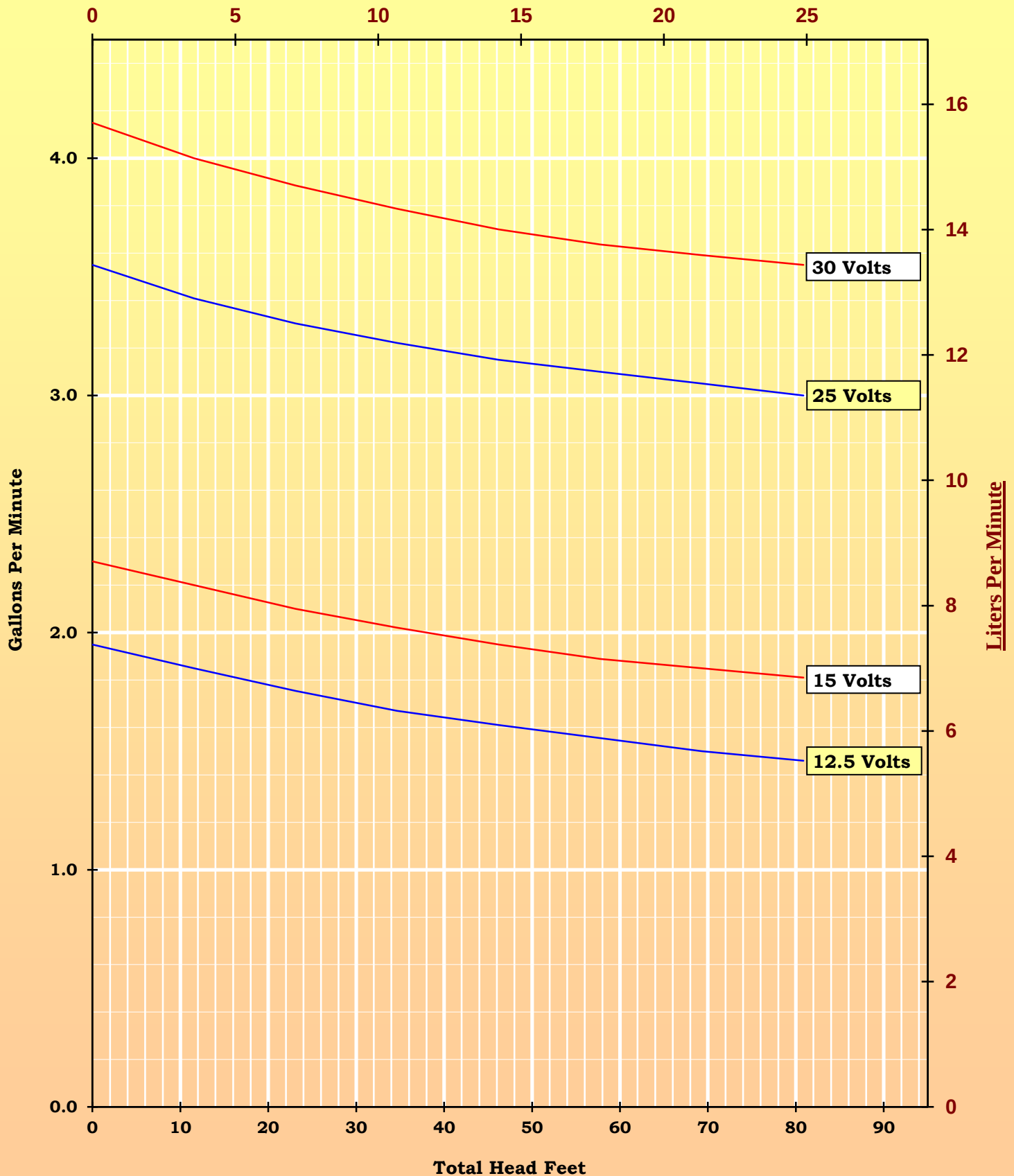


SunPumps SDS-Q-130 Submersible Pump

Total Head Meters



SunPumps SDS-Q Series Pump

Model SDS-Q-130

12 Volt Battery

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Peak Panel Watts*	System Efficiency
0	0	0.0	12.5	1.24	1.95	7.4	16	19	0%
5	12	3.5	12.5	1.65	1.85	7.0	21	26	20%
10	23	7.0	12.5	2.00	1.75	6.6	25	31	31%
15	35	10.6	12.5	2.30	1.67	6.3	29	36	38%
20	46	14.1	12.5	2.65	1.61	6.1	33	41	42%
25	58	17.6	12.5	2.95	1.56	5.9	37	46	46%
30	69	21.1	12.5	3.30	1.50	5.7	41	52	47%
35	81	24.6	12.5	3.63	1.46	5.5	45	57	49%

17 Volt Panel Direct

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Peak Panel Watts*	System Efficiency
0	0	0.0	15	1.29	2.30	8.7	19	24	0%
5	12	3.5	15	1.59	2.20	8.3	24	30	20%
10	23	7.0	15	2.09	2.10	7.9	31	39	29%
15	35	10.6	15	2.43	2.02	7.6	36	46	36%
20	46	14.1	15	2.74	1.95	7.4	41	51	41%
25	58	17.6	15	3.06	1.89	7.1	46	57	45%
30	69	21.1	15	3.38	1.85	7.0	51	63	48%
35	81	24.6	15	3.71	1.81	6.9	56	70	50%

24 Volt Battery

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Peak Panel Watts*	System Efficiency
0	0	0.0	25	1.69	3.55	13.4	42	53	0%
5	12	3.5	25	2.02	3.41	12.9	51	63	15%
10	23	7.0	25	2.34	3.30	12.5	59	73	25%
15	35	10.6	25	2.66	3.22	12.2	67	83	32%
20	46	14.1	25	3.04	3.15	11.9	76	95	36%
25	58	17.6	25	3.42	3.10	11.7	86	107	39%
30	69	21.1	25	3.74	3.05	11.5	94	117	43%
35	81	24.6	25	4.01	3.00	11.4	100	125	46%

34 Volt Panel Direct

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Peak Panel Watts*	System Efficiency
0	0	0.0	30	1.89	4.15	15.7	57	71	0%
5	12	3.5	30	2.17	4.00	15.1	65	81	13%
10	23	7.0	30	2.51	3.89	14.7	75	94	22%
15	35	10.6	30	2.83	3.79	14.3	85	106	29%
20	46	14.1	30	3.15	3.70	14.0	95	118	34%
25	58	17.6	30	3.47	3.64	13.8	104	130	38%
30	69	21.1	30	3.78	3.59	13.6	113	142	41%
35	81	24.6	30	4.10	3.55	13.4	123	154	44%

* Using a 20% deration factor.