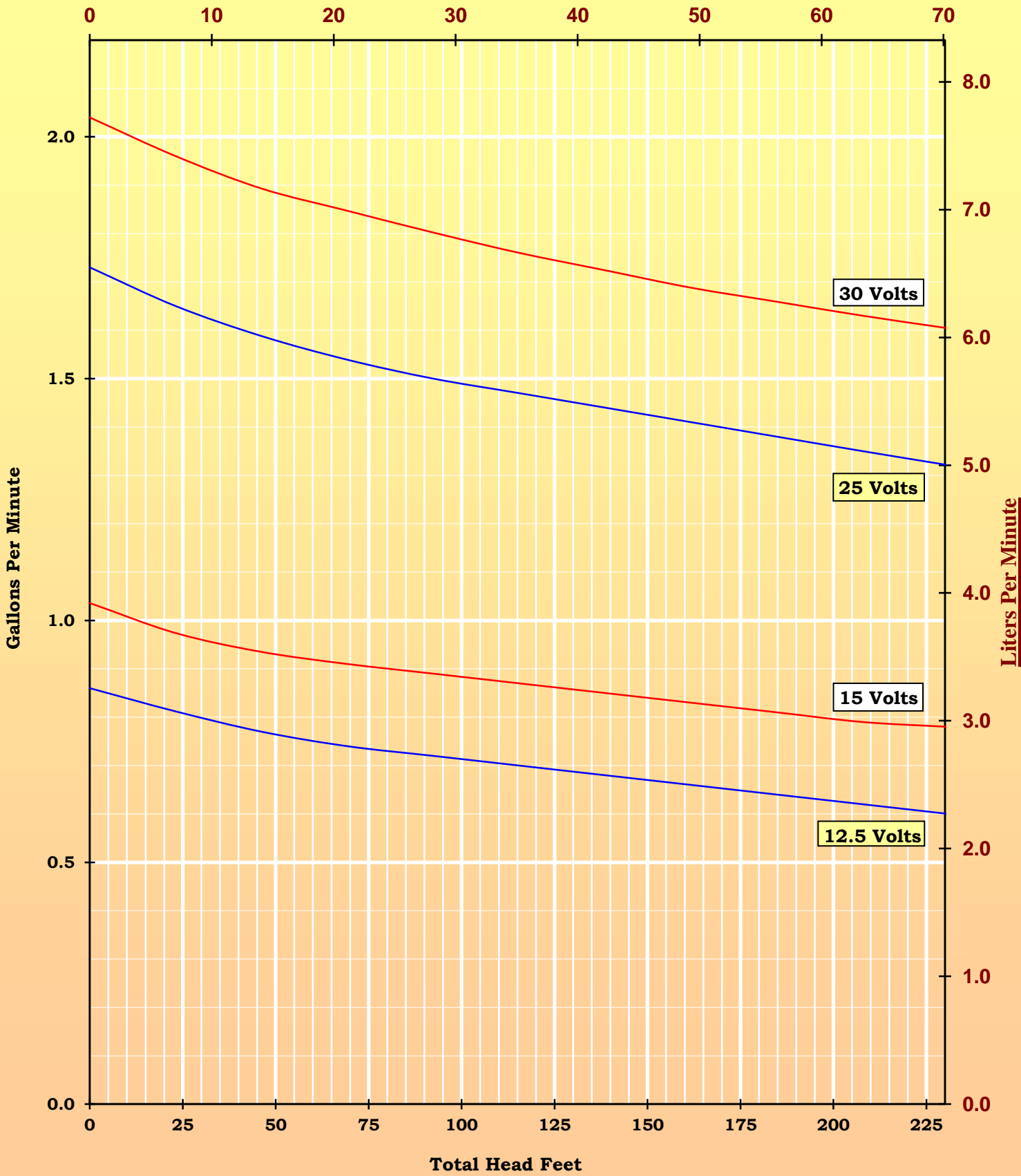


# SunPumps SDS-T-128 Submersible Pump

Total Head Meters



# SunPumps SDS-D Series Submersible

## Model SDS-T-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          | 0.96       | 0.86     | 3.3 | 12          | 15                | 0%                |
| 10  | 23       | 7.0        | 12.5          | 1.24       | 0.81     | 3.1 | 16          | 19                | 23%               |
| 20  | 46       | 14.1       | 12.5          | 1.56       | 0.77     | 2.9 | 20          | 24                | 34%               |
| 30  | 69       | 21.1       | 12.5          | 1.86       | 0.74     | 2.8 | 23          | 29                | 42%               |
| 40  | 92       | 28.2       | 12.5          | 2.14       | 0.72     | 2.7 | 27          | 33                | 47%               |
| 50  | 116      | 35.2       | 12.5          | 2.40       | 0.70     | 2.6 | 30          | 38                | 51%               |
| 60  | 139      | 42.3       | 12.5          | 2.71       | 0.68     | 2.6 | 34          | 42                | 52%               |
| 70  | 162      | 49.3       | 12.5          | 2.99       | 0.66     | 2.5 | 37          | 47                | 54%               |
| 80  | 185      | 56.3       | 12.5          | 3.25       | 0.64     | 2.4 | 41          | 51                | 55%               |
| 90  | 208      | 63.4       | 12.5          | 3.52       | 0.62     | 2.3 | 44          | 55                | 55%               |
| 100 | 231      | 70.4       | 12.5          | 3.83       | 0.60     | 2.3 | 48          | 60                | 55%               |

### 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       | 1.04     | 3.9 | 16          | 20                | 0%                |
| 10  | 23       | 7.0        | 15            | 1.33       | 0.97     | 3.7 | 20          | 25                | 21%               |
| 20  | 46       | 14.1       | 15            | 1.64       | 0.94     | 3.5 | 25          | 31                | 33%               |
| 30  | 69       | 21.1       | 15            | 1.95       | 0.91     | 3.4 | 29          | 37                | 41%               |
| 40  | 92       | 28.2       | 15            | 2.22       | 0.89     | 3.4 | 33          | 42                | 47%               |
| 50  | 116      | 35.2       | 15            | 2.47       | 0.87     | 3.3 | 37          | 46                | 51%               |
| 60  | 139      | 42.3       | 15            | 2.75       | 0.85     | 3.2 | 41          | 52                | 54%               |
| 70  | 162      | 49.3       | 15            | 3.05       | 0.83     | 3.1 | 46          | 57                | 55%               |
| 80  | 185      | 56.3       | 15            | 3.40       | 0.81     | 3.1 | 51          | 64                | 55%               |
| 90  | 208      | 63.4       | 15            | 3.68       | 0.79     | 3.0 | 55          | 69                | 56%               |
| 100 | 231      | 70.4       | 15            | 4.10       | 0.78     | 3.0 | 62          | 77                | 55%               |

### 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            | 1.25       | 1.73     | 6.5 | 31          | 39                | 0%                |
| 10  | 23       | 7.0        | 25            | 1.54       | 1.65     | 6.2 | 39          | 48                | 19%               |
| 20  | 46       | 14.1       | 25            | 1.88       | 1.59     | 6.0 | 47          | 59                | 29%               |
| 30  | 69       | 21.1       | 25            | 2.22       | 1.54     | 5.8 | 56          | 69                | 36%               |
| 40  | 92       | 28.2       | 25            | 2.45       | 1.50     | 5.7 | 61          | 77                | 43%               |
| 50  | 116      | 35.2       | 25            | 2.72       | 1.47     | 5.6 | 68          | 85                | 47%               |
| 60  | 139      | 42.3       | 25            | 2.97       | 1.44     | 5.5 | 74          | 93                | 51%               |
| 70  | 162      | 49.3       | 25            | 3.25       | 1.41     | 5.3 | 81          | 102               | 53%               |
| 80  | 185      | 56.3       | 25            | 3.50       | 1.38     | 5.2 | 88          | 109               | 55%               |
| 90  | 208      | 63.4       | 25            | 3.85       | 1.35     | 5.1 | 96          | 120               | 55%               |
| 100 | 231      | 70.4       | 25            | 4.15       | 1.32     | 5.0 | 104         | 130               | 55%               |

### 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            | 1.35       | 2.04     | 7.7 | 41          | 51                | 0%                |
| 10  | 23       | 7.0        | 30            | 1.67       | 1.96     | 7.4 | 50          | 63                | 17%               |
| 20  | 46       | 14.1       | 30            | 2.00       | 1.89     | 7.2 | 60          | 75                | 27%               |
| 30  | 69       | 21.1       | 30            | 2.35       | 1.85     | 7.0 | 71          | 88                | 34%               |
| 40  | 92       | 28.2       | 30            | 2.60       | 1.80     | 6.8 | 78          | 98                | 40%               |
| 50  | 116      | 35.2       | 30            | 2.82       | 1.76     | 6.7 | 85          | 106               | 45%               |
| 60  | 139      | 42.3       | 30            | 3.07       | 1.72     | 6.5 | 92          | 115               | 49%               |
| 70  | 162      | 49.3       | 30            | 3.33       | 1.69     | 6.4 | 100         | 125               | 51%               |
| 80  | 185      | 56.3       | 30            | 3.60       | 1.66     | 6.3 | 108         | 135               | 53%               |
| 90  | 208      | 63.4       | 30            | 3.90       | 1.63     | 6.2 | 117         | 146               | 55%               |
| 100 | 231      | 70.4       | 30            | 4.21       | 1.60     | 6.1 | 126         | 158               | 55%               |

\* Using a 20% deration factor.