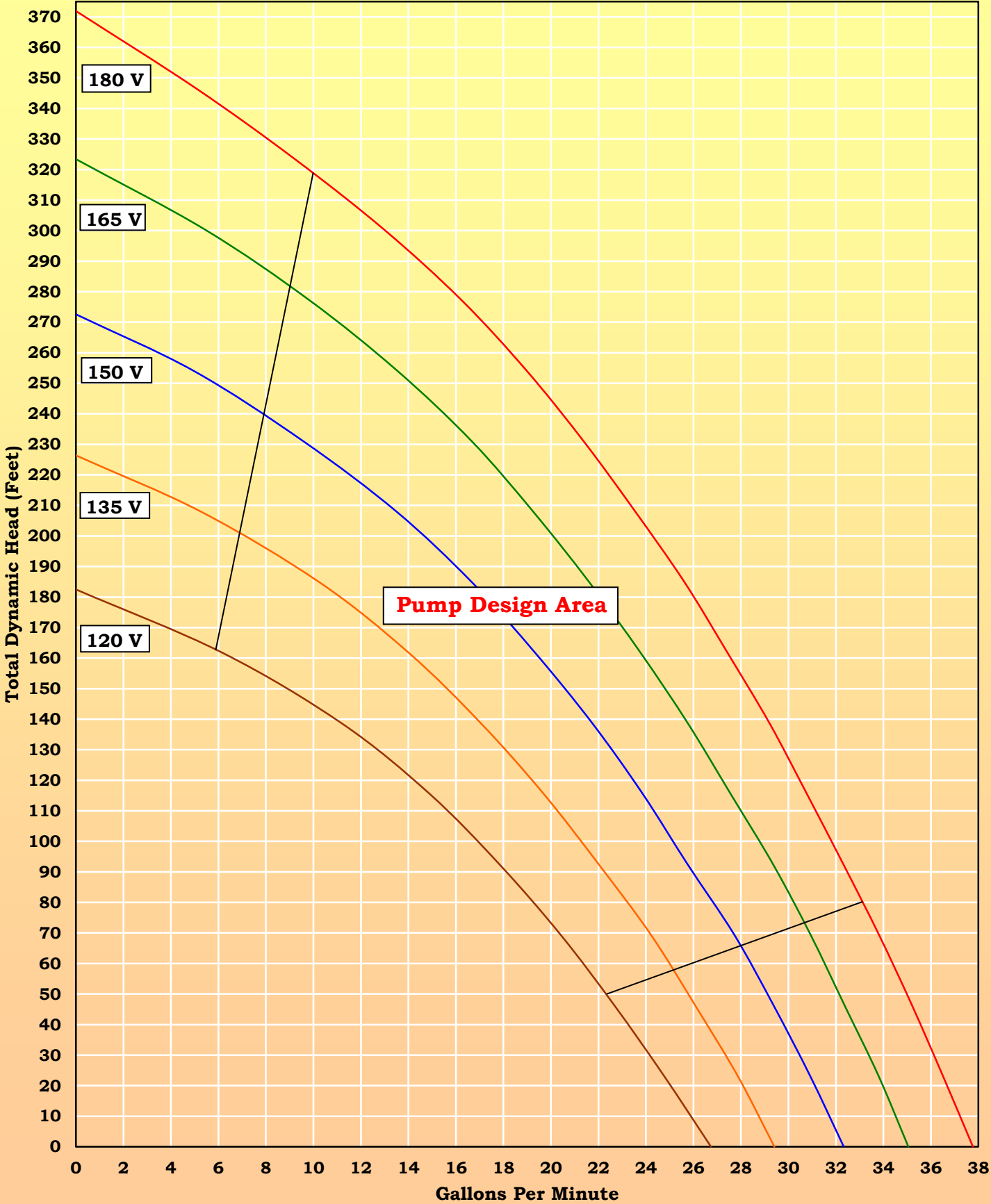


Multi-Stage Centrifugal Booster Pump Model SCB 22-225-180 BL

180 Volt Panel Direct System



Multi-Stage Centrifugal Booster Pump

Model SCB 22-225-180 BL

3 HP Brushless DC Motor

180 Volt Panel Direct System

13 Stages

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|---------------------|-------------------|
| 0 | 0 | 0.0 | 120 | 6.0 | 26.7 | 101.2 | 719 | 899 | 0% |
| 10 | 23 | 7.0 | 120 | 6.1 | 24.8 | 93.8 | 727 | 909 | 15% |
| 20 | 46 | 14.1 | 120 | 6.1 | 22.7 | 85.8 | 733 | 917 | 27% |
| 30 | 69 | 21.1 | 120 | 6.1 | 20.4 | 77.3 | 736 | 920 | 36% |
| 40 | 92 | 28.2 | 120 | 6.1 | 17.8 | 67.5 | 732 | 915 | 42% |
| 50 | 116 | 35.2 | 120 | 6.0 | 14.9 | 56.4 | 714 | 893 | 45% |
| 60 | 139 | 42.3 | 120 | 5.6 | 11.2 | 42.4 | 670 | 837 | 44% |
| 70 | 162 | 49.3 | 120 | 4.9 | 6.2 | 23.4 | 589 | 737 | 32% |
| 79 | 182 | 55.6 | 120 | 4.0 | 0.0 | 0.0 | 482 | 603 | 0% |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|---------------------|-------------------|
| 0 | 0 | 0.0 | 135 | 7.2 | 29.4 | 111.3 | 969 | 1212 | 0% |
| 10 | 23 | 7.0 | 135 | 7.2 | 27.9 | 105.5 | 977 | 1222 | 12% |
| 20 | 46 | 14.1 | 135 | 7.4 | 26.1 | 98.7 | 992 | 1240 | 23% |
| 30 | 69 | 21.1 | 135 | 7.4 | 24.2 | 91.7 | 992 | 1240 | 32% |
| 40 | 92 | 28.2 | 135 | 7.4 | 22.0 | 83.3 | 994 | 1242 | 39% |
| 50 | 116 | 35.2 | 135 | 7.3 | 19.7 | 74.6 | 988 | 1235 | 43% |
| 60 | 139 | 42.3 | 135 | 7.2 | 17.1 | 64.6 | 968 | 1210 | 46% |
| 70 | 162 | 49.3 | 135 | 6.9 | 14.0 | 53.1 | 932 | 1164 | 46% |
| 80 | 185 | 56.3 | 135 | 6.4 | 10.3 | 38.8 | 859 | 1073 | 42% |
| 90 | 208 | 63.4 | 135 | 5.7 | 5.3 | 20.0 | 774 | 967 | 27% |
| 98 | 226 | 69.0 | 135 | 4.8 | 0.0 | 0.0 | 653 | 817 | 0% |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|---------------------|-------------------|
| 0 | 0 | 0.0 | 150 | 8.5 | 32.3 | 122.4 | 1268 | 1584 | 0% |
| 10 | 23 | 7.0 | 150 | 8.5 | 30.9 | 117.0 | 1281 | 1601 | 11% |
| 20 | 46 | 14.1 | 150 | 8.7 | 29.4 | 111.2 | 1301 | 1626 | 20% |
| 30 | 69 | 21.1 | 150 | 8.7 | 27.7 | 105.0 | 1310 | 1637 | 28% |
| 40 | 92 | 28.2 | 150 | 8.7 | 25.8 | 97.5 | 1310 | 1637 | 34% |
| 50 | 116 | 35.2 | 150 | 8.7 | 23.9 | 90.3 | 1308 | 1635 | 40% |
| 60 | 139 | 42.3 | 150 | 8.7 | 21.8 | 82.3 | 1301 | 1626 | 44% |
| 70 | 162 | 49.3 | 150 | 8.5 | 19.3 | 73.2 | 1274 | 1592 | 46% |
| 80 | 185 | 56.3 | 150 | 8.3 | 16.7 | 63.1 | 1241 | 1551 | 47% |
| 90 | 208 | 63.4 | 150 | 7.8 | 13.5 | 51.1 | 1172 | 1464 | 45% |
| 100 | 231 | 70.4 | 150 | 7.1 | 9.6 | 36.3 | 1068 | 1335 | 39% |
| 110 | 254 | 77.5 | 150 | 6.6 | 5.0 | 18.7 | 989 | 1236 | 24% |
| 118 | 273 | 83.1 | 150 | 5.6 | 0.0 | 0.0 | 846 | 1058 | 0% |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|---------------------|-------------------|
| 0 | 0 | 0.0 | 165 | 9.9 | 35.1 | 132.7 | 1625 | 2032 | 0% |
| 10 | 23 | 7.0 | 165 | 9.9 | 33.8 | 127.9 | 1637 | 2046 | 9% |
| 20 | 46 | 14.1 | 165 | 10.0 | 32.4 | 122.5 | 1650 | 2063 | 17% |
| 30 | 69 | 21.1 | 165 | 10.1 | 30.9 | 117.1 | 1668 | 2085 | 24% |
| 40 | 92 | 28.2 | 165 | 10.2 | 29.4 | 111.1 | 1676 | 2096 | 30% |
| 50 | 116 | 35.2 | 165 | 10.2 | 27.6 | 104.4 | 1676 | 2096 | 36% |
| 60 | 139 | 42.3 | 165 | 10.1 | 25.8 | 97.5 | 1671 | 2089 | 40% |
| 70 | 162 | 49.3 | 165 | 10.1 | 23.8 | 90.0 | 1658 | 2073 | 44% |
| 80 | 185 | 56.3 | 165 | 9.9 | 21.6 | 81.8 | 1640 | 2050 | 46% |
| 90 | 208 | 63.4 | 165 | 9.8 | 19.3 | 72.9 | 1612 | 2015 | 47% |
| 100 | 231 | 70.4 | 165 | 9.5 | 16.7 | 63.1 | 1564 | 1955 | 46% |
| 110 | 254 | 77.5 | 165 | 9.1 | 13.5 | 51.2 | 1497 | 1871 | 43% |
| 120 | 277 | 84.5 | 165 | 8.4 | 9.8 | 37.2 | 1383 | 1728 | 37% |
| 130 | 300 | 91.6 | 165 | 7.8 | 5.4 | 20.6 | 1294 | 1617 | 24% |
| 140 | 323 | 98.6 | 165 | 6.7 | 0.0 | 0.0 | 1097 | 1372 | 0% |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|-------|-------------|---------------------|-------------------|
| 0 | 0 | 0.0 | 180 | 11.1 | 37.8 | 143.0 | 1998 | 2498 | 0% |
| 10 | 23 | 7.0 | 180 | 11.2 | 36.5 | 138.2 | 2012 | 2516 | 8% |
| 20 | 46 | 14.1 | 180 | 11.3 | 35.2 | 133.3 | 2025 | 2531 | 15% |
| 30 | 69 | 21.1 | 180 | 11.3 | 33.8 | 128.0 | 2041 | 2552 | 22% |
| 40 | 92 | 28.2 | 180 | 11.4 | 32.3 | 122.3 | 2056 | 2570 | 27% |
| 50 | 116 | 35.2 | 180 | 11.4 | 30.8 | 116.5 | 2059 | 2574 | 33% |
| 60 | 139 | 42.3 | 180 | 11.4 | 29.2 | 110.6 | 2057 | 2572 | 37% |
| 70 | 162 | 49.3 | 180 | 11.4 | 27.4 | 103.9 | 2052 | 2565 | 41% |
| 80 | 185 | 56.3 | 180 | 11.3 | 25.6 | 97.0 | 2039 | 2549 | 44% |
| 90 | 208 | 63.4 | 180 | 11.2 | 23.6 | 89.2 | 2014 | 2518 | 46% |
| 100 | 231 | 70.4 | 180 | 11.0 | 21.4 | 80.9 | 1984 | 2480 | 47% |
| 110 | 254 | 77.5 | 180 | 10.8 | 19.0 | 71.8 | 1935 | 2419 | 47% |
| 120 | 277 | 84.5 | 180 | 10.4 | 16.2 | 61.5 | 1865 | 2331 | 45% |
| 130 | 300 | 91.6 | 180 | 9.7 | 13.0 | 49.1 | 1751 | 2189 | 42% |
| 140 | 323 | 98.6 | 180 | 9.1 | 9.2 | 34.9 | 1643 | 2054 | 34% |
| 150 | 347 | 105.6 | 180 | 8.7 | 5.1 | 19.2 | 1561 | 1951 | 21% |
| 161 | 372 | 113.4 | 180 | 7.4 | 0.0 | 0.0 | 1334 | 1667 | 0% |

* Solar array watts using a 20% deration factor.