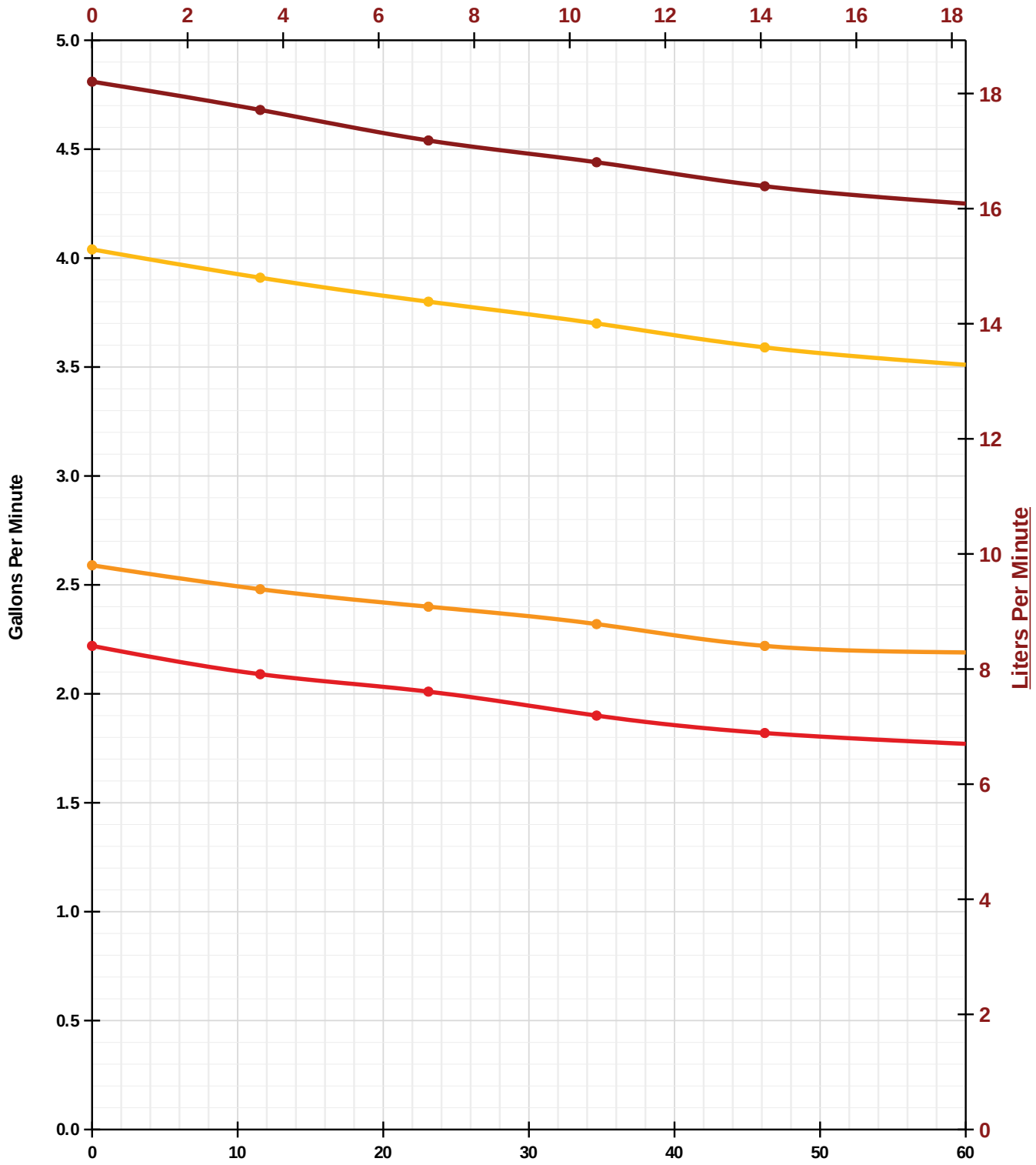


SunPumps SDS-Q-135 Submersible Pump

Total Head Meters



Total Head Feet

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

SunPumps SDS-Q Series Submersible Pump

Model SDS-Q-135

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	1.38	2.22	8.40	17	22	0.0%
5	11.6	3.5	12.5	1.85	2.09	7.91	23	29	19.7%
10	23.1	7.0	12.5	2.24	2.01	7.61	28	35	31.2%
15	34.7	10.6	12.5	2.58	1.90	7.19	32	40	38.5%
20	46.2	14.1	12.5	2.99	1.82	6.89	37	47	42.4%
26	60.1	18.3	12.5	3.44	1.77	6.70	43	54	46.6%

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	1.47	2.59	9.80	22	28	0.0%
5	11.6	3.5	15.0	1.88	2.48	9.39	28	35	19.1%
10	23.1	7.0	15.0	2.25	2.40	9.08	34	42	30.9%
15	34.7	10.6	15.0	2.66	2.32	8.78	40	50	38.0%
20	46.2	14.1	15.0	3.01	2.22	8.40	45	56	42.8%
26	60.1	18.3	15.0	3.47	2.19	8.29	52	65	47.6%

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	1.94	4.04	15.29	49	61	0.0%
5	11.6	3.5	25.0	2.21	3.91	14.80	55	69	15.4%
10	23.1	7.0	25.0	2.59	3.80	14.38	65	81	25.5%
15	34.7	10.6	25.0	2.92	3.70	14.00	73	91	33.1%
20	46.2	14.1	25.0	3.31	3.59	13.59	83	103	37.8%
26	60.1	18.3	25.0	3.82	3.51	13.29	96	119	41.6%

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	2.22	4.81	18.21	67	83	0.0%
5	11.6	3.5	30.0	2.38	4.68	17.71	71	89	14.3%
10	23.1	7.0	30.0	2.76	4.54	17.18	83	103	23.9%
15	34.7	10.6	30.0	3.11	4.44	16.81	93	117	31.1%
20	46.2	14.1	30.0	3.46	4.33	16.39	104	130	36.3%
26	60.1	18.3	30.0	3.93	4.25	16.09	118	147	40.8%

* Using a 20% deration factor.