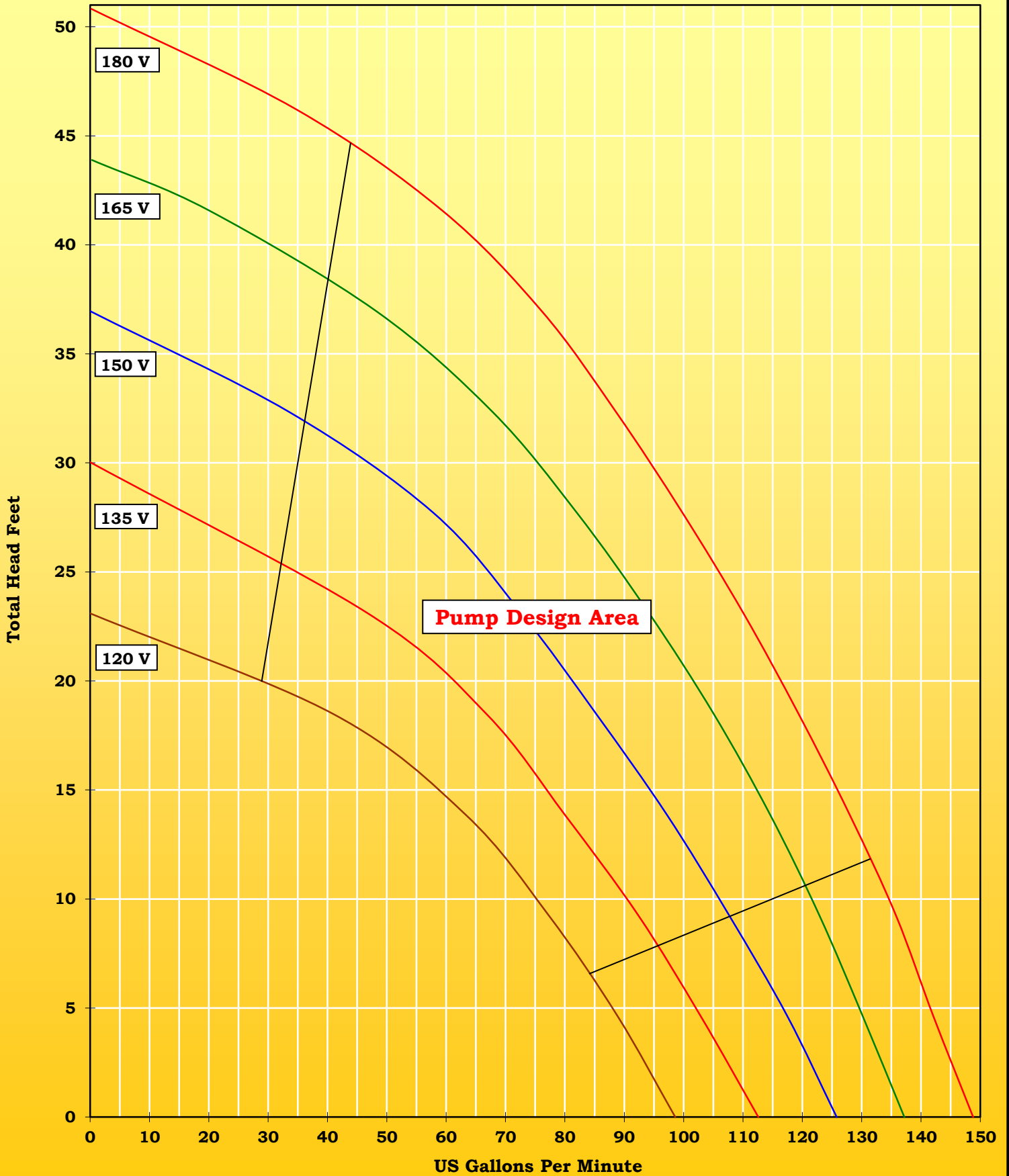


# SunPumps Centrifugal Pool Pumps Model SCP 85-35-180 LV



# SunPumps Centrifugal Pool Pumps

## MODEL SCP 85-35-180 LV

1.5 HP DC Motor

| 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           | 2.8        | 99       | 373 | 341         | 426                | 0%                |
| 2   | 5        | 1.4        | 120           | 2.9        | 89       | 336 | 347         | 434                | 22%               |
| 4   | 9        | 2.8        | 120           | 2.9        | 77       | 293 | 352         | 440                | 38%               |
| 6   | 14       | 4.2        | 120           | 2.8        | 63       | 240 | 341         | 426                | 48%               |
| 8   | 18       | 5.6        | 120           | 2.5        | 41       | 155 | 294         | 368                | 49%               |
| 10  | 23       | 7.0        | 120           | 1.7        | 0        | 0   | 204         | 255                | 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           | 3.5        | 113      | 426 | 470         | 587                | 0%                |
| 2   | 5        | 1.4        | 135           | 3.5        | 103      | 389 | 474         | 592                | 19%               |
| 4   | 9        | 2.8        | 135           | 3.5        | 92       | 350 | 478         | 597                | 34%               |
| 6   | 14       | 4.2        | 135           | 3.5        | 80       | 303 | 478         | 597                | 44%               |
| 8   | 18       | 5.6        | 135           | 3.4        | 67       | 253 | 462         | 577                | 50%               |
| 10  | 23       | 7.0        | 135           | 3.1        | 47       | 177 | 412         | 515                | 49%               |
| 13  | 30       | 9.2        | 135           | 2.0        | 0        | 0   | 273         | 341                | 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           | 4.1        | 126      | 476 | 618         | 773                | 0%                |
| 2   | 5        | 1.4        | 150           | 4.2        | 118      | 445 | 623         | 778                | 16%               |
| 4   | 9        | 2.8        | 150           | 4.2        | 108      | 408 | 629         | 786                | 30%               |
| 6   | 14       | 4.2        | 150           | 4.2        | 97       | 368 | 635         | 793                | 40%               |
| 8   | 18       | 5.6        | 150           | 4.2        | 85       | 323 | 632         | 789                | 47%               |
| 10  | 23       | 7.0        | 150           | 4.1        | 73       | 275 | 614         | 767                | 52%               |
| 12  | 28       | 8.5        | 150           | 3.8        | 58       | 219 | 564         | 705                | 54%               |
| 14  | 32       | 9.9        | 150           | 3.2        | 34       | 127 | 474         | 593                | 43%               |
| 16  | 37       | 11.3       | 150           | 2.4        | 0        | 0   | 357         | 446                | 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           | 4.8        | 137      | 519 | 792         | 990                | 0%                |
| 2   | 5        | 1.4        | 165           | 4.9        | 130      | 493 | 800         | 1000               | 14%               |
| 4   | 9        | 2.8        | 165           | 4.9        | 123      | 465 | 805         | 1007               | 27%               |
| 6   | 14       | 4.2        | 165           | 4.9        | 115      | 434 | 815         | 1019               | 37%               |
| 8   | 18       | 5.6        | 165           | 5.0        | 105      | 398 | 820         | 1025               | 45%               |
| 10  | 23       | 7.0        | 165           | 4.9        | 94       | 357 | 815         | 1019               | 50%               |
| 12  | 28       | 8.5        | 165           | 4.8        | 82       | 310 | 795         | 994                | 54%               |
| 14  | 32       | 9.9        | 165           | 4.5        | 68       | 257 | 749         | 936                | 55%               |
| 16  | 37       | 11.3       | 165           | 4.1        | 48       | 182 | 678         | 848                | 49%               |
| 18  | 42       | 12.7       | 165           | 2.9        | 20       | 76  | 483         | 604                | 32%               |
| 19  | 44       | 13.4       | 165           | 2.8        | 0        | 1   | 457         | 571                | 1%                |

| 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           | 5.6        | 149      | 563 | 1001        | 1251               | 0%                |
| 2   | 5        | 1.4        | 180           | 5.6        | 142      | 538 | 1006        | 1258               | 12%               |
| 4   | 9        | 2.8        | 180           | 5.6        | 136      | 514 | 1013        | 1267               | 23%               |
| 6   | 14       | 4.2        | 180           | 5.7        | 128      | 484 | 1022        | 1278               | 33%               |
| 8   | 18       | 5.6        | 180           | 5.7        | 119      | 452 | 1030        | 1287               | 40%               |
| 10  | 23       | 7.0        | 180           | 5.7        | 110      | 417 | 1033        | 1292               | 46%               |
| 12  | 28       | 8.5        | 180           | 5.7        | 100      | 378 | 1026        | 1283               | 51%               |
| 14  | 32       | 9.9        | 180           | 5.6        | 89       | 335 | 1008        | 1260               | 54%               |
| 16  | 37       | 11.3       | 180           | 5.4        | 76       | 288 | 965         | 1206               | 55%               |
| 18  | 42       | 12.7       | 180           | 5.0        | 59       | 224 | 891         | 1114               | 52%               |
| 20  | 46       | 14.1       | 180           | 4.4        | 35       | 132 | 790         | 988                | 38%               |
| 22  | 51       | 15.5       | 180           | 3.2        | 0        | 1   | 569         | 711                | 0%                |

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