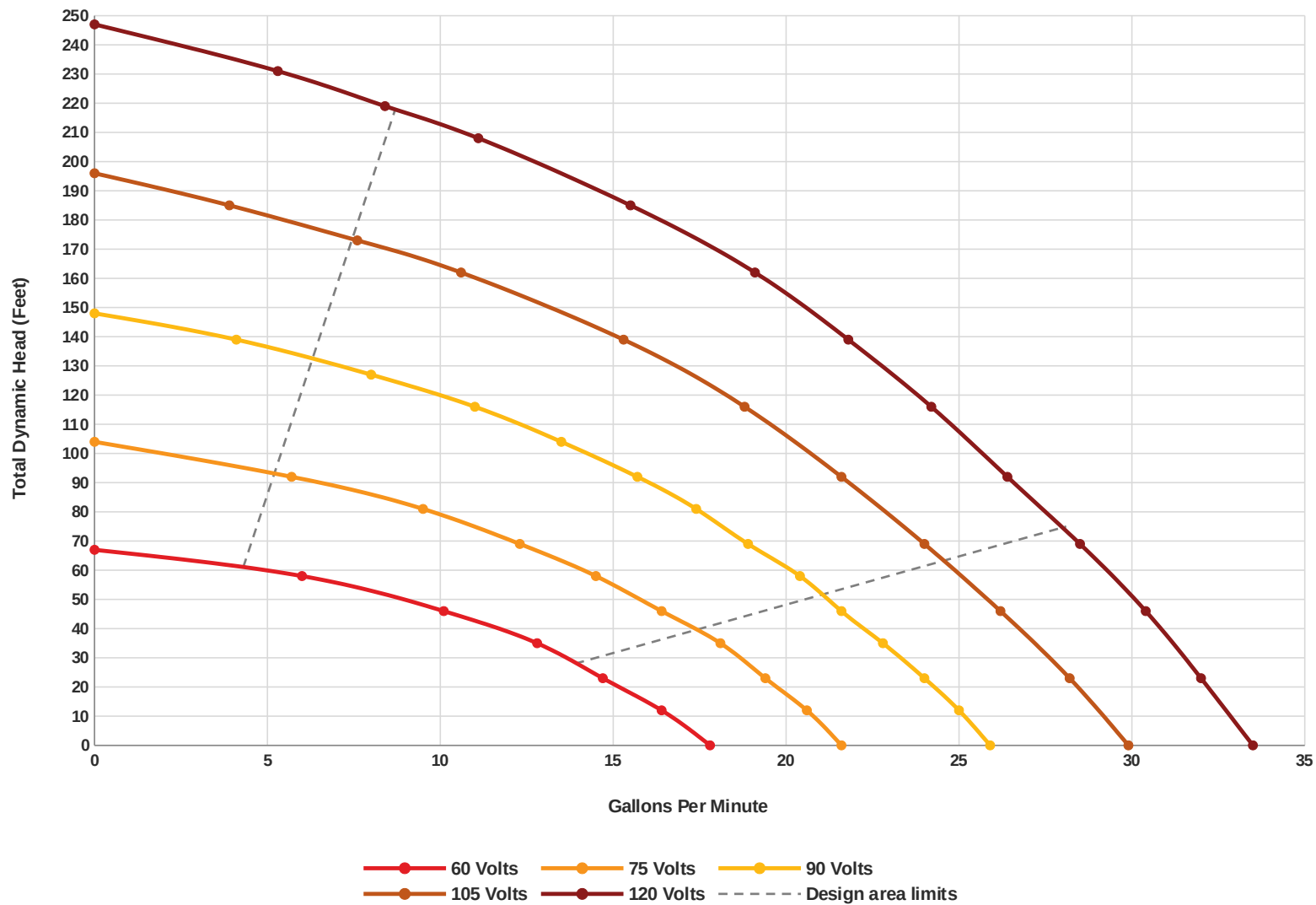


**SunPumps SCS 18-170-120 BL Brushless DC Submersible
120 Volt Panel Direct, 1.5 HP Brushless DC Motor**



SunPumps SCS 18-170-120 BL Brushless DC Submersible

Model SCS 18-170-120 BL, 1.5 HP Brushless DC Motor

60 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	60	3.6	17.8	67.4	214	267	0%
5	12	3.5	60	3.6	16.4	61.9	218	272	16%
10	23	7.0	60	3.7	14.7	55.5	223	279	29%
15	35	10.6	60	3.7	12.8	48.4	223	278	38%
20	46	14.1	60	3.6	10.1	38.2	214	267	41%
25	58	17.6	60	3.1	6.0	22.8	188	236	35%
29	67	20.4	60	2.5	0.0	0.0	152	190	0%

75 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	75	4.9	21.6	81.8	366	458	0%
5	12	3.5	75	5.0	20.6	77.9	374	467	12%
10	23	7.0	75	5.1	19.4	73.4	380	475	22%
15	35	10.6	75	5.2	18.1	68.4	386	483	31%
20	46	14.1	75	5.1	16.4	62.0	385	481	37%
25	58	17.6	75	5.1	14.5	54.9	380	475	42%
30	69	21.1	75	4.9	12.3	46.7	366	458	44%
35	81	24.6	75	4.6	9.5	36.0	343	428	42%
40	92	28.2	75	4.1	5.7	21.6	306	383	32%
45	104	31.7	75	3.4	0.0	0.0	256	320	0%

90 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	90	6.5	25.9	98.0	583	729	0%
5	12	3.5	90	6.5	25.0	94.6	588	735	9%
10	23	7.0	90	6.7	24.0	90.7	600	750	17%
15	35	10.6	90	6.7	22.8	86.2	603	754	25%
20	46	14.1	90	6.8	21.6	81.9	613	766	31%
25	58	17.6	90	6.9	20.4	77.3	617	772	36%
30	69	21.1	90	6.8	18.9	71.7	615	768	40%
35	81	24.6	90	6.7	17.4	65.7	606	757	44%
40	92	28.2	90	6.6	15.7	59.5	598	747	46%
45	104	31.7	90	6.4	13.5	51.1	574	718	46%
50	116	35.2	90	6.1	11.0	41.7	545	681	44%
55	127	38.7	90	5.6	8.0	30.1	500	626	38%
60	139	42.3	90	4.9	4.1	15.3	444	555	24%
64	148	45.1	90	4.4	0.0	0.0	399	498	0%

105 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	105	8.1	29.9	113.1	848	1061	0%
10	23	7.0	105	8.2	28.2	106.6	865	1082	14%
20	46	14.1	105	8.4	26.2	99.0	884	1105	26%
30	69	21.1	105	8.5	24.0	90.9	895	1118	35%
40	92	28.2	105	8.5	21.6	81.6	891	1114	42%
50	116	35.2	105	8.3	18.8	71.0	875	1093	47%
60	139	42.3	105	7.9	15.3	57.8	828	1036	48%
70	162	49.3	105	7.2	10.6	40.1	754	942	43%
75	173	52.8	105	6.7	7.6	28.8	698	873	36%
80	185	56.3	105	6.1	3.9	14.8	639	799	21%
85	196	59.9	105	5.5	0.0	0.0	580	725	0%

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	9.7	33.5	126.8	1166	1458	0%
10	23	7.0	120	9.9	32.0	121.1	1183	1479	12%
20	46	14.1	120	10.1	30.4	114.9	1208	1511	22%
30	69	21.1	120	10.2	28.5	107.8	1224	1530	30%
40	92	28.2	120	10.3	26.4	100.0	1241	1551	37%
50	116	35.2	120	10.3	24.2	91.5	1237	1547	43%
60	139	42.3	120	10.2	21.8	82.4	1218	1523	47%
70	162	49.3	120	9.8	19.1	72.3	1180	1475	49%
80	185	56.3	120	9.3	15.5	58.5	1114	1392	48%
90	208	63.4	120	8.6	11.1	42.0	1028	1286	42%
95	219	66.9	120	8.0	8.4	31.8	964	1205	36%
100	231	70.4	120	7.5	5.3	19.9	899	1124	25%
107	247	75.4	120	6.7	0.0	0.0	798	998	0%

* Solar Array watts using a 20% deration factor.