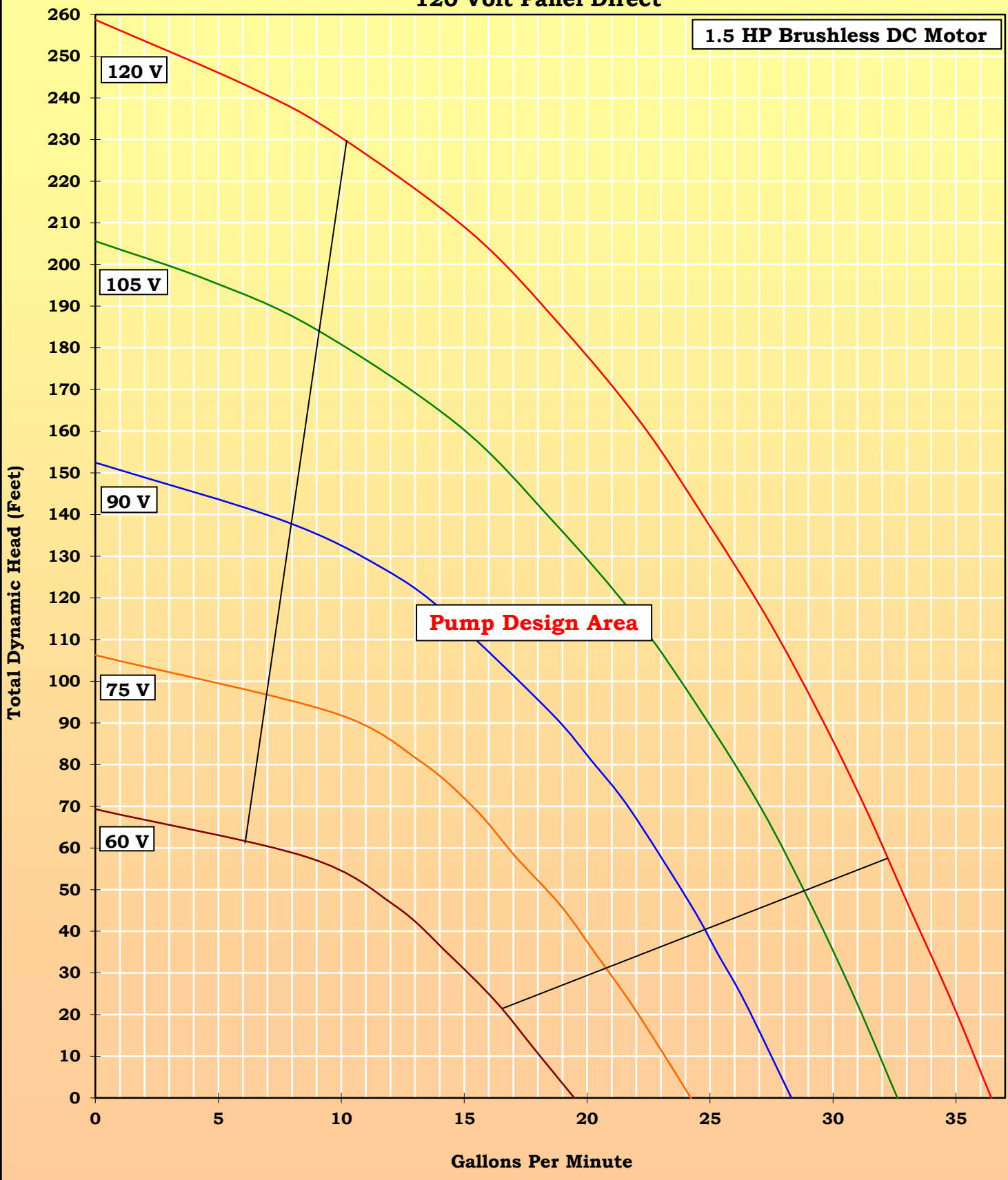


# SunPumps Brushless DC Submersible Model SCS 20-180-120 BL

120 Volt Panel Direct

1.5 HP Brushless DC Motor



# SunPumps Brushless DC Submersible

## Model SCS 20-180-120 BL

### 120 V Brushless DC Motor

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	60	4.5	19.5	73.7	268	335	0%
5	12	3.5	60	4.5	17.9	67.7	272	340	14%
10	23	7.0	60	4.5	16.3	61.7	272	340	26%
15	35	10.6	60	4.4	14.3	54.3	265	331	35%
20	46	14.1	60	4.2	12.2	46.1	254	317	42%
25	58	17.6	60	3.8	8.6	32.7	229	287	41%
30	69	21.1	60	2.6	0.0	0.0	156	195	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	75	6.3	24.2	91.7	470	588	0%
5	12	3.5	75	6.3	23.0	87.1	472	590	11%
10	23	7.0	75	6.3	21.7	82.3	475	593	20%
15	35	10.6	75	6.3	20.3	77.0	474	593	28%
20	46	14.1	75	6.3	18.9	71.6	470	587	35%
25	58	17.6	75	6.1	17.1	64.8	459	574	41%
30	69	21.1	75	5.9	15.5	58.5	442	552	46%
35	81	24.6	75	5.5	13.2	50.0	416	519	48%
40	92	28.2	75	5.1	9.7	36.8	383	479	44%
46	106	32.4	75	3.4	0.0	0.0	258	323	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	90	8.3	28.3	107.2	747	934	0%
10	23	7.0	90	8.4	26.4	100.0	752	939	15%
15	35	10.6	90	8.4	25.3	95.8	754	943	22%
20	46	14.1	90	8.4	24.2	91.7	753	942	28%
30	69	21.1	90	8.2	21.7	82.3	740	925	38%
35	81	24.6	90	8.1	20.2	76.4	732	915	42%
40	92	28.2	90	7.9	18.5	70.1	708	885	46%
50	116	35.2	90	7.3	14.4	54.6	653	817	48%
55	127	38.7	90	6.8	11.7	44.3	614	767	46%
60	139	42.3	90	6.0	7.6	28.8	542	677	37%
66	152	46.5	90	4.5	0.0	0.0	406	507	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	105	10.4	32.6	123.5	1093	1366	0%
10	23	7.0	105	10.5	31.0	117.1	1097	1372	12%
20	46	14.1	105	10.5	29.1	110.2	1101	1377	23%
30	69	21.1	105	10.5	27.1	102.6	1100	1376	32%
40	92	28.2	105	10.3	24.7	93.4	1086	1357	40%
50	116	35.2	105	10.0	22.0	83.1	1053	1316	45%
60	139	42.3	105	9.5	18.6	70.3	993	1242	49%
70	162	49.3	105	8.7	14.7	55.7	918	1147	49%
80	185	56.3	105	7.6	8.9	33.6	794	992	39%
85	196	59.9	105	6.6	4.5	17.2	693	866	24%
89	206	62.7	105	5.5	0.0	0.0	579	723	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	120	12.6	36.4	137.9	1506	1883	0%
10	23	7.0	120	12.6	34.8	131.8	1507	1884	10%
20	46	14.1	120	12.6	33.1	125.2	1511	1889	19%
30	69	21.1	120	12.6	31.3	118.6	1513	1892	27%
40	92	28.2	120	12.5	29.4	111.4	1505	1881	34%
50	116	35.2	120	12.4	27.3	103.3	1486	1857	40%
60	139	42.3	120	12.1	24.8	94.0	1446	1808	45%
70	162	49.3	120	11.6	22.2	84.1	1394	1743	49%
80	185	56.3	120	11.1	19.0	71.9	1327	1659	50%
90	208	63.4	120	10.4	15.2	57.6	1242	1553	48%
100	231	70.4	120	9.0	9.9	37.3	1085	1356	40%
105	243	73.9	120	8.3	6.3	23.8	997	1247	29%
112	259	78.9	120	6.6	0.0	0.0	793	992	0%

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