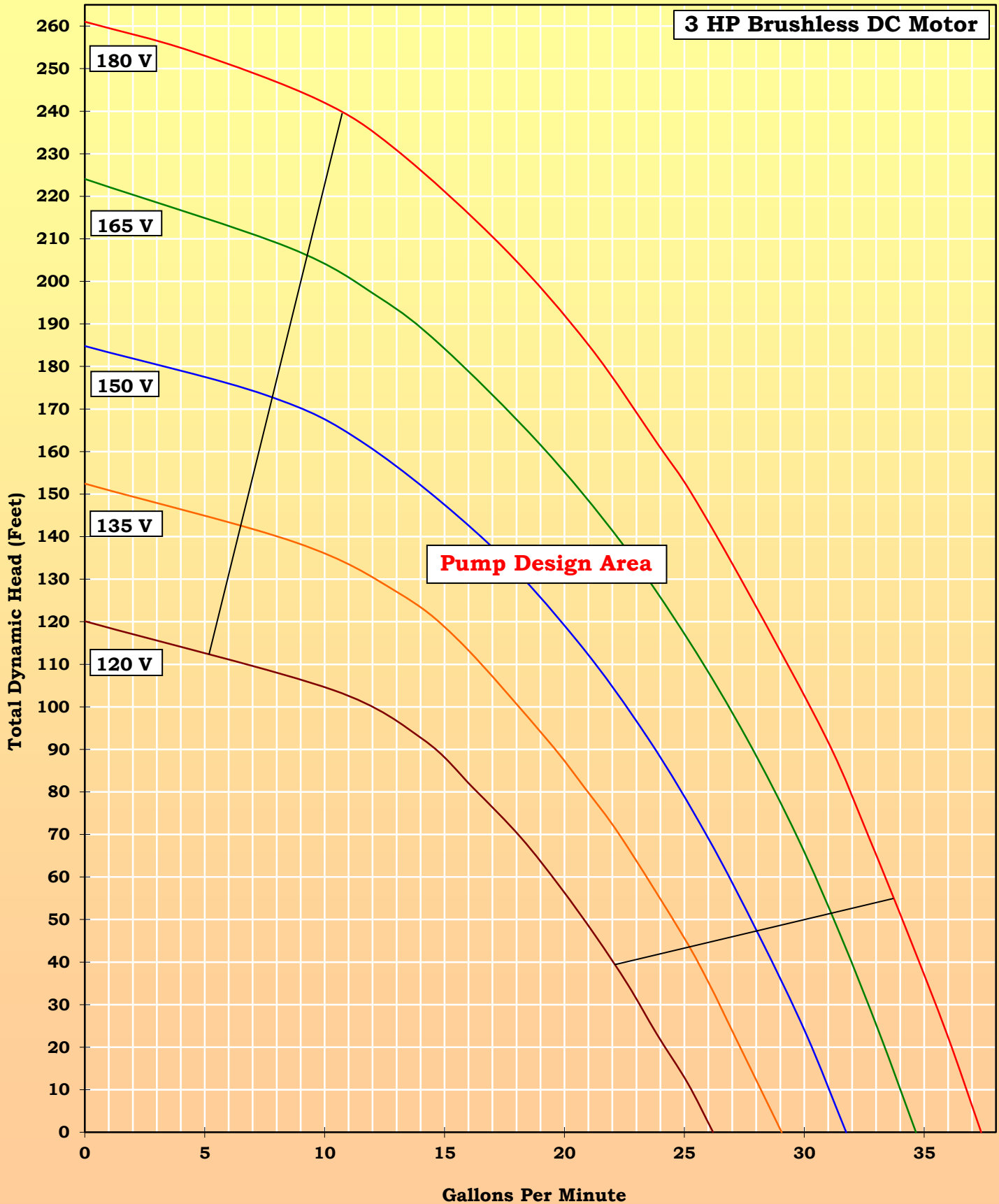


SunPumps Brushless DC Submersible Model SCS 20-190-180 BL

180 Volt Panel Direct

3 HP Brushless DC Motor



SunPumps Brushless DC Submersible Model SCS 20-190-180 BL

3 HP 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	120	5.08	26.2	99.2	610	762	0%
5	12	3.5	120	5.10	25.1	95.2	612	765	9%
10	23	7.0	120	5.12	23.9	90.3	614	768	17%
15	35	10.6	120	5.13	22.7	85.7	616	770	24%
20	46	14.1	120	5.10	21.3	80.6	612	765	30%
25	58	17.6	120	5.02	19.8	75.0	602	753	36%
30	69	21.1	120	4.94	18.2	68.8	593	741	40%
35	81	24.6	120	4.80	16.2	61.4	576	720	43%
40	92	28.2	120	4.55	14.1	53.3	546	683	45%
45	104	31.7	120	4.21	10.4	39.2	505	632	40%
52	120	36.6	120	2.83	0.0	0.0	340	425	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	135	6.02	29.1	110.0	813	1016	0%
10	23	7.0	135	6.09	27.1	102.4	822	1028	14%
15	35	10.6	135	6.11	26.1	98.6	825	1031	21%
20	46	14.1	135	6.11	24.9	94.4	825	1031	26%
30	69	21.1	135	6.02	22.4	84.7	813	1016	36%
35	81	24.6	135	5.94	20.9	79.0	802	1002	40%
40	92	28.2	135	5.81	19.3	72.9	784	980	43%
50	116	35.2	135	5.41	15.6	59.1	730	913	47%
55	127	38.7	135	5.11	13.0	49.2	690	862	45%
60	139	42.3	135	4.58	8.8	33.3	618	773	37%
66	152	46.5	135	3.37	0.0	0.0	455	569	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	6.95	31.8	120.2	1043	1303	0%
10	23	7.0	150	7.06	30.1	113.9	1059	1324	12%
20	46	14.1	150	7.11	28.1	106.4	1067	1333	23%
30	69	21.1	150	7.07	26.0	98.3	1061	1326	32%
40	92	28.2	150	6.96	23.5	89.0	1044	1305	39%
50	116	35.2	150	6.71	20.5	77.7	1007	1258	44%
60	139	42.3	150	6.30	16.8	63.6	945	1181	46%
70	162	49.3	150	5.60	11.7	44.3	840	1050	42%
75	173	52.8	150	5.00	7.6	28.6	750	938	33%
80	185	56.3	150	3.86	0.0	0.0	579	724	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	8.27	34.7	131.2	1365	1706	0%
10	23	7.0	165	8.35	33.2	125.5	1378	1722	10%
20	46	14.1	165	8.40	31.5	119.3	1386	1733	20%
30	69	21.1	165	8.41	29.7	112.5	1388	1735	28%
40	92	28.2	165	8.33	27.6	104.5	1374	1718	35%
50	116	35.2	165	8.15	25.2	95.3	1345	1681	41%
60	139	42.3	165	7.88	22.4	84.7	1300	1625	45%
70	162	49.3	165	7.48	19.0	71.8	1234	1543	47%
80	185	56.3	165	6.85	14.9	56.3	1130	1413	46%
85	196	59.9	165	6.42	12.2	46.3	1059	1324	43%
90	208	63.4	165	5.78	8.5	32.3	954	1192	35%
97	224	68.3	165	4.40	0.0	0.0	726	908	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	9.26	37.4	141.5	1667	2084	0%
10	23	7.0	180	9.33	36.0	136.1	1679	2099	9%
20	46	14.1	180	9.39	34.4	130.1	1690	2113	18%
30	69	21.1	180	9.42	32.7	123.8	1696	2120	25%
40	92	28.2	180	9.40	30.9	117.1	1692	2115	32%
55	127	38.7	180	9.15	27.7	104.7	1647	2059	40%
65	150	45.8	180	9.00	25.3	95.8	1620	2025	44%
70	162	49.3	180	8.82	23.9	90.5	1588	1985	46%
80	185	56.3	180	8.41	21.0	79.6	1514	1892	48%
90	208	63.4	180	7.95	17.5	66.1	1431	1789	48%
100	231	70.4	180	7.16	13.0	49.1	1289	1611	44%
105	243	73.9	180	6.58	9.8	37.1	1184	1481	38%
110	254	77.5	180	6.01	4.4	16.8	1082	1352	20%
113	261	79.6	180	4.97	0.0	0.0	895	1118	0%

* Solar array watts using a 20% deration factor.