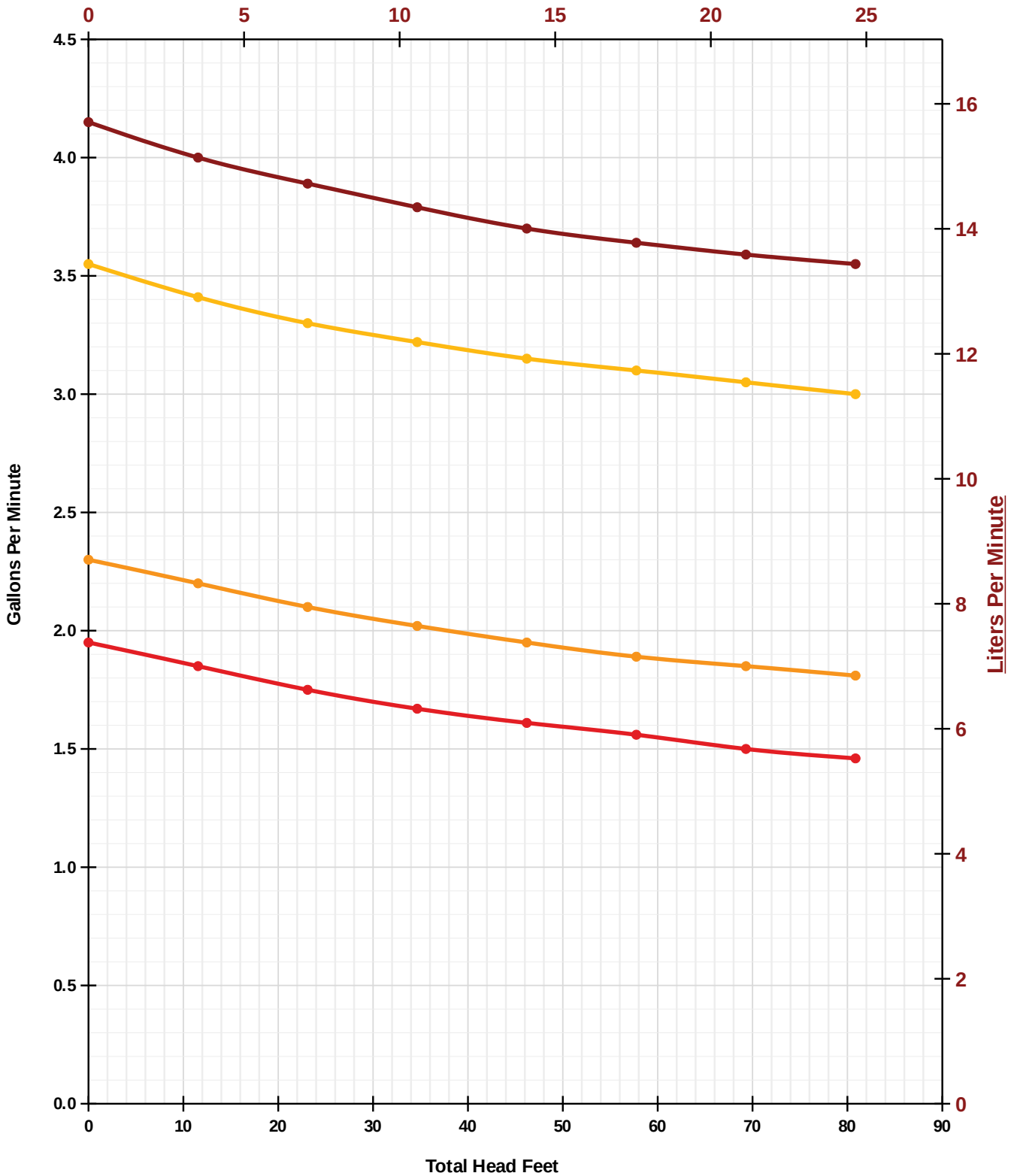


SunPumps SDS-Q-130 Submersible Pump

Total Head Meters



12.5V Battery 15V Panel Direct 25V Battery 30V Panel Direct

SunPumps SDS-Q Series Submersible Pump

Model SDS-Q-130

12 Volt Battery

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	12.5	1.24	1.95	7.38	16	19	0.0%
5	11.6	3.5	12.5	1.65	1.85	7.00	21	26	19.5%
10	23.1	7.0	12.5	2.00	1.75	6.62	25	31	30.5%
15	34.7	10.6	12.5	2.30	1.67	6.32	29	36	37.9%
20	46.2	14.1	12.5	2.65	1.61	6.09	33	41	42.3%
25	57.8	17.6	12.5	2.95	1.56	5.90	37	46	46.0%
30	69.3	21.1	12.5	3.30	1.50	5.68	41	52	47.5%
35	80.9	24.6	12.5	3.63	1.46	5.53	45	57	49.0%

17 Volt Panel Direct

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	1.29	2.30	8.71	19	24	0.0%
5	11.6	3.5	15.0	1.59	2.20	8.33	24	30	20.1%
10	23.1	7.0	15.0	2.09	2.10	7.95	31	39	29.1%
15	34.7	10.6	15.0	2.43	2.02	7.65	36	46	36.2%
20	46.2	14.1	15.0	2.74	1.95	7.38	41	51	41.3%
25	57.8	17.6	15.0	3.06	1.89	7.15	46	57	44.8%
30	69.3	21.1	15.0	3.38	1.85	7.00	51	63	47.6%
35	80.9	24.6	15.0	3.71	1.81	6.85	56	70	49.5%

24 Volt Battery

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	1.69	3.55	13.44	42	53	0.0%
5	11.6	3.5	25.0	2.02	3.41	12.91	51	63	14.7%
10	23.1	7.0	25.0	2.34	3.30	12.49	59	73	24.5%
15	34.7	10.6	25.0	2.66	3.22	12.19	67	83	31.6%
20	46.2	14.1	25.0	3.04	3.15	11.92	76	95	36.1%
25	57.8	17.6	25.0	3.42	3.10	11.73	86	107	39.4%
30	69.3	21.1	25.0	3.74	3.05	11.54	94	117	42.6%
35	80.9	24.6	25.0	4.01	3.00	11.36	100	125	45.6%

34 Volt Panel Direct

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	1.89	4.15	15.71	57	71	0.0%
5	11.6	3.5	30.0	2.17	4.00	15.14	65	81	13.4%
10	23.1	7.0	30.0	2.51	3.89	14.72	75	94	22.5%
15	34.7	10.6	30.0	2.83	3.79	14.35	85	106	29.1%
20	46.2	14.1	30.0	3.15	3.70	14.00	95	118	34.1%
25	57.8	17.6	30.0	3.47	3.64	13.78	104	130	38.0%
30	69.3	21.1	30.0	3.78	3.59	13.59	113	142	41.3%
35	80.9	24.6	30.0	4.10	3.55	13.44	123	154	44.0%

* Using a 20% deration factor.