

SunPumps Brushless DC Submersible Model SCS 10-165-60 BL

60 Volt Panel Direct

3/4 HP Brushless DC Motor



SunPumps Brushless DC Submersible

Model SCS 10-165-60 BL

60 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	30	4.9	9.5	36.1	147	183	0%
5	12	3.5	30	5.0	8.8	33.2	149	187	13%
10	23	7.0	30	5.1	7.9	29.8	152	190	22%
15	35	10.6	30	5.1	7.0	26.3	154	192	30%
20	46	14.1	30	5.1	5.9	22.2	152	191	34%
25	58	17.6	30	4.9	4.5	16.9	146	182	33%
30	69	21.1	30	4.1	2.5	9.4	122	153	26%
35	81	24.6	30	3.3	0.0	0.0	98	123	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	45	8.4	13.9	52.6	378	473	0%
5	12	3.5	45	8.4	13.4	50.5	378	473	8%
10	23	7.0	45	8.5	12.7	48.2	384	480	14%
15	35	10.6	45	8.6	12.1	45.9	387	484	20%
20	46	14.1	45	8.7	11.4	43.2	391	488	25%
25	58	17.6	45	8.8	10.7	40.7	396	494	30%
30	69	21.1	45	8.8	10.0	37.9	398	497	33%
35	81	24.6	45	8.9	9.2	34.9	399	498	35%
40	92	28.2	45	8.8	8.4	31.6	396	496	37%
45	104	31.7	45	8.7	7.5	28.3	391	489	37%
50	116	35.2	45	8.4	6.4	24.3	377	471	37%
55	127	38.7	45	7.9	5.1	19.5	355	444	35%
60	139	42.3	45	7.2	3.6	13.7	322	403	29%
65	150	45.8	45	6.2	1.8	6.9	279	348	19%
69	159	48.6	45	5.3	0.0	0.0	239	299	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	60	12.7	17.7	66.9	763	954	0%
5	12	3.5	60	12.7	17.2	65.3	761	951	5%
10	23	7.0	60	12.8	16.8	63.6	767	959	10%
15	35	10.6	60	12.9	16.4	61.9	774	968	14%
20	46	14.1	60	13.0	15.9	60.0	777	971	18%
25	58	17.6	60	13.0	15.4	58.2	780	975	21%
30	69	21.1	60	13.0	14.9	56.2	782	978	25%
35	81	24.6	60	13.1	14.3	54.2	788	985	28%
40	92	28.2	60	13.2	13.8	52.2	793	992	30%
45	104	31.7	60	13.2	13.2	50.0	793	992	33%
50	116	35.2	60	13.3	12.6	47.7	796	995	34%
55	127	38.7	60	13.3	12.0	45.5	796	995	36%
60	139	42.3	60	13.3	11.4	43.2	795	994	38%
65	150	45.8	60	13.2	10.8	40.8	793	992	38%
70	162	49.3	60	13.1	10.1	38.3	788	986	39%
75	173	52.8	60	13.0	9.4	35.5	779	974	39%
80	185	56.3	60	12.8	8.6	32.5	766	958	39%
85	196	59.9	60	12.5	7.8	29.4	749	937	38%
90	208	63.4	60	12.1	6.8	25.7	724	905	37%
95	219	66.9	60	11.5	5.7	21.7	689	861	34%
100	231	70.4	60	10.7	4.5	16.9	640	800	30%
105	243	73.9	60	9.8	3.1	11.8	589	736	24%
110	254	77.5	60	8.9	1.7	6.3	535	669	15%
116	268	81.7	60	7.8	0.0	0.0	466	582	0%

* Solar array watts using a 20% deration factor.