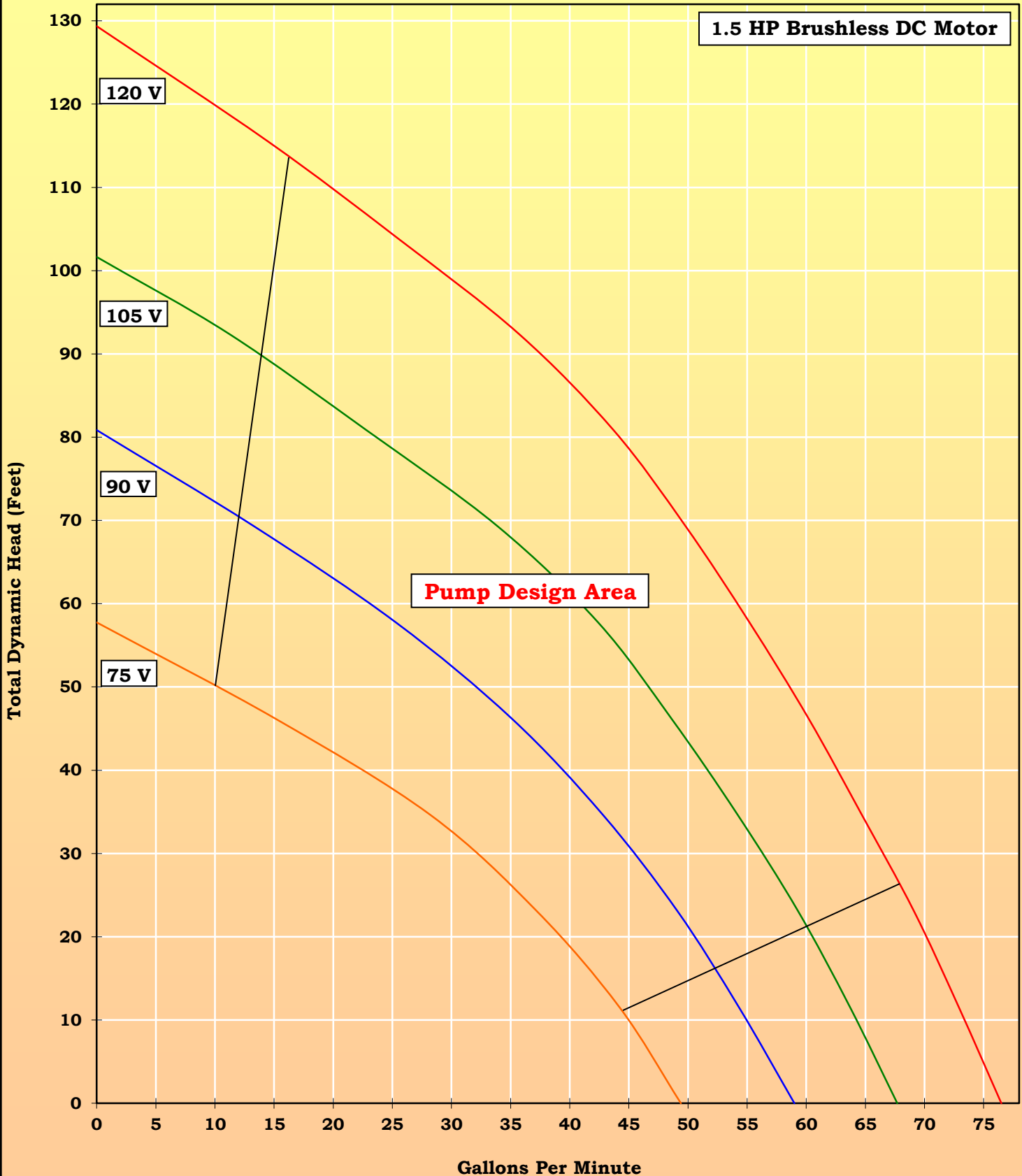


# SunPumps Brushless DC Submersible Model SCS 44-80-120 BL

120 Volt Panel Direct

1.5 HP Brushless DC Motor



# *SunPumps Brushless DC Submersible*

## Model SCS 44-80-120 BL

### 1.5 HP 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	75	4.84	49.4	187.0	363	454	0%
5	12	3.5	75	5.48	44.2	167.3	411	514	23%
10	23	7.0	75	5.74	37.2	140.8	431	538	38%
15	35	10.6	75	5.71	28.2	106.7	428	535	43%
20	46	14.1	75	4.67	15.1	57.2	350	438	38%
25	58	17.6	75	3.55	0.0	0.0	266	333	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	90	6.35	59.0	223.3	572	714	0%
5	12	3.5	90	6.99	54.3	205.5	629	786	19%
10	23	7.0	90	7.34	49.1	185.8	661	826	32%
15	35	10.6	90	7.54	42.8	162.0	679	848	41%
20	46	14.1	90	7.54	35.1	132.9	679	848	45%
25	58	17.6	90	6.97	25.3	95.8	627	784	44%
30	69	21.1	90	5.72	13.3	50.3	515	644	34%
35	81	24.6	90	4.61	0.0	0.0	415	519	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	105	7.98	67.7	256.2	838	1047	0%
5	12	3.5	105	8.67	63.7	241.1	910	1138	15%
10	23	7.0	105	9.04	59.3	224.5	949	1187	27%
15	35	10.6	105	9.30	54.2	205.1	977	1221	36%
20	46	14.1	105	9.52	48.6	184.0	1000	1250	42%
25	58	17.6	105	9.50	42.4	160.5	998	1247	46%
30	69	21.1	105	9.13	33.9	128.3	959	1198	46%
35	81	24.6	105	8.27	22.8	86.3	868	1085	40%
40	92	28.2	105	7.07	11.2	42.4	742	928	26%
44	102	31.0	105	5.81	0.0	0.0	610	763	0%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array *Watts	Efficiency
0	0	0.0	120	9.65	76.5	289.6	1158	1448	0%
5	12	3.5	120	10.39	72.9	275.9	1247	1559	13%
10	23	7.0	120	10.83	69.1	261.5	1300	1625	23%
15	35	10.6	120	11.12	64.7	244.9	1334	1668	32%
20	46	14.1	120	11.42	60.2	227.9	1370	1713	38%
25	58	17.6	120	11.64	55.2	208.9	1397	1746	43%
30	69	21.1	120	11.71	49.8	188.5	1405	1757	46%
35	81	24.6	120	11.48	43.7	165.4	1378	1722	48%
40	92	28.2	120	11.03	35.7	135.1	1324	1655	47%
45	104	31.7	120	9.97	25.4	96.1	1196	1496	42%
50	116	35.2	120	8.76	14.5	54.9	1051	1314	30%
56	129	39.4	120	6.89	0.0	0.0	827	1034	0%

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