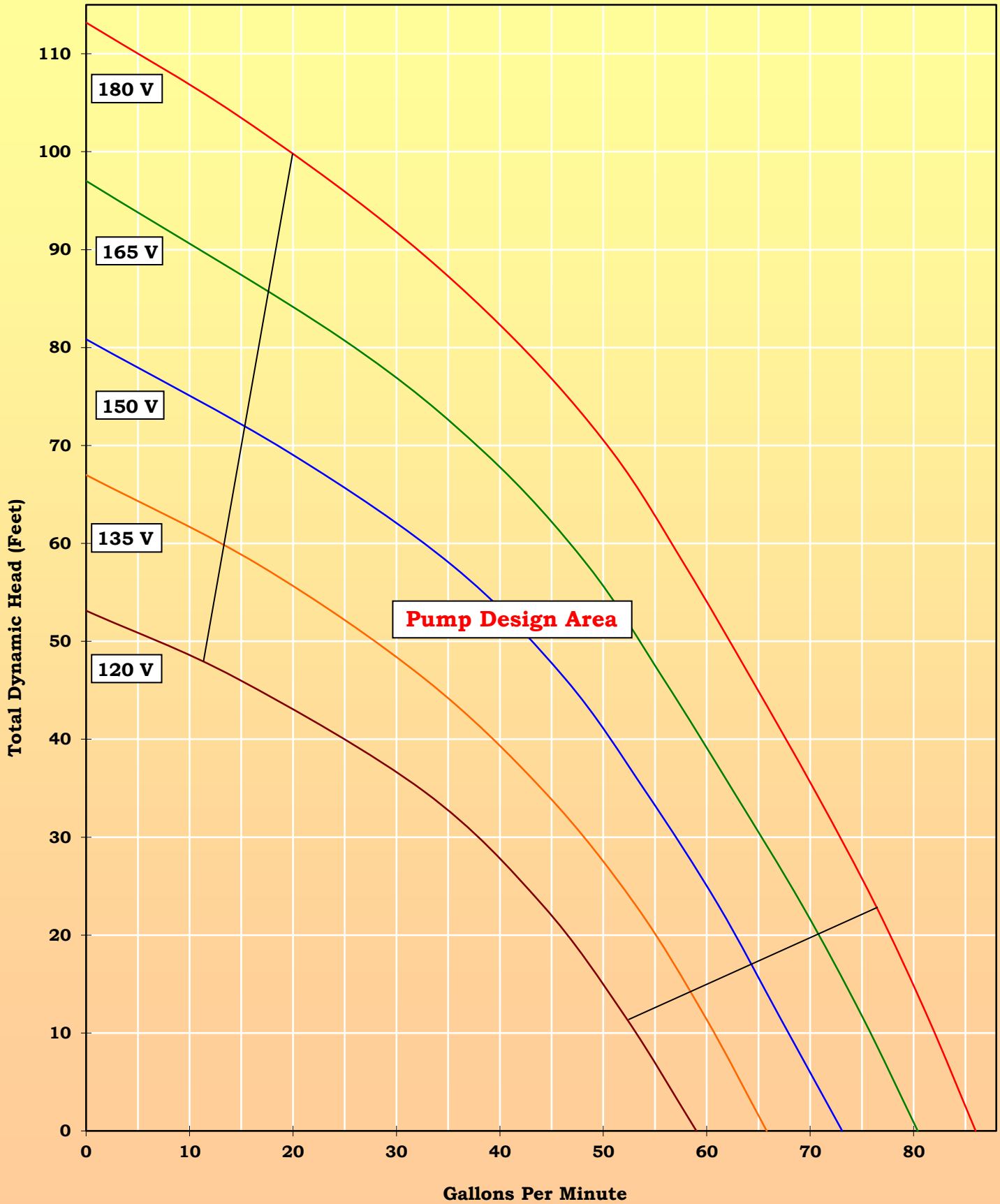


# SunPumps Brushless DC Submersible Model SCS 41-81-180 BL

180 Volt Panel Direct



# *SunPumps Brushless DC Submersible*

## Model SCS 41-81-180 BL

3 HP Motor

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	4.5	59.0	223.3	540	675	0%
5	12	3.5	120	4.6	52.2	197.6	557	696	20%
10	23	7.0	120	4.7	44.1	166.9	565	707	34%
15	35	10.6	120	4.6	32.7	123.8	546	683	39%
20	46	14.1	120	3.9	14.6	55.3	470	588	27%
23	53	16.2	120	3.4	0.0	0.0	404	506	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	5.4	65.8	249.1	722	903	0%
5	12	3.5	135	5.5	59.9	226.7	743	928	18%
10	23	7.0	135	5.6	53.1	201.0	755	943	31%
15	35	10.6	135	5.6	44.3	167.7	751	938	39%
20	46	14.1	135	5.3	32.7	123.8	713	891	40%
25	58	17.6	135	4.6	16.8	63.6	625	781	29%
29	67	20.4	135	4.0	0.0	0.0	539	673	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	6.2	73.1	276.7	933	1166	0%
5	12	3.5	150	6.4	67.1	254.0	953	1191	15%
10	23	7.0	150	6.5	61.1	231.3	974	1217	27%
15	35	10.6	150	6.5	54.1	204.8	981	1226	36%
20	46	14.1	150	6.4	46.3	175.2	963	1204	42%
25	58	17.6	150	6.1	35.4	134.0	912	1140	42%
30	69	21.1	150	5.4	19.6	74.2	812	1014	32%
35	81	24.6	150	4.7	0.0	0.0	699	874	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	7.3	80.4	304.3	1208	1510	0%
5	12	3.5	165	7.5	75.1	284.3	1236	1545	13%
10	23	7.0	165	7.6	69.2	261.9	1256	1570	24%
15	35	10.6	165	7.7	62.6	236.9	1266	1582	32%
20	46	14.1	165	7.7	55.8	211.2	1266	1582	38%
25	58	17.6	165	7.6	48.5	183.6	1249	1561	42%
30	69	21.1	165	7.1	38.5	145.7	1173	1466	43%
35	81	24.6	165	6.4	24.8	93.9	1061	1326	36%
42	97	29.6	165	5.4	0.0	0.0	886	1108	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	8.2	86.0	325.5	1472	1841	0%
5	12	3.5	180	8.3	81.4	308.1	1498	1872	12%
10	23	7.0	180	8.5	76.3	288.8	1525	1906	22%
15	35	10.6	180	8.6	70.5	266.8	1539	1924	30%
20	46	14.1	180	8.6	64.3	243.4	1548	1935	36%
25	58	17.6	180	8.5	57.9	219.2	1537	1922	41%
30	69	21.1	180	8.4	50.9	192.7	1508	1886	44%
35	81	24.6	180	8.0	41.4	156.7	1440	1800	44%
40	92	28.2	180	7.4	29.3	110.9	1334	1667	38%
45	104	31.7	180	6.8	14.3	54.1	1215	1519	23%
49	113	34.5	180	6.1	0.0	0.0	1105	1382	0%

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