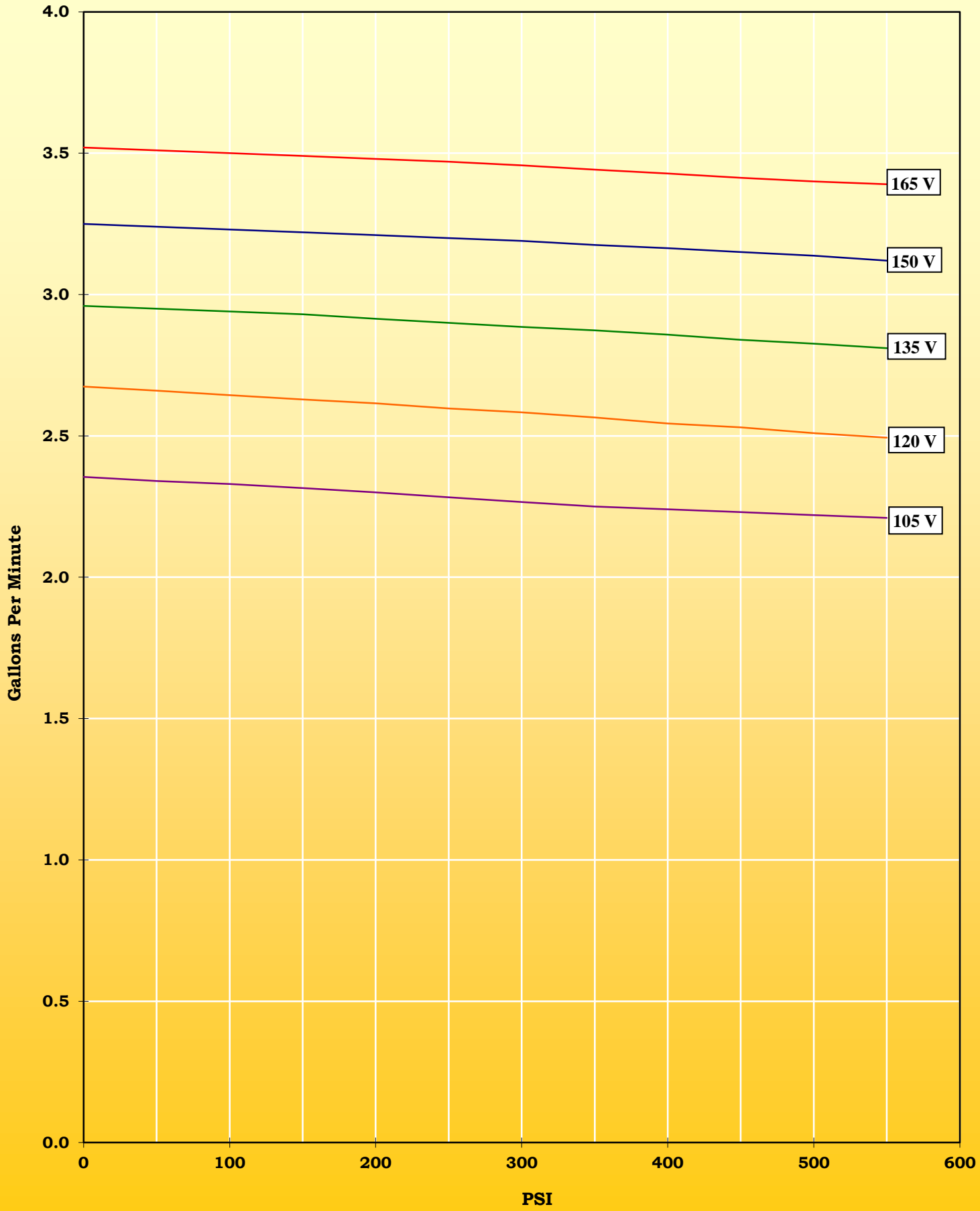


**Sunpumps High Pressure Plunger Pump
Model SIJ 3.4-550P-165 BT**



SunPumps High Pressure Plunger Pump Model SIJ 3.4-550P-165 BT

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|-----|-------------|---------------------|-------------------|
| 0 | 0 | 0 | 105 | 1.45 | 2.36 | 8.9 | 152 | 190 | 0% |
| 50 | 116 | 35 | 105 | 2.00 | 2.34 | 8.9 | 210 | 263 | 24% |
| 100 | 231 | 70 | 105 | 2.55 | 2.33 | 8.8 | 268 | 335 | 38% |
| 150 | 347 | 106 | 105 | 3.10 | 2.32 | 8.8 | 326 | 407 | 46% |
| 200 | 462 | 141 | 105 | 3.68 | 2.30 | 8.7 | 386 | 483 | 52% |
| 250 | 578 | 176 | 105 | 4.15 | 2.28 | 8.6 | 436 | 545 | 57% |
| 300 | 693 | 211 | 105 | 4.69 | 2.27 | 8.6 | 492 | 616 | 60% |
| 350 | 809 | 246 | 105 | 5.21 | 2.25 | 8.5 | 547 | 684 | 63% |
| 400 | 924 | 282 | 105 | 5.69 | 2.24 | 8.5 | 597 | 747 | 65% |
| 450 | 1040 | 317 | 105 | 6.20 | 2.23 | 8.4 | 651 | 814 | 67% |
| 500 | 1155 | 352 | 105 | 6.71 | 2.22 | 8.4 | 705 | 881 | 69% |
| 550 | 1271 | 387 | 105 | 7.20 | 2.21 | 8.4 | 756 | 945 | 70% |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|------|-------------|---------------------|-------------------|
| 0 | 0 | 0 | 120 | 1.59 | 2.67 | 10.1 | 191 | 239 | 0% |
| 50 | 116 | 35 | 120 | 2.12 | 2.66 | 10.1 | 254 | 318 | 23% |
| 100 | 231 | 70 | 120 | 2.65 | 2.64 | 10.0 | 318 | 398 | 36% |
| 150 | 347 | 106 | 120 | 3.18 | 2.63 | 10.0 | 382 | 477 | 45% |
| 200 | 462 | 141 | 120 | 3.71 | 2.62 | 9.9 | 445 | 557 | 51% |
| 250 | 578 | 176 | 120 | 4.21 | 2.60 | 9.8 | 505 | 632 | 56% |
| 300 | 693 | 211 | 120 | 4.74 | 2.58 | 9.8 | 569 | 711 | 59% |
| 350 | 809 | 246 | 120 | 5.23 | 2.57 | 9.7 | 628 | 785 | 62% |
| 400 | 924 | 282 | 120 | 5.75 | 2.54 | 9.6 | 690 | 863 | 64% |
| 450 | 1040 | 317 | 120 | 6.23 | 2.53 | 9.6 | 748 | 935 | 66% |
| 500 | 1155 | 352 | 120 | 6.71 | 2.51 | 9.5 | 805 | 1007 | 68% |
| 550 | 1271 | 387 | 120 | 7.25 | 2.49 | 9.4 | 870 | 1088 | 69% |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|------|-------------|---------------------|-------------------|
| 0 | 0 | 0 | 135 | 1.75 | 2.96 | 11.2 | 236 | 295 | 0% |
| 50 | 116 | 35 | 135 | 2.23 | 2.95 | 11.2 | 301 | 376 | 21% |
| 100 | 231 | 70 | 135 | 2.74 | 2.94 | 11.1 | 370 | 462 | 35% |
| 150 | 347 | 106 | 135 | 3.25 | 2.93 | 11.1 | 439 | 548 | 44% |
| 200 | 462 | 141 | 135 | 3.79 | 2.91 | 11.0 | 512 | 640 | 50% |
| 250 | 578 | 176 | 135 | 4.28 | 2.90 | 11.0 | 578 | 722 | 55% |
| 300 | 693 | 211 | 135 | 4.82 | 2.89 | 10.9 | 651 | 813 | 58% |
| 350 | 809 | 246 | 135 | 5.30 | 2.87 | 10.9 | 716 | 894 | 61% |
| 400 | 924 | 282 | 135 | 5.84 | 2.86 | 10.8 | 788 | 986 | 63% |
| 450 | 1040 | 317 | 135 | 6.30 | 2.84 | 10.7 | 851 | 1063 | 65% |
| 500 | 1155 | 352 | 135 | 6.83 | 2.83 | 10.7 | 922 | 1153 | 67% |
| 550 | 1271 | 387 | 135 | 7.32 | 2.81 | 10.6 | 988 | 1235 | 68% |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|------|-------------|---------------------|-------------------|
| 0 | 0 | 0 | 150 | 1.80 | 3.25 | 12.3 | 270 | 338 | 0% |
| 50 | 116 | 35 | 150 | 2.32 | 3.24 | 12.3 | 348 | 435 | 20% |
| 100 | 231 | 70 | 150 | 2.85 | 3.23 | 12.2 | 428 | 534 | 33% |
| 150 | 347 | 106 | 150 | 3.38 | 3.22 | 12.2 | 507 | 634 | 41% |
| 200 | 462 | 141 | 150 | 3.91 | 3.21 | 12.1 | 587 | 733 | 48% |
| 250 | 578 | 176 | 150 | 4.40 | 3.20 | 12.1 | 660 | 825 | 53% |
| 300 | 693 | 211 | 150 | 4.90 | 3.19 | 12.1 | 735 | 919 | 57% |
| 350 | 809 | 246 | 150 | 5.43 | 3.18 | 12.0 | 815 | 1018 | 59% |
| 400 | 924 | 282 | 150 | 5.92 | 3.16 | 12.0 | 888 | 1110 | 62% |
| 450 | 1040 | 317 | 150 | 6.40 | 3.15 | 11.9 | 960 | 1200 | 64% |
| 500 | 1155 | 352 | 150 | 6.88 | 3.14 | 11.9 | 1032 | 1290 | 66% |
| 550 | 1271 | 387 | 150 | 7.37 | 3.12 | 11.8 | 1106 | 1382 | 68% |

| PSI | TDH Feet | TDH Meters | Motor Voltage | Motor Amps | U.S. GPM | LPM | Motor Watts | Solar Array Watts * | System Efficiency |
|-----|----------|------------|---------------|------------|----------|------|-------------|---------------------|-------------------|
| 0 | 0 | 0 | 165 | 2.17 | 3.52 | 13.3 | 358 | 448 | 0% |
| 50 | 116 | 35 | 165 | 2.65 | 3.51 | 13.3 | 437 | 547 | 17% |
| 100 | 231 | 70 | 165 | 3.13 | 3.50 | 13.2 | 516 | 646 | 29% |
| 150 | 347 | 106 | 165 | 3.61 | 3.49 | 13.2 | 596 | 745 | 38% |
| 200 | 462 | 141 | 165 | 4.09 | 3.48 | 13.2 | 675 | 844 | 45% |
| 250 | 578 | 176 | 165 | 4.59 | 3.47 | 13.1 | 757 | 947 | 50% |
| 300 | 693 | 211 | 165 | 5.06 | 3.46 | 13.1 | 835 | 1044 | 54% |
| 350 | 809 | 246 | 165 | 5.56 | 3.44 | 13.0 | 917 | 1147 | 57% |
| 400 | 924 | 282 | 165 | 6.02 | 3.43 | 13.0 | 993 | 1242 | 60% |
| 450 | 1040 | 317 | 165 | 6.53 | 3.41 | 12.9 | 1077 | 1347 | 62% |
| 500 | 1155 | 352 | 165 | 6.97 | 3.40 | 12.9 | 1150 | 1438 | 64% |
| 550 | 1271 | 387 | 165 | 7.47 | 3.39 | 12.8 | 1233 | 1541 | 66% |

* Solar array watts using a 20% deration factor.