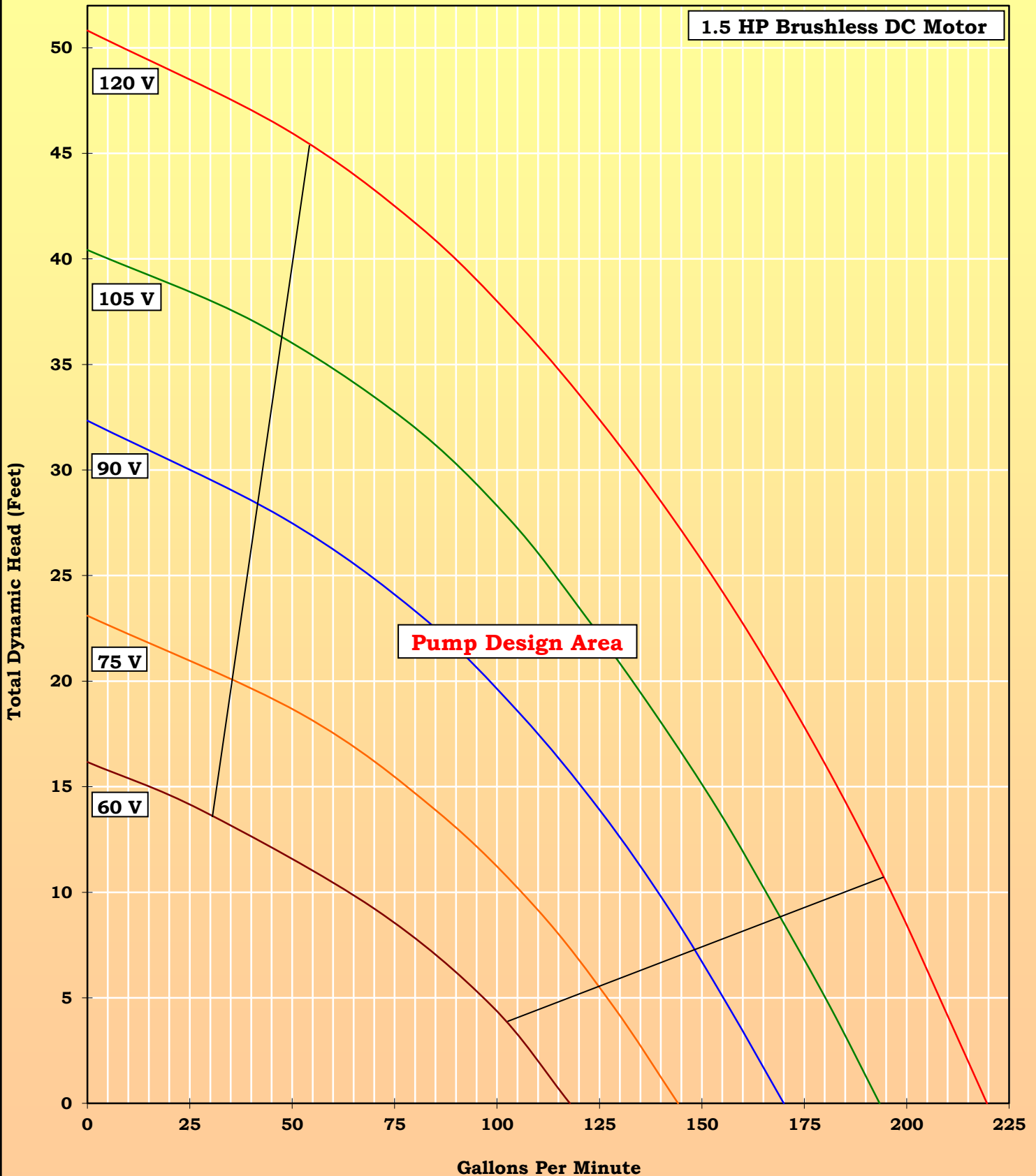


# SunPumps Brushless DC Submersible Model SCS 125-32-120 BL

6" Diameter Pump End - 3" Discharge



# SunPumps Brushless DC Submersible

## Model SCS 125-32-120 BL

### 1.5 HP Brushless DC Motor

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | Solar Array *Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 60            | 4.81       | 117.8    | 445.9 | 289         | 361                | 0%         |
| 2   | 5        | 1.4        | 60            | 4.76       | 98.7     | 373.6 | 286         | 357                | 30%        |
| 4   | 9        | 2.8        | 60            | 4.39       | 69.9     | 264.6 | 263         | 329                | 46%        |
| 6   | 14       | 4.2        | 60            | 3.87       | 28.1     | 106.4 | 232         | 290                | 32%        |
| 7   | 16       | 4.9        | 60            | 3.50       | 0.0      | 0.0   | 210         | 263                | 0%         |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | Solar Array *Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 75            | 6.65       | 144.2    | 545.8 | 499         | 623                | 0%         |
| 2   | 5        | 1.4        | 75            | 6.61       | 128.3    | 485.6 | 496         | 620                | 23%        |
| 4   | 9        | 2.8        | 75            | 6.45       | 109.6    | 414.8 | 484         | 605                | 39%        |
| 6   | 14       | 4.2        | 75            | 6.01       | 85.2     | 322.5 | 451         | 563                | 49%        |
| 8   | 18       | 5.6        | 75            | 5.63       | 51.9     | 196.4 | 422         | 528                | 43%        |
| 10  | 23       | 7.0        | 75            | 4.76       | 0.0      | 0.0   | 357         | 446                | 0%         |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | Solar Array *Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 90            | 8.69       | 170.0    | 643.5 | 782         | 978                | 0%         |
| 2   | 5        | 1.4        | 90            | 8.68       | 156.4    | 592.0 | 781         | 977                | 17%        |
| 4   | 9        | 2.8        | 90            | 8.62       | 141.9    | 537.1 | 776         | 970                | 32%        |
| 6   | 14       | 4.2        | 90            | 8.42       | 125.2    | 473.9 | 758         | 947                | 43%        |
| 8   | 18       | 5.6        | 90            | 7.95       | 105.5    | 399.3 | 716         | 894                | 51%        |
| 10  | 23       | 7.0        | 90            | 7.60       | 81.4     | 308.1 | 684         | 855                | 52%        |
| 12  | 28       | 8.5        | 90            | 7.16       | 47.9     | 181.3 | 644         | 806                | 39%        |
| 14  | 32       | 9.9        | 90            | 6.20       | 0.0      | 0.0   | 558         | 698                | 0%         |

| PSI  | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | Solar Array *Watts | Efficiency |
|------|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0    | 0        | 0.0        | 105           | 10.85      | 193.4    | 732.0 | 1139        | 1424               | 0%         |
| 2    | 5        | 1.4        | 105           | 10.84      | 181.2    | 685.8 | 1138        | 1423               | 14%        |
| 4    | 9        | 2.8        | 105           | 10.81      | 167.9    | 635.5 | 1135        | 1419               | 26%        |
| 6    | 14       | 4.2        | 105           | 10.75      | 154.1    | 583.3 | 1129        | 1411               | 36%        |
| 8    | 18       | 5.6        | 105           | 10.52      | 138.5    | 524.2 | 1105        | 1381               | 44%        |
| 10   | 23       | 7.0        | 105           | 10.11      | 121.5    | 459.9 | 1062        | 1327               | 50%        |
| 12   | 28       | 8.5        | 105           | 9.53       | 102.8    | 389.1 | 1001        | 1251               | 54%        |
| 14   | 32       | 9.9        | 105           | 9.41       | 77.8     | 294.5 | 988         | 1235               | 48%        |
| 16   | 37       | 11.3       | 105           | 8.81       | 41.4     | 156.7 | 925         | 1156               | 31%        |
| 17.5 | 40       | 12.3       | 105           | 7.77       | 0.0      | 0.0   | 816         | 1020               | 0%         |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM   | Motor Watts | Solar Array *Watts | Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|--------------------|------------|
| 0   | 0        | 0.0        | 120           | 13.11      | 219.6    | 831.2 | 1573        | 1967               | 0%         |
| 2   | 5        | 1.4        | 120           | 13.10      | 208.9    | 790.7 | 1572        | 1965               | 12%        |
| 4   | 9        | 2.8        | 120           | 13.08      | 198.1    | 749.8 | 1570        | 1962               | 22%        |
| 6   | 14       | 4.2        | 120           | 12.97      | 186.2    | 704.8 | 1556        | 1946               | 31%        |
| 8   | 18       | 5.6        | 120           | 12.77      | 173.1    | 655.2 | 1532        | 1916               | 39%        |
| 10  | 23       | 7.0        | 120           | 12.56      | 158.8    | 601.1 | 1507        | 1884               | 46%        |
| 12  | 28       | 8.5        | 120           | 12.06      | 142.9    | 540.9 | 1447        | 1809               | 52%        |
| 14  | 32       | 9.9        | 120           | 11.65      | 125.2    | 473.9 | 1398        | 1748               | 55%        |
| 16  | 37       | 11.3       | 120           | 11.31      | 105.0    | 397.4 | 1357        | 1697               | 54%        |
| 18  | 42       | 12.7       | 120           | 11.02      | 80.8     | 305.8 | 1322        | 1653               | 48%        |
| 20  | 46       | 14.1       | 120           | 10.53      | 47.9     | 181.3 | 1264        | 1580               | 33%        |
| 22  | 51       | 15.5       | 120           | 9.28       | 0.0      | 0.0   | 1114        | 1392               | 0%         |

\* Solar Array watts using a 20% deration factor.