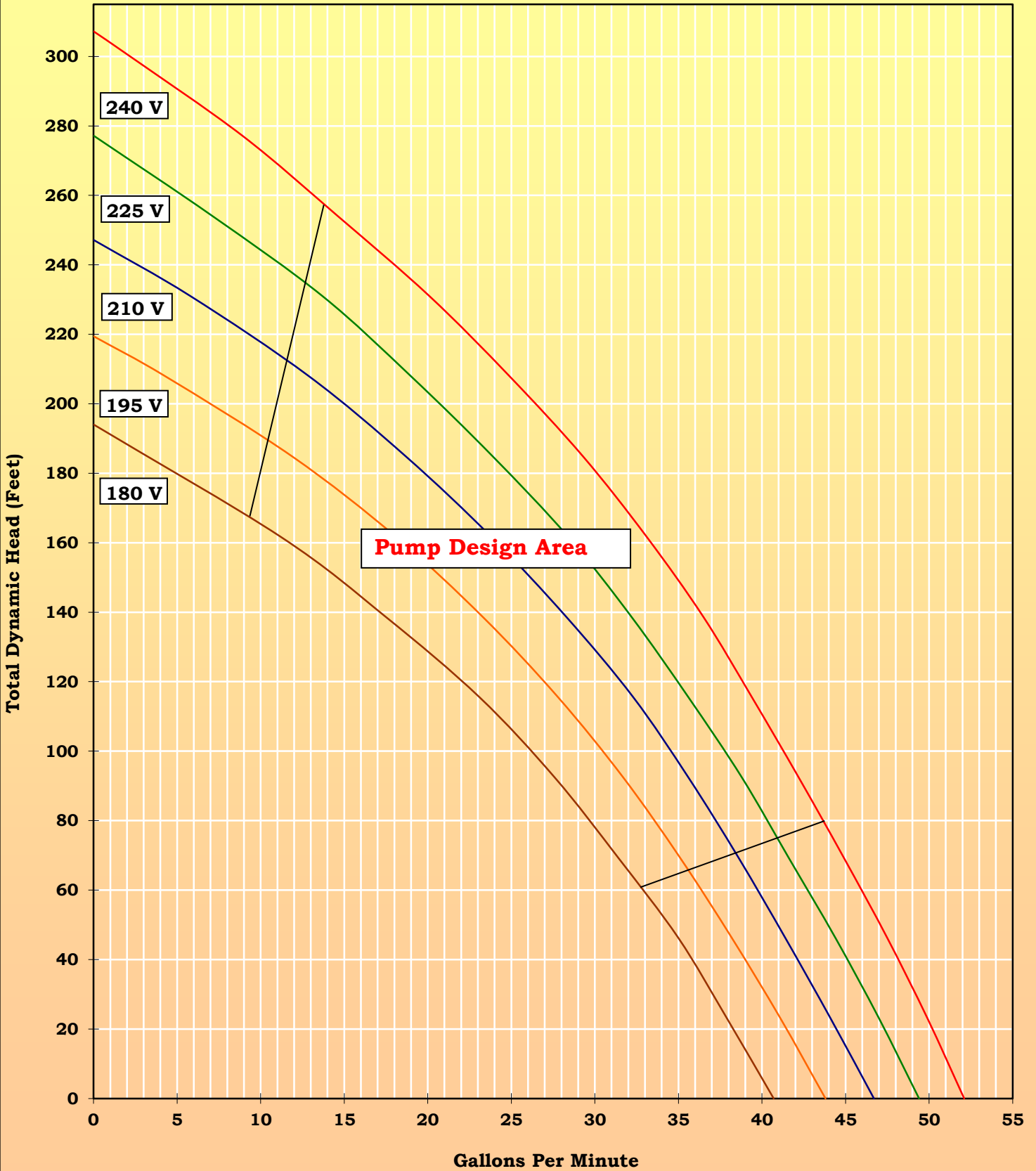


**SunPumps Brushless DC Submersible  
Model SCS 30-180-240Y BL**

**240 Volt Panel Direct**



## SunPumps Brushless DC Submersible Model SCS 30-180-240Y BL

3 HP Motor

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | *Solar Array Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 180           | 4.80       | 40.7     | 154.0 | 864         | 1080               | 0%         |
| 10  | 23       | 7.0        | 180           | 5.18       | 37.9     | 143.5 | 932         | 1166               | 18%        |
| 20  | 46       | 14.1       | 180           | 5.52       | 35.0     | 132.5 | 994         | 1242               | 31%        |
| 30  | 69       | 21.1       | 180           | 5.85       | 31.4     | 118.8 | 1053        | 1316               | 39%        |
| 40  | 92       | 28.2       | 180           | 5.98       | 27.6     | 104.5 | 1076        | 1346               | 45%        |
| 50  | 116      | 35.2       | 180           | 5.99       | 23.1     | 87.4  | 1078        | 1348               | 47%        |
| 60  | 139      | 42.3       | 180           | 5.74       | 17.5     | 66.2  | 1033        | 1292               | 44%        |
| 70  | 162      | 49.3       | 180           | 5.10       | 11.2     | 42.4  | 918         | 1148               | 37%        |
| 84  | 194      | 59.2       | 180           | 4.01       | 0.0      | 0.0   | 722         | 902                | 0%         |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | *Solar Array Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 195           | 5.37       | 43.8     | 165.8 | 1047        | 1309               | 0%         |
| 10  | 23       | 7.0        | 195           | 5.74       | 41.1     | 155.6 | 1119        | 1399               | 16%        |
| 20  | 46       | 14.1       | 195           | 6.04       | 38.2     | 144.6 | 1178        | 1472               | 28%        |
| 30  | 69       | 21.1       | 195           | 6.32       | 35.1     | 132.9 | 1232        | 1541               | 37%        |
| 40  | 92       | 28.2       | 195           | 6.50       | 31.7     | 120.0 | 1268        | 1584               | 44%        |
| 50  | 116      | 35.2       | 195           | 6.56       | 27.8     | 105.2 | 1279        | 1599               | 47%        |
| 60  | 139      | 42.3       | 195           | 6.44       | 23.3     | 88.2  | 1256        | 1570               | 48%        |
| 70  | 162      | 49.3       | 195           | 6.11       | 18.1     | 68.5  | 1191        | 1489               | 46%        |
| 80  | 185      | 56.3       | 195           | 5.64       | 11.9     | 45.0  | 1100        | 1375               | 38%        |
| 90  | 208      | 63.4       | 195           | 5.00       | 4.3      | 16.3  | 975         | 1219               | 17%        |
| 95  | 219      | 66.9       | 195           | 4.58       | 0.0      | 0.0   | 893         | 1116               | 0%         |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | *Solar Array Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 210           | 5.93       | 46.7     | 176.8 | 1245        | 1557               | 0%         |
| 10  | 23       | 7.0        | 210           | 6.33       | 44.1     | 166.9 | 1329        | 1662               | 14%        |
| 20  | 46       | 14.1       | 210           | 6.67       | 41.4     | 156.7 | 1401        | 1751               | 26%        |
| 30  | 69       | 21.1       | 210           | 6.94       | 38.6     | 146.1 | 1457        | 1822               | 35%        |
| 40  | 92       | 28.2       | 210           | 7.22       | 35.6     | 134.7 | 1516        | 1895               | 41%        |
| 50  | 116      | 35.2       | 210           | 7.38       | 32.3     | 122.3 | 1550        | 1937               | 45%        |
| 60  | 139      | 42.3       | 210           | 7.39       | 28.3     | 107.1 | 1552        | 1940               | 48%        |
| 70  | 162      | 49.3       | 210           | 7.37       | 23.8     | 90.1  | 1548        | 1935               | 47%        |
| 80  | 185      | 56.3       | 210           | 7.02       | 18.7     | 70.8  | 1474        | 1843               | 44%        |
| 90  | 208      | 63.4       | 210           | 6.49       | 12.9     | 48.8  | 1363        | 1704               | 37%        |
| 100 | 231      | 70.4       | 210           | 5.66       | 5.8      | 22.0  | 1189        | 1486               | 21%        |
| 107 | 247      | 75.4       | 210           | 4.97       | 0.0      | 0.0   | 1044        | 1305               | 0%         |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | *Solar Array Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 225           | 6.42       | 49.4     | 187.0 | 1445        | 1806               | 0%         |
| 10  | 23       | 7.0        | 225           | 6.80       | 47.0     | 177.9 | 1530        | 1913               | 13%        |
| 20  | 46       | 14.1       | 225           | 7.08       | 44.4     | 168.1 | 1593        | 1991               | 24%        |
| 30  | 69       | 21.1       | 225           | 7.37       | 41.6     | 157.5 | 1658        | 2073               | 33%        |
| 40  | 92       | 28.2       | 225           | 7.67       | 38.8     | 146.9 | 1726        | 2157               | 39%        |
| 50  | 116      | 35.2       | 225           | 7.82       | 35.6     | 134.7 | 1760        | 2199               | 44%        |
| 60  | 139      | 42.3       | 225           | 7.95       | 32.2     | 121.9 | 1789        | 2236               | 47%        |
| 70  | 162      | 49.3       | 225           | 7.95       | 28.4     | 107.5 | 1789        | 2236               | 48%        |
| 80  | 185      | 56.3       | 225           | 7.68       | 23.9     | 90.5  | 1728        | 2160               | 48%        |
| 90  | 208      | 63.4       | 225           | 7.30       | 19.0     | 71.9  | 1643        | 2053               | 45%        |
| 100 | 231      | 70.4       | 225           | 6.83       | 13.7     | 51.9  | 1537        | 1921               | 39%        |
| 110 | 254      | 77.5       | 225           | 6.29       | 7.1      | 26.9  | 1415        | 1769               | 24%        |
| 120 | 277      | 84.5       | 225           | 5.53       | 0.0      | 0.0   | 1244        | 1555               | 0%         |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | *Solar Array Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 240           | 7.09       | 52.1     | 197.2 | 1702        | 2127               | 0%         |
| 10  | 23       | 7.0        | 240           | 7.37       | 49.9     | 188.9 | 1769        | 2211               | 12%        |
| 20  | 46       | 14.1       | 240           | 7.73       | 47.5     | 179.8 | 1855        | 2319               | 22%        |
| 30  | 69       | 21.1       | 240           | 8.03       | 44.9     | 169.9 | 1927        | 2409               | 30%        |
| 40  | 92       | 28.2       | 240           | 8.34       | 42.2     | 159.7 | 2002        | 2502               | 37%        |
| 50  | 116      | 35.2       | 240           | 8.61       | 39.4     | 149.1 | 2066        | 2583               | 41%        |
| 60  | 139      | 42.3       | 240           | 8.82       | 36.5     | 138.2 | 2117        | 2646               | 45%        |
| 70  | 162      | 49.3       | 240           | 8.83       | 33.1     | 125.3 | 2119        | 2649               | 48%        |
| 80  | 185      | 56.3       | 240           | 8.85       | 29.3     | 110.9 | 2124        | 2655               | 48%        |
| 90  | 208      | 63.4       | 240           | 8.72       | 24.9     | 94.2  | 2093        | 2616               | 47%        |
| 100 | 231      | 70.4       | 240           | 8.45       | 20.1     | 76.1  | 2028        | 2535               | 43%        |
| 110 | 254      | 77.5       | 240           | 7.93       | 14.6     | 55.3  | 1903        | 2379               | 37%        |
| 120 | 277      | 84.5       | 240           | 7.31       | 8.9      | 33.7  | 1754        | 2193               | 26%        |
| 130 | 300      | 91.6       | 240           | 6.55       | 2.1      | 7.9   | 1572        | 1965               | 8%         |
| 133 | 307      | 93.7       | 240           | 6.21       | 0.0      | 0.0   | 1490        | 1863               | 0%         |

\* Peak panel watts using a 20% deration factor.