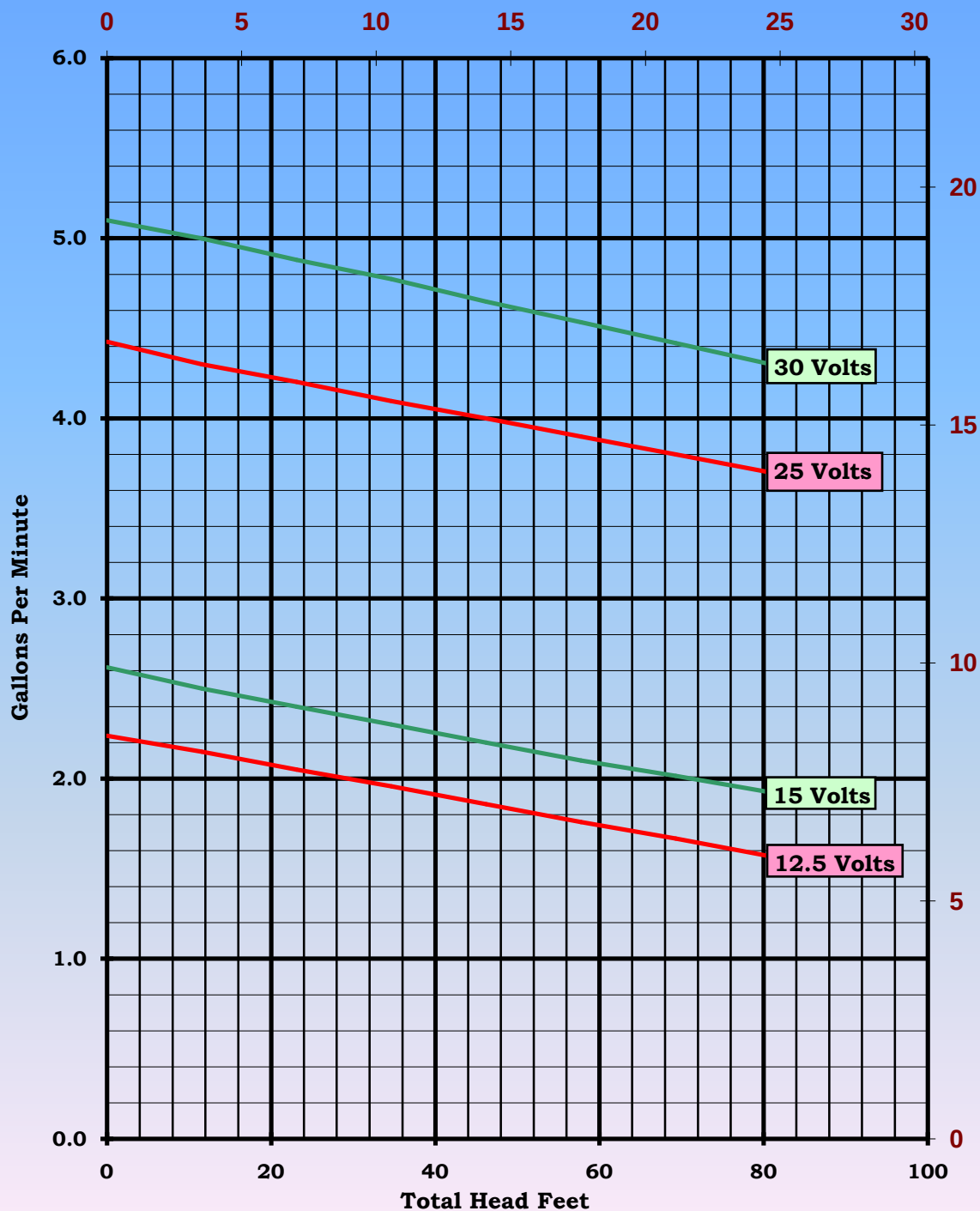


SunPumps SDS-Q-135 Submersible Pump

Total Head Meters



Liters Per Minute

SunPumps SDS-Q-135 Series Submersibles

12 Volt Battery

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Panel Watts *	System Efficiency
0	0	0.0	12.5	1.19	2.24	8.5	15	19	0%
5	12	3.5	12.5	1.47	2.15	8.1	18	23	25%
10	23	7.0	12.5	1.80	2.05	7.8	23	28	40%
15	35	10.6	12.5	2.17	1.96	7.4	27	34	47%
20	46	14.1	12.5	2.54	1.86	7.0	32	40	51%
25	58	17.6	12.5	2.92	1.76	6.7	37	46	52%
30	69	21.1	12.5	3.30	1.67	6.3	41	52	53%
35	81	24.6	12.5	3.69	1.57	5.9	46	58	52%

17 Volt Panel Direct

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Panel Watts *	System Efficiency
0	0	0.0	15	1.30	2.6	9.9	20	24	0%
5	12	3.5	15	1.66	2.5	9.5	25	31	22%
10	23	7.0	15	2.05	2.4	9.1	31	38	34%
15	35	10.6	15	2.34	2.3	8.7	35	44	43%
20	46	14.1	15	2.69	2.2	8.3	40	50	47%
25	58	17.6	15	3.11	2.1	7.9	47	58	49%
30	69	21.1	15	3.50	2.0	7.6	53	66	50%
35	81	24.6	15	3.84	1.9	7.3	58	72	51%

24 Volt Battery

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Panel Watts *	System Efficiency
0	0	0.0	25	1.64	4.4	16.8	41	51	0%
5	12	3.5	25	1.97	4.3	16.3	49	62	19%
10	23	7.0	25	2.44	4.2	15.9	61	76	30%
15	35	10.6	25	2.91	4.1	15.5	73	91	37%
20	46	14.1	25	3.32	4.0	15.1	83	104	42%
25	58	17.6	25	3.68	3.9	14.8	92	115	46%
30	69	21.1	25	4.15	3.8	14.4	104	130	48%
35	81	24.6	25	4.55	3.7	14.0	114	142	50%

34 Volt Panel Direct

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Panel Watts *	System Efficiency
0	0	0.0	30	1.94	5.1	19.3	58	73	0%
5	12	3.5	30	2.25	5.0	18.9	68	84	16%
10	23	7.0	30	2.68	4.9	18.5	80	101	26%
15	35	10.6	30	3.10	4.8	18.1	93	116	34%
20	46	14.1	30	3.53	4.6	17.6	106	132	38%
25	58	17.6	30	3.94	4.5	17.2	118	148	42%
30	69	21.1	30	4.36	4.4	16.7	131	164	44%
35	81	24.6	30	4.84	4.3	16.3	145	182	45%