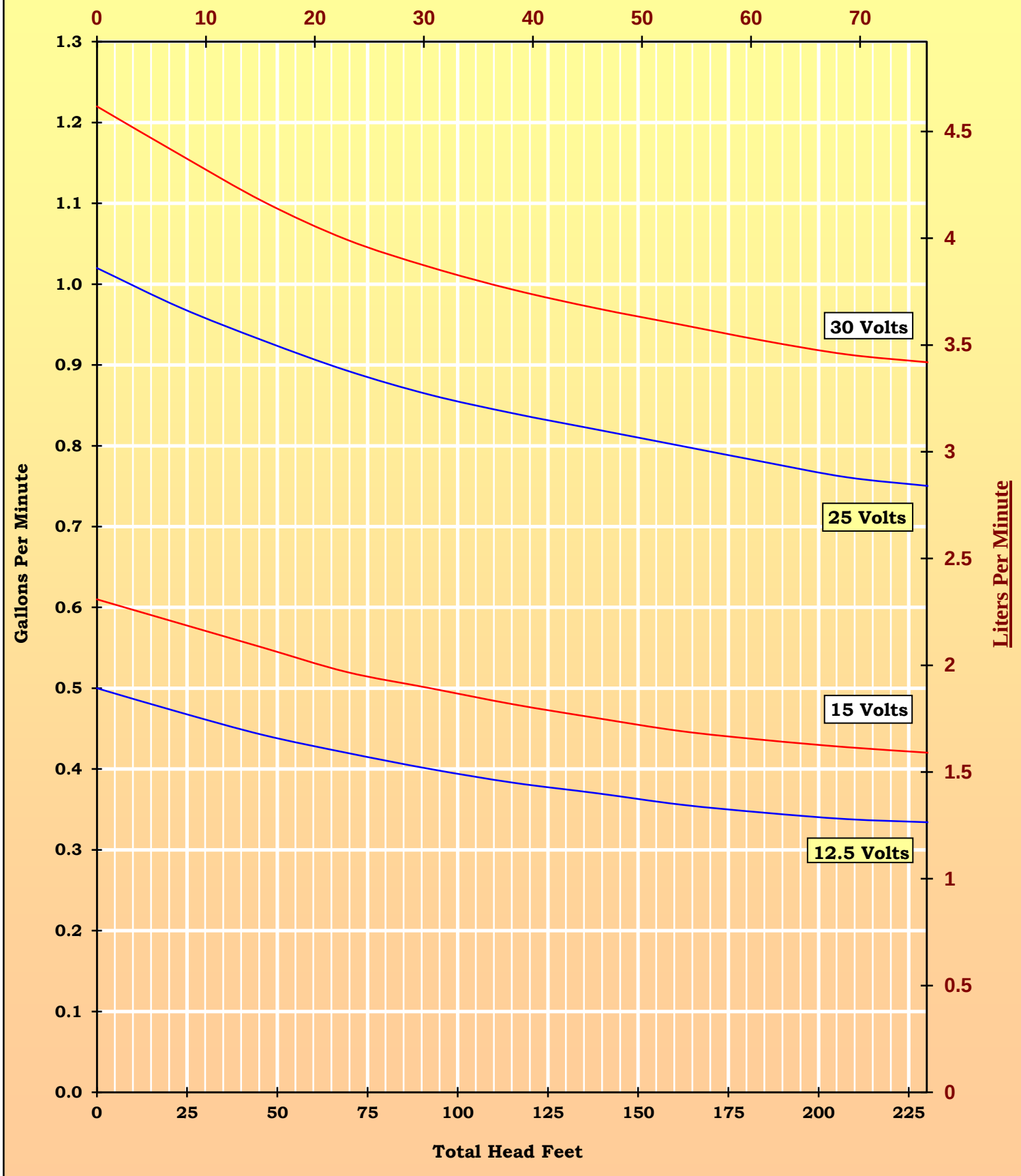
SunPumps SDS-D-228 Submersible Pump



SunPumps SDS-D Series Submersible

Model SDS-D-228

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	0.9	0.50	1.9	11	14	0%
10	23	7.0	12.5	1.0	0.47	1.8	13	16	16%
20	46	14.1	12.5	1.2	0.44	1.7	15	19	26%
30	69	21.1	12.5	1.3	0.42	1.6	16	20	33%
40	92	28.2	12.5	1.5	0.40	1.5	18	23	38%
50	116	35.2	12.5	1.6	0.38	1.4	20	25	41%
60	139	42.3	12.5	1.7	0.37	1.4	22	27	45%
70	162	49.3	12.5	1.9	0.36	1.3	24	29	46%
80	185	56.3	12.5	2.0	0.35	1.3	25	32	47%
90	208	63.4	12.5	2.2	0.34	1.3	27	34	48%
100	231	70.4	12.5	2.3	0.33	1.3	29	36	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	0.9	0.61	2.3	14	17	0%
10	23	7.0	15	1.1	0.58	2.2	16	20	16%
20	46	14.1	15	1.3	0.55	2.1	19	23	26%
30	69	21.1	15	1.4	0.52	2.0	21	26	33%
40	92	28.2	15	1.5	0.50	1.9	23	29	38%
50	116	35.2	15	1.7	0.48	1.8	25	31	42%
60	139	42.3	15	1.8	0.46	1.8	27	34	45%
70	162	49.3	15	2.0	0.45	1.7	29	37	46%
80	185	56.3	15	2.1	0.44	1.7	31	39	48%
90	208	63.4	15	2.2	0.43	1.6	33	42	50%
100	231	70.4	15	2.4	0.42	1.6	35	44	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	1.1	1.02	3.9	28	35	0%
10	23	7.0	25	1.3	0.97	3.7	32	39	13%
20	46	14.1	25	1.4	0.93	3.5	36	44	23%
30	69	21.1	25	1.6	0.89	3.4	39	48	30%
40	92	28.2	25	1.7	0.86	3.3	42	53	36%
50	116	35.2	25	1.8	0.84	3.2	46	57	40%
60	139	42.3	25	2.0	0.82	3.1	50	62	43%
70	162	49.3	25	2.1	0.80	3.0	53	66	46%
80	185	56.3	25	2.3	0.78	3.0	57	71	48%
90	208	63.4	25	2.4	0.76	2.9	60	75	50%
100	231	70.4	25	2.5	0.75	2.8	64	79	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	1.2	1.22	4.6	36	45	0%
10	23	7.0	30	1.4	1.16	4.4	41	51	12%
20	46	14.1	30	1.5	1.10	4.2	45	56	21%
30	69	21.1	30	1.6	1.06	4.0	49	61	28%
40	92	28.2	30	1.8	1.02	3.9	53	66	33%
50	116	35.2	30	1.9	0.99	3.8	58	72	37%
60	139	42.3	30	2.1	0.97	3.7	62	78	41%
70	162	49.3	30	2.2	0.95	3.6	67	83	43%
80	185	56.3	30	2.4	0.93	3.5	71	89	46%
90	208	63.4	30	2.5	0.91	3.5	75	94	47%
100	231	70.4	30	2.6	0.90	3.4	79	99	50%

* Using a 20% deration factor.