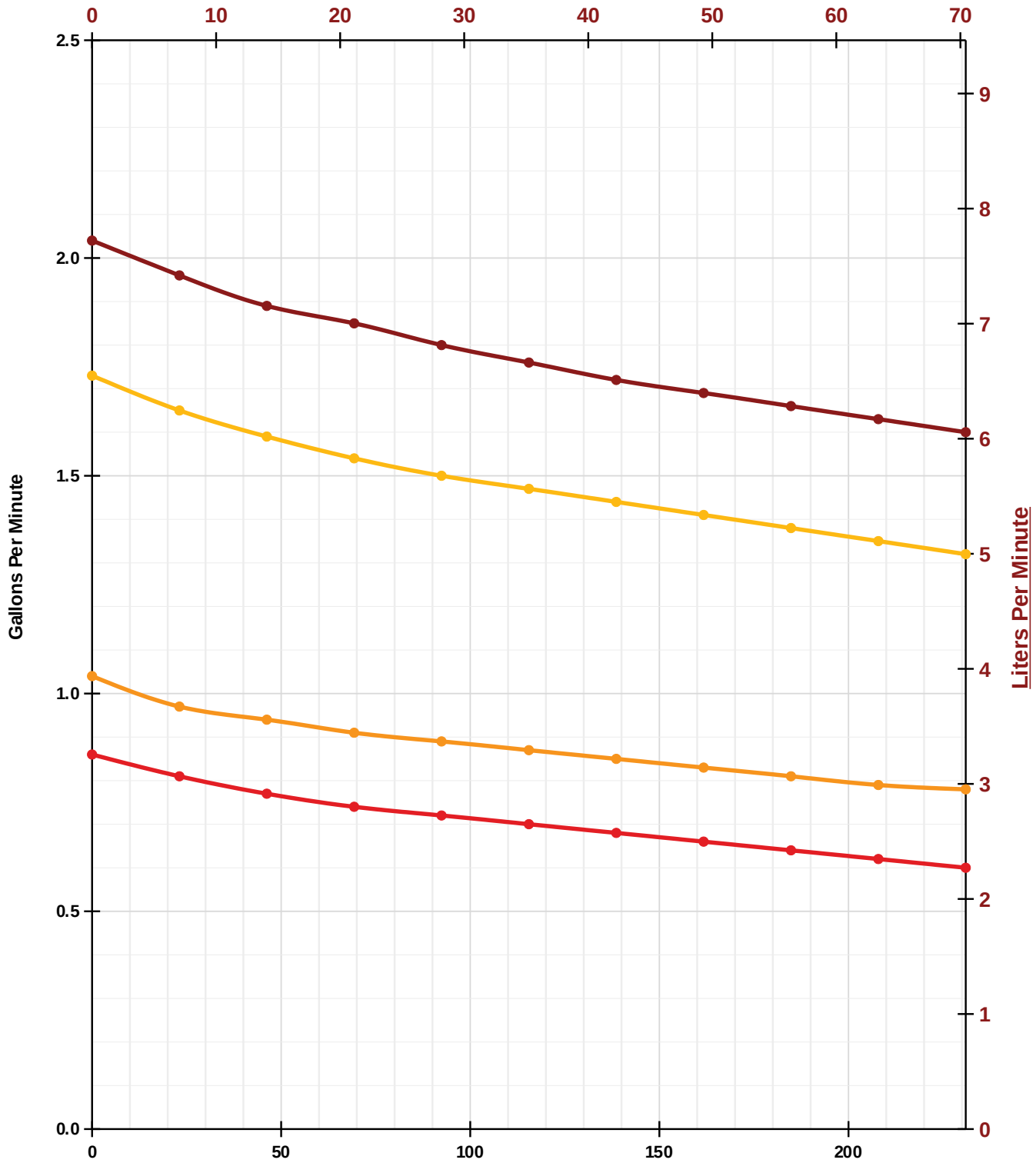


# SunPumps SDS-T-128 Submersible Pump

Total Head Meters



Total Head Feet

12V Battery 17V Panel Direct 24V Battery 34V Panel Direct

# SunPumps SDS-T Series Submersible Pump

## Model SDS-T-128

### 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    | 0.96  | 0.86 | 3.26 | 12    | 15         | 0.0%       |
| 10  | 23.1  | 7.0    | 12.5    | 1.24  | 0.81 | 3.07 | 16    | 19         | 22.7%      |
| 20  | 46.2  | 14.1   | 12.5    | 1.56  | 0.77 | 2.91 | 20    | 24         | 34.4%      |
| 30  | 69.3  | 21.1   | 12.5    | 1.86  | 0.74 | 2.80 | 23    | 29         | 41.6%      |
| 40  | 92.4  | 28.2   | 12.5    | 2.14  | 0.72 | 2.73 | 27    | 33         | 46.9%      |
| 50  | 115.5 | 35.2   | 12.5    | 2.40  | 0.70 | 2.65 | 30    | 38         | 50.8%      |
| 60  | 138.6 | 42.3   | 12.5    | 2.71  | 0.68 | 2.57 | 34    | 42         | 52.4%      |
| 70  | 161.7 | 49.3   | 12.5    | 2.99  | 0.66 | 2.50 | 37    | 47         | 53.8%      |
| 80  | 184.8 | 56.3   | 12.5    | 3.25  | 0.64 | 2.42 | 41    | 51         | 54.8%      |
| 90  | 207.9 | 63.4   | 12.5    | 3.52  | 0.62 | 2.35 | 44    | 55         | 55.2%      |
| 100 | 231.0 | 70.4   | 12.5    | 3.83  | 0.60 | 2.27 | 48    | 60         | 54.5%      |

### 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    | 1.04  | 1.04 | 3.94 | 16    | 20         | 0.0%       |
| 10  | 23.1  | 7.0    | 15.0    | 1.33  | 0.97 | 3.67 | 20    | 25         | 21.2%      |
| 20  | 46.2  | 14.1   | 15.0    | 1.64  | 0.94 | 3.56 | 25    | 31         | 33.3%      |
| 30  | 69.3  | 21.1   | 15.0    | 1.95  | 0.91 | 3.44 | 29    | 37         | 40.6%      |
| 40  | 92.4  | 28.2   | 15.0    | 2.22  | 0.89 | 3.37 | 33    | 42         | 46.5%      |
| 50  | 115.5 | 35.2   | 15.0    | 2.47  | 0.87 | 3.29 | 37    | 46         | 51.1%      |
| 60  | 138.6 | 42.3   | 15.0    | 2.75  | 0.85 | 3.22 | 41    | 52         | 53.8%      |
| 70  | 161.7 | 49.3   | 15.0    | 3.05  | 0.83 | 3.14 | 46    | 57         | 55.3%      |
| 80  | 184.8 | 56.3   | 15.0    | 3.40  | 0.81 | 3.07 | 51    | 64         | 55.3%      |
| 90  | 207.9 | 63.4   | 15.0    | 3.68  | 0.79 | 2.99 | 55    | 69         | 56.1%      |
| 100 | 231.0 | 70.4   | 15.0    | 4.10  | 0.78 | 2.95 | 61    | 77         | 55.2%      |

### 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    | 1.25  | 1.73 | 6.55 | 31    | 39         | 0.0%       |
| 10  | 23.1  | 7.0    | 25.0    | 1.54  | 1.65 | 6.25 | 39    | 48         | 18.7%      |
| 20  | 46.2  | 14.1   | 25.0    | 1.88  | 1.59 | 6.02 | 47    | 59         | 29.4%      |
| 30  | 69.3  | 21.1   | 25.0    | 2.22  | 1.54 | 5.83 | 56    | 69         | 36.2%      |
| 40  | 92.4  | 28.2   | 25.0    | 2.45  | 1.50 | 5.68 | 61    | 77         | 42.6%      |
| 50  | 115.5 | 35.2   | 25.0    | 2.72  | 1.47 | 5.56 | 68    | 85         | 47.0%      |
| 60  | 138.6 | 42.3   | 25.0    | 2.97  | 1.44 | 5.45 | 74    | 93         | 50.6%      |
| 70  | 161.7 | 49.3   | 25.0    | 3.25  | 1.41 | 5.34 | 81    | 102        | 52.9%      |
| 80  | 184.8 | 56.3   | 25.0    | 3.50  | 1.38 | 5.22 | 88    | 109        | 54.9%      |
| 90  | 207.9 | 63.4   | 25.0    | 3.85  | 1.35 | 5.11 | 96    | 120        | 54.9%      |
| 100 | 231.0 | 70.4   | 25.0    | 4.15  | 1.32 | 5.00 | 104   | 130        | 55.4%      |

### 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    | 1.35  | 2.04 | 7.72 | 41    | 51         | 0.0%       |
| 10  | 23.1  | 7.0    | 30.0    | 1.67  | 1.96 | 7.42 | 50    | 63         | 17.0%      |
| 20  | 46.2  | 14.1   | 30.0    | 2.00  | 1.89 | 7.15 | 60    | 75         | 27.4%      |
| 30  | 69.3  | 21.1   | 30.0    | 2.35  | 1.85 | 7.00 | 71    | 88         | 34.3%      |
| 40  | 92.4  | 28.2   | 30.0    | 2.60  | 1.80 | 6.81 | 78    | 98         | 40.2%      |
| 50  | 115.5 | 35.2   | 30.0    | 2.82  | 1.76 | 6.66 | 85    | 106        | 45.3%      |
| 60  | 138.6 | 42.3   | 30.0    | 3.07  | 1.72 | 6.51 | 92    | 115        | 48.8%      |
| 70  | 161.7 | 49.3   | 30.0    | 3.33  | 1.69 | 6.40 | 100   | 125        | 51.5%      |
| 80  | 184.8 | 56.3   | 30.0    | 3.60  | 1.66 | 6.28 | 108   | 135        | 53.5%      |
| 90  | 207.9 | 63.4   | 30.0    | 3.90  | 1.63 | 6.17 | 117   | 146        | 54.6%      |
| 100 | 231.0 | 70.4   | 30.0    | 4.21  | 1.60 | 6.06 | 126   | 158        | 55.1%      |

\* Using a 20% deration factor.