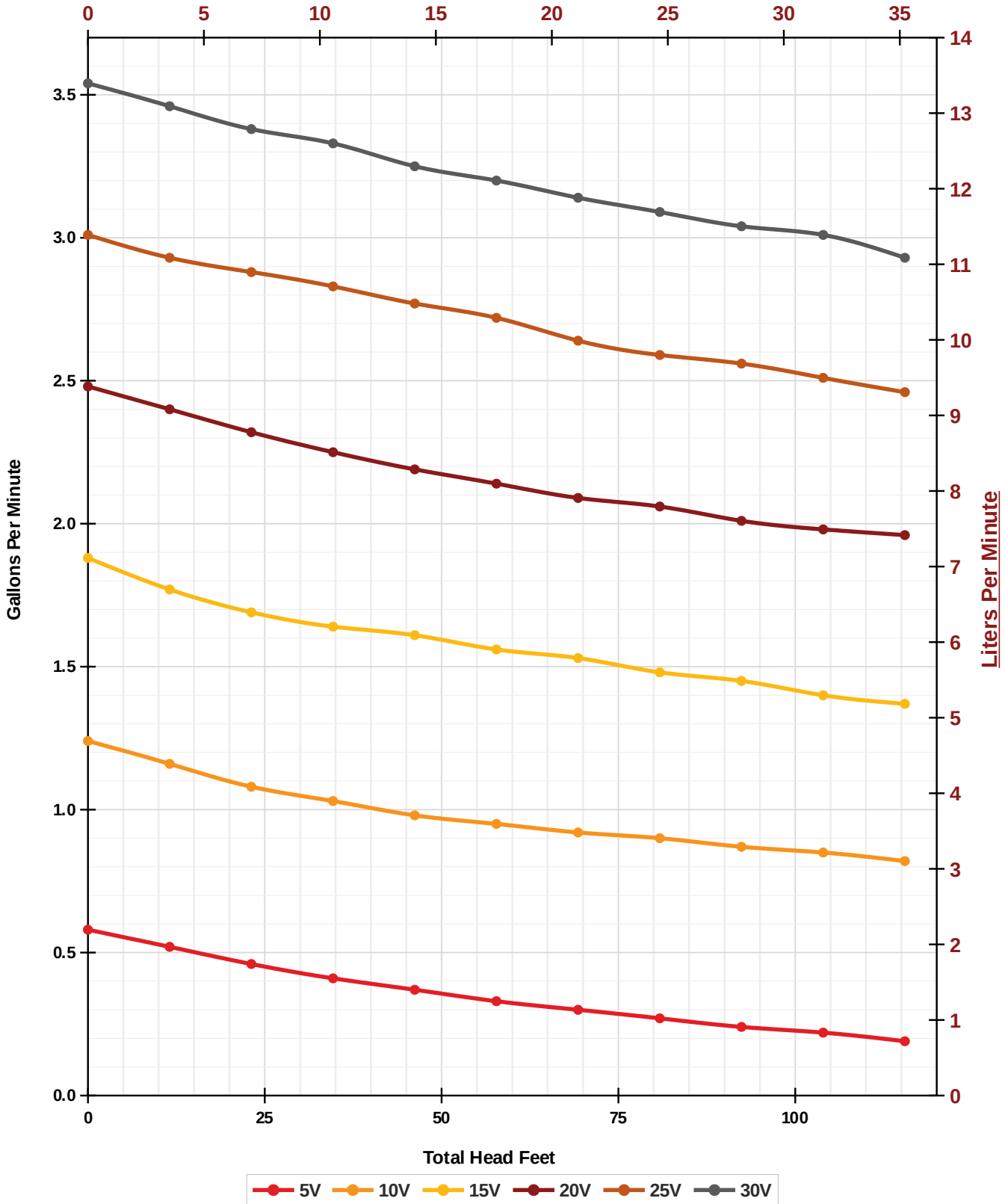


SunPumps SDS-Q-128 Submersible Pump

Total Head Meters



SunPumps SDS-Q Series Submersible Pump

Model SDS-Q-128

5 Volts

PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Peak Panel	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	Watts*	Efficiency
0	0.0	0.0	5.0	0.80	0.58	2.20	4	5	0.0%
5	11.6	3.5	5.0	1.06	0.52	1.97	5	7	21.3%
10	23.1	7.0	5.0	1.37	0.46	1.74	7	9	29.2%
15	34.7	10.6	5.0	1.63	0.41	1.55	8	10	32.8%
20	46.2	14.1	5.0	1.95	0.37	1.40	10	12	33.0%
25	57.8	17.6	5.0	2.24	0.33	1.25	11	14	32.1%
30	69.3	21.1	5.0	2.54	0.30	1.14	13	16	30.8%
35	80.9	24.6	5.0	2.82	0.27	1.02	14	18	29.2%
40	92.4	28.2	5.0	3.13	0.24	0.91	16	20	26.7%
45	104.0	31.7	5.0	3.45	0.22	0.83	17	22	25.0%
50	115.5	35.2	5.0	3.67	0.19	0.72	18	23	22.5%

10 Volts

PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Peak Panel	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	Watts*	Efficiency
0	0.0	0.0	10.0	1.04	1.24	4.69	10	13	0.0%
5	11.6	3.5	10.0	1.28	1.16	4.39	13	16	19.7%
10	23.1	7.0	10.0	1.57	1.08	4.09	16	20	29.9%
15	34.7	10.6	10.0	1.84	1.03	3.90	18	23	36.5%
20	46.2	14.1	10.0	2.12	0.98	3.71	21	27	40.2%
25	57.8	17.6	10.0	2.42	0.95	3.60	24	30	42.7%
30	69.3	21.1	10.0	2.70	0.92	3.48	27	34	44.5%
35	80.9	24.6	10.0	2.98	0.90	3.41	30	37	46.0%
40	92.4	28.2	10.0	3.27	0.87	3.29	33	41	46.3%
45	104.0	31.7	10.0	3.55	0.85	3.22	36	44	46.9%
50	115.5	35.2	10.0	3.77	0.82	3.10	38	47	47.3%

15 Volts

PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Peak Panel	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	Watts*	Efficiency
0	0.0	0.0	15.0	1.15	1.88	7.12	17	22	0.0%
5	11.6	3.5	15.0	1.38	1.77	6.70	21	26	18.6%
10	23.1	7.0	15.0	1.69	1.69	6.40	25	32	29.0%
15	34.7	10.6	15.0	1.98	1.64	6.21	30	37	36.0%
20	46.2	14.1	15.0	2.25	1.61	6.09	34	42	41.5%
25	57.8	17.6	15.0	2.52	1.56	5.90	38	47	44.9%
30	69.3	21.1	15.0	2.80	1.53	5.79	42	53	47.6%
35	80.9	24.6	15.0	3.07	1.48	5.60	46	58	49.0%
40	92.4	28.2	15.0	3.35	1.45	5.49	50	63	50.2%
45	104.0	31.7	15.0	3.63	1.40	5.30	54	68	50.3%
50	115.5	35.2	15.0	3.89	1.37	5.19	58	73	51.1%

20 Volts									
PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Peak Panel	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	Watts*	Efficiency
0	0.0	0.0	20.0	1.24	2.48	9.39	25	31	0.0%
5	11.6	3.5	20.0	1.49	2.40	9.08	30	37	17.5%
10	23.1	7.0	20.0	1.78	2.32	8.78	36	45	28.4%
15	34.7	10.6	20.0	2.09	2.25	8.52	42	52	35.1%
20	46.2	14.1	20.0	2.37	2.19	8.29	47	59	40.2%
25	57.8	17.6	20.0	2.62	2.14	8.10	52	66	44.4%
30	69.3	21.1	20.0	2.89	2.09	7.91	58	72	47.2%
35	80.9	24.6	20.0	3.18	2.06	7.80	64	80	49.3%
40	92.4	28.2	20.0	3.45	2.01	7.61	69	86	50.7%
45	104.0	31.7	20.0	3.76	1.98	7.49	75	94	51.6%
50	115.5	35.2	20.0	4.02	1.96	7.42	80	100	53.0%

25 Volts									
PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Peak Panel	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	Watts*	Efficiency
0	0.0	0.0	25.0	1.35	3.01	11.39	34	42	0.0%
5	11.6	3.5	25.0	1.59	2.93	11.09	40	50	16.0%
10	23.1	7.0	25.0	1.86	2.88	10.90	47	58	27.0%
15	34.7	10.6	25.0	2.18	2.83	10.71	55	68	33.9%
20	46.2	14.1	25.0	2.47	2.77	10.48	62	77	39.0%
25	57.8	17.6	25.0	2.72	2.72	10.30	68	85	43.5%
30	69.3	21.1	25.0	3.01	2.64	9.99	75	94	45.8%
35	80.9	24.6	25.0	3.30	2.59	9.80	83	103	47.8%
40	92.4	28.2	25.0	3.56	2.56	9.69	89	111	50.1%
45	104.0	31.7	25.0	3.81	2.51	9.50	95	119	51.6%
50	115.5	35.2	25.0	4.10	2.46	9.31	102	128	52.2%

30 Volts									
PSI	TDH	TDH	Motor	Motor	U.S.		Motor	Peak Panel	System
	Feet	Meters	Voltage	Amps	GPM	LPM	Watts	Watts*	Efficiency
0	0.0	0.0	30.0	1.31	3.54	13.40	39	49	0.0%
5	11.6	3.5	30.0	1.67	3.46	13.10	50	63	15.0%
10	23.1	7.0	30.0	1.94	3.38	12.79	58	73	25.3%
15	34.7	10.6	30.0	2.24	3.33	12.60	67	84	32.3%
20	46.2	14.1	30.0	2.54	3.25	12.30	76	95	37.1%
25	57.8	17.6	30.0	2.84	3.20	12.11	85	106	40.9%
30	69.3	21.1	30.0	3.12	3.14	11.88	94	117	43.8%
35	80.9	24.6	30.0	3.40	3.09	11.70	102	128	46.1%
40	92.4	28.2	30.0	3.64	3.04	11.51	109	137	48.5%
45	104.0	31.7	30.0	3.87	3.01	11.39	116	145	50.8%
50	115.5	35.2	30.0	4.13	2.93	11.09	124	155	51.5%

* Using a 20% deration factor.