

SunPumps Brushless DC Submersible Model SCS 25-180-240Y BL

240 Volt Panel Direct

3 HP Brushless DC Motor



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PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	180	5.3	30.4	115.1	945	1181	0%
10	23	7.0	180	5.3	28.8	109.2	952	1190	13%
20	46	14.1	180	5.3	26.9	101.7	959	1199	24%
30	69	21.1	180	5.3	24.7	93.3	950	1188	34%
40	92	28.2	180	5.1	21.9	82.8	923	1154	41%
50	116	35.2	180	4.9	18.7	70.9	882	1103	46%
60	139	42.3	180	4.6	14.8	56.0	828	1035	47%
70	162	49.3	180	4.0	9.6	36.3	725	907	40%
82	189	57.8	180	3.0	0.0	0.0	547	684	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	195	5.9	32.7	123.8	1141	1426	0%
10	23	7.0	195	5.9	31.1	117.7	1147	1433	12%
20	46	14.1	195	5.9	29.2	110.4	1151	1438	22%
30	69	21.1	195	5.9	27.2	103.0	1149	1436	31%
40	92	28.2	195	5.8	24.9	94.4	1135	1419	38%
50	116	35.2	195	5.7	22.4	84.6	1108	1385	44%
60	139	42.3	195	5.4	19.2	72.7	1059	1324	47%
70	162	49.3	195	5.1	15.5	58.7	1002	1253	47%
80	185	56.3	195	4.7	10.9	41.1	911	1138	42%
90	208	63.4	195	4.1	3.8	14.5	790	987	19%
94	217	66.2	195	3.4	0.0	0.0	653	817	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	210	6.5	34.7	131.4	1359	1698	0%
10	23	7.0	210	6.5	33.3	126.1	1369	1712	11%
20	46	14.1	210	6.6	31.6	119.7	1380	1725	20%
30	69	21.1	210	6.6	29.9	113.0	1386	1733	28%
40	92	28.2	210	6.5	27.9	105.7	1371	1714	35%
50	116	35.2	210	6.5	25.7	97.2	1359	1698	41%
60	139	42.3	210	6.3	23.1	87.4	1317	1646	46%
70	162	49.3	210	6.0	20.0	75.7	1256	1570	48%
80	185	56.3	210	5.6	16.2	61.5	1176	1470	48%
90	208	63.4	210	4.9	11.4	43.0	1031	1289	43%
100	231	70.4	210	4.3	4.5	17.0	907	1134	22%
105	243	73.9	210	3.7	0.0	0.0	771	963	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	225	7.1	36.7	138.8	1591	1988	0%
10	23	7.0	225	7.1	35.3	133.4	1589	1986	10%
20	46	14.1	225	7.1	33.6	127.3	1593	1991	18%
30	69	21.1	225	7.1	32.0	121.0	1602	2003	26%
40	92	28.2	225	7.1	30.2	114.3	1598	1997	33%
50	116	35.2	225	7.0	28.2	106.7	1584	1980	39%
60	139	42.3	225	6.9	25.9	98.0	1550	1938	44%
70	162	49.3	225	6.7	23.4	88.7	1508	1884	47%
80	185	56.3	225	6.4	20.5	77.7	1445	1806	49%
90	208	63.4	225	6.1	17.1	64.6	1364	1704	49%
100	231	70.4	225	5.6	12.7	48.0	1253	1567	44%
110	254	77.5	225	5.0	6.7	25.3	1130	1412	28%
118	273	83.1	225	4.0	0.0	0.0	909	1136	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	240	7.8	38.9	147.0	1867	2334	0%
10	23	7.0	240	7.8	37.5	141.9	1870	2337	9%
20	46	14.1	240	7.8	36.0	136.2	1879	2349	17%
30	69	21.1	240	7.9	34.5	130.4	1891	2364	24%
40	92	28.2	240	7.9	32.8	124.3	1891	2364	30%
50	116	35.2	240	7.8	31.0	117.5	1879	2349	36%
60	139	42.3	240	7.6	29.1	110.0	1812	2265	42%
70	162	49.3	240	7.6	26.8	101.6	1819	2274	45%
80	185	56.3	240	7.4	24.4	92.4	1771	2214	48%
90	208	63.4	240	7.1	21.6	81.8	1706	2133	50%
100	231	70.4	240	6.8	18.5	70.0	1632	2040	49%
110	254	77.5	240	6.3	14.7	55.6	1512	1890	46%
120	277	84.5	240	5.7	9.8	37.0	1373	1716	37%
133	307	93.7	240	4.4	0.0	0.0	1051	1314	0%

* Solar array watts using a 20% deration factor.