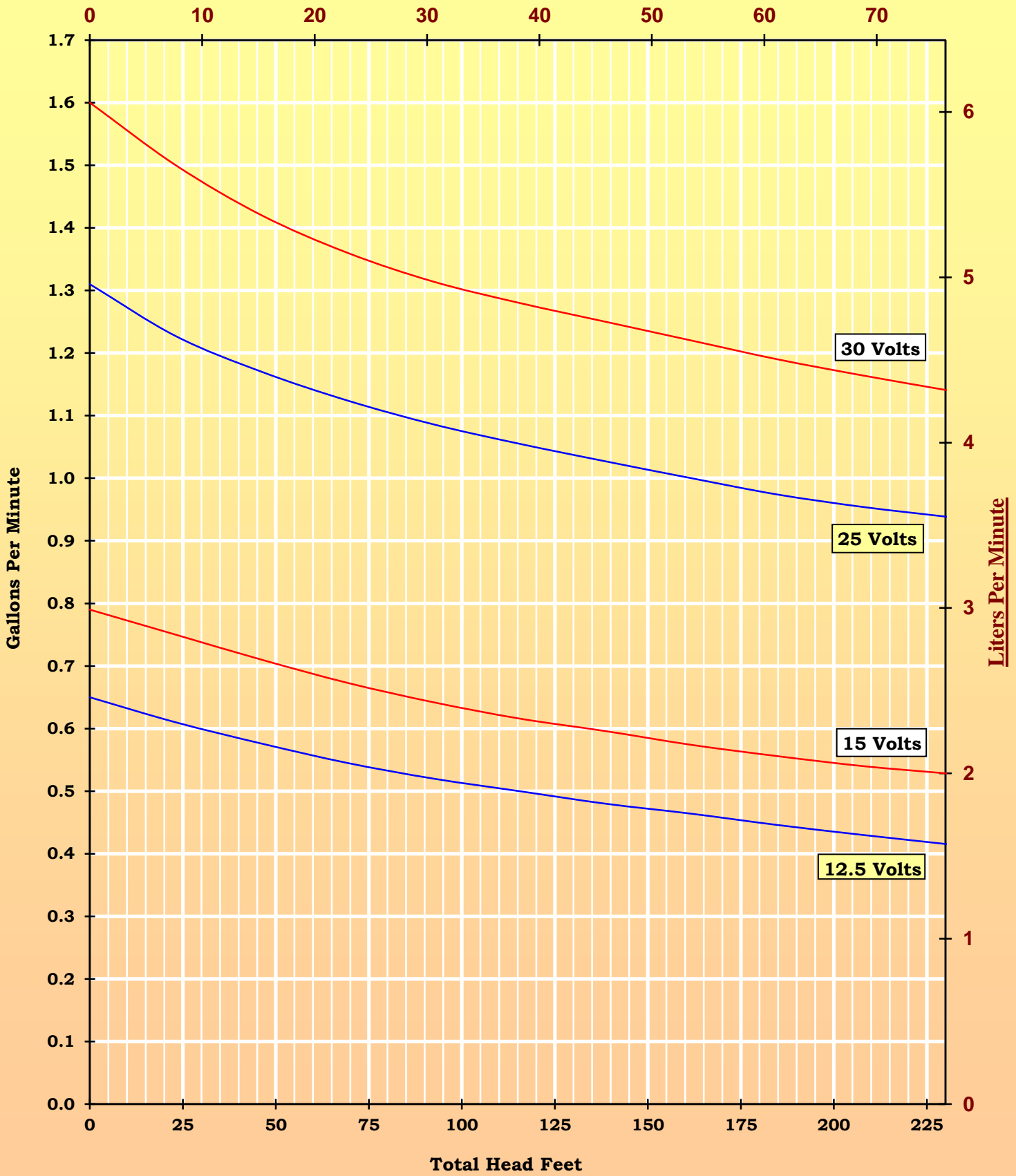


SunPumps SDS-D-128 Submersible Pump

Total Head Meters



SunPumps SDS-D Series Submersible

Model SDS-D-128

12 Volt Battery

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Peak Panel Watts*	System Efficiency
0	0	0.0	12.5	0.97	0.65	2.5	12	15	0%
10	23	7.0	12.5	1.20	0.61	2.3	15	19	18%
20	46	14.1	12.5	1.38	0.58	2.2	17	22	29%
30	69	21.1	12.5	1.55	0.55	2.1	19	24	37%
40	92	28.2	12.5	1.77	0.52	2.0	22	28	41%
50	116	35.2	12.5	1.96	0.50	1.9	25	31	44%
60	139	42.3	12.5	2.14	0.48	1.8	27	33	47%
70	162	49.3	12.5	2.34	0.46	1.8	29	37	48%
80	185	56.3	12.5	2.53	0.45	1.7	32	40	49%
90	208	63.4	12.5	2.72	0.43	1.6	34	43	50%
100	231	70.4	12.5	2.90	0.42	1.6	36	45	50%

17 Volt Panel Direct

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Peak Panel Watts*	System Efficiency
0	0	0.0	15	1.04	0.79	3.0	16	20	0%
10	23	7.0	15	1.25	0.75	2.8	19	23	17%
20	46	14.1	15	1.44	0.71	2.7	22	27	29%
30	69	21.1	15	1.64	0.67	2.5	25	31	36%
40	92	28.2	15	1.87	0.64	2.4	28	35	40%
50	116	35.2	15	2.03	0.62	2.3	30	38	44%
60	139	42.3	15	2.20	0.60	2.3	33	41	47%
70	162	49.3	15	2.40	0.57	2.2	36	45	49%
80	185	56.3	15	2.58	0.56	2.1	39	48	50%
90	208	63.4	15	2.78	0.54	2.0	42	52	51%
100	231	70.4	15	2.95	0.53	2.0	44	55	52%

24 Volt Battery

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Peak Panel Watts*	System Efficiency
0	0	0.0	25	1.27	1.31	5.0	32	40	0%
10	23	7.0	25	1.47	1.23	4.6	37	46	15%
20	46	14.1	25	1.65	1.17	4.4	41	52	25%
30	69	21.1	25	1.85	1.12	4.3	46	58	32%
40	92	28.2	25	2.06	1.09	4.1	52	64	37%
50	116	35.2	25	2.26	1.06	4.0	57	71	41%
60	139	42.3	25	2.45	1.03	3.9	61	77	44%
70	162	49.3	25	2.66	1.00	3.8	67	83	46%
80	185	56.3	25	2.83	0.97	3.7	71	88	48%
90	208	63.4	25	3.03	0.95	3.6	76	95	49%
100	231	70.4	25	3.21	0.94	3.6	80	100	51%

34 Volt Panel Direct

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Peak Panel Watts*	System Efficiency
0	0	0.0	30	1.41	1.60	6.1	42	53	0%
10	23	7.0	30	1.61	1.50	5.7	48	60	14%
20	46	14.1	30	1.78	1.42	5.4	53	67	23%
30	69	21.1	30	1.97	1.36	5.1	59	74	30%
40	92	28.2	30	2.18	1.31	5.0	65	82	35%
50	116	35.2	30	2.38	1.28	4.8	71	89	39%
60	139	42.3	30	2.58	1.25	4.7	77	97	42%
70	162	49.3	30	2.80	1.22	4.6	84	105	44%
80	185	56.3	30	2.98	1.19	4.5	89	112	46%
90	208	63.4	30	3.15	1.16	4.4	95	118	48%
100	231	70.4	30	3.34	1.14	4.3	100	125	50%

* Using a 20% deration factor.