

# SunPumps Brushless DC Submersible Model SCS 12-375-180 BL

180 Volt Panel Direct

3 HP Brushless DC Motor



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## **Model SCS 12-375-180 BLS**

3 HP Brushless DC 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	135	7.48	18.6	70.4	1010	1262	0%
20	46	14.1	135	7.50	17.3	65.3	1013	1266	15%
40	92	28.2	135	7.48	15.7	59.4	1010	1262	27%
60	139	42.3	135	7.40	13.9	52.7	999	1249	36%
80	185	56.3	135	7.19	11.8	44.5	971	1213	42%
100	231	70.4	135	6.62	9.2	34.6	894	1117	45%
120	277	84.5	135	5.63	5.0	18.9	760	950	34%
132	305	93.0	135	3.86	0.0	0.0	521	651	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	8.70	20.4	77.2	1305	1631	0%
20	46	14.1	150	8.77	19.2	72.8	1316	1644	13%
40	92	28.2	150	8.81	17.9	67.8	1322	1652	24%
60	139	42.3	150	8.81	16.5	62.3	1322	1652	33%
80	185	56.3	150	8.71	14.7	55.6	1307	1633	39%
100	231	70.4	150	8.44	12.6	47.6	1266	1583	43%
120	277	84.5	150	7.90	10.1	38.0	1185	1481	44%
140	323	98.6	150	7.03	6.8	25.9	1055	1318	39%
150	347	105.6	150	6.23	3.9	14.9	935	1168	27%
158	365	111.3	150	4.61	0.0	0.0	692	864	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	10.15	22.1	83.6	1675	2093	0%
20	46	14.1	165	10.19	21.0	79.4	1681	2102	11%
40	92	28.2	165	10.18	19.8	74.8	1680	2100	20%
60	139	42.3	165	10.14	18.4	69.8	1673	2091	29%
80	185	56.3	165	10.08	17.0	64.5	1663	2079	36%
100	231	70.4	165	9.94	15.3	57.9	1640	2050	41%
120	277	84.5	165	9.64	13.4	50.6	1591	1988	44%
140	323	98.6	165	9.23	11.2	42.5	1523	1904	45%
160	370	112.7	165	8.55	8.5	32.3	1411	1763	42%
180	416	126.8	165	7.02	4.3	16.3	1158	1448	29%
189	437	133.1	165	5.30	0.0	0.0	875	1093	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	11.36	23.6	89.3	2045	2556	0%
20	46	14.1	180	11.40	22.6	85.6	2052	2565	10%
40	92	28.2	180	11.47	21.5	81.5	2065	2581	18%
60	139	42.3	180	11.52	20.4	77.2	2074	2592	26%
80	185	56.3	180	11.50	19.1	72.4	2070	2588	32%
100	231	70.4	180	11.48	17.7	67.0	2066	2583	37%
120	277	84.5	180	11.34	16.0	60.6	2041	2552	41%
140	323	98.6	180	11.07	14.3	53.9	1993	2491	44%
160	370	112.7	180	10.53	12.2	46.3	1895	2369	45%
180	416	126.8	180	9.91	9.9	37.3	1784	2230	43%
200	462	140.9	180	8.72	6.5	24.7	1570	1962	36%
222	513	156.3	180	6.32	0.0	0.0	1138	1422	0%

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