# Performance Data Sheet

## AWA2460ZXT

## General Information

| | | | |
|---|---|---|---|
| **Model** | AWA2460ZXT | **Refrigerant** | R-404A |
| **Test Condition** | ARI | **Performance Test Voltage** | 230V 3~ 60HZ |
| **Return Gas** | 4.4°C (40°F) RETURN GAS | **Motor Type** | 3PH |

## Performance Information

| Evap Temp (°F) | | Condensing Temperature (°F) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | **80** | **90** | **100** | **110** | **120** | **130** | **140** |
| **-40** | Btu/h | 2970 | 2770 | 2270 | 1620 | 950 | 399 | 107 |
| | Watts | 1080 | 964 | 858 | 753 | 639 | 505 | 343 |
| | Amps | 5.09 | 4.76 | 4.50 | 4.29 | 4.13 | 3.99 | 3.87 |
| | Lb/h | 45.0 | 49.2 | 45.1 | 35.5 | 23.2 | 10.9 | 1.41 |
| **-35** | Btu/h | 4090 | 3760 | 3120 | 2330 | 1510 | 800 | 350 |
| | Watts | 1210 | 1090 | 987 | 883 | 770 | 637 | 476 |
| | Amps | 5.21 | 4.91 | 4.66 | 4.46 | 4.28 | 4.13 | 3.99 |
| | Lb/h | 66.2 | 68.3 | 62.1 | 50.4 | 36.0 | 21.6 | 9.98 |
| **-30** | Btu/h | 5330 | 4860 | 4090 | 3140 | 2170 | 1310 | 701 |
| | Watts | 1340 | 1230 | 1130 | 1030 | 920 | 792 | 634 |
| | Amps | 5.36 | 5.08 | 4.85 | 4.66 | 4.48 | 4.32 | 4.16 |
| | Lb/h | 88.8 | 89.1 | 81.1 | 67.7 | 51.5 | 35.4 | 22.0 |
| **-25** | Btu/h | 6690 | 6080 | 5160 | 4070 | 2950 | 1930 | 1160 |
| | Watts | 1470 | 1370 | 1280 | 1190 | 1090 | 964 | 814 |
| | Amps | 5.51 | 5.27 | 5.07 | 4.89 | 4.73 | 4.56 | 4.39 |
| | Lb/h | 113 | 112 | 102 | 87.5 | 69.9 | 52.4 | 37.6 |
| **-20** | Btu/h | 8160 | 7420 | 6360 | 5120 | 3840 | 2670 | 1740 |
| | Watts | 1600 | 1510 | 1430 | 1350 | 1260 | 1150 | 1010 |
| | Amps | 5.67 | 5.47 | 5.30 | 5.15 | 5.00 | 4.84 | 4.67 |
| | Lb/h | 139 | 136 | 126 | 110 | 91.4 | 72.8 | 57.0 |
| **-15** | Btu/h | 9760 | 8880 | 7670 | 6290 | 4860 | 3530 | 2440 |
| | Watts | 1720 | 1650 | 1590 | 1520 | 1440 | 1350 | 1220 |
| | Amps | 5.83 | 5.68 | 5.55 | 5.43 | 5.30 | 5.16 | 4.99 |
| | Lb/h | 166 | 163 | 152 | 136 | 116 | 96.9 | 80.4 |
| **-10** | Btu/h | 11500 | 10500 | 9110 | 7580 | 6000 | 4510 | 3260 |
| | Watts | 1840 | 1780 | 1740 | 1690 | 1630 | 1550 | 1440 |
| | Amps | 5.98 | 5.89 | 5.81 | 5.73 | 5.63 | 5.51 | 5.34 |
| | Lb/h | 196 | 193 | 181 | 164 | 144 | 125 | 108 |
| **-5** | Btu/h | 13300 | 12200 | 10700 | 9000 | 7270 | 5630 | 4210 |
| | Watts | 1940 | 1900 | 1880 | 1850 | 1810 | 1760 | 1670 |
| | Amps | 6.12 | 6.10 | 6.07 | 6.04 | 5.97 | 5.88 | 5.73 |
| | Lb/h | 228 | 225 | 213 | 196 | 176 | 157 | 140 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **0** | Btu/h | 15300 | 14000 | 12400 | 10600 | 8670 | 6870 | 5290 |
| | Watts | 2020 | 2010 | 2010 | 2010 | 1990 | 1960 | 1900 |
| | Amps | 6.24 | 6.29 | 6.33 | 6.35 | 6.33 | 6.26 | 6.14 |
| | Lb/h | 262 | 259 | 248 | 231 | 212 | 193 | 176 |
| **5** | Btu/h | 17500 | 16000 | 14200 | 12200 | 10200 | 8250 | 6500 |
| | Watts | 2080 | 2100 | 2120 | 2150 | 2170 | 2160 | 2120 |
| | Amps | 6.34 | 6.47 | 6.58 | 6.65 | 6.69 | 6.66 | 6.58 |
| | Lb/h | 299 | 297 | 286 | 270 | 252 | 233 | 217 |
| **10** | Btu/h | 19700 | 18100 | 16200 | 14100 | 11900 | 9760 | 7860 |
| | Watts | 2110 | 2160 | 2220 | 2280 | 2320 | 2350 | 2340 |
| | Amps | 6.41 | 6.63 | 6.81 | 6.95 | 7.04 | 7.07 | 7.02 |
| | Lb/h | 339 | 338 | 328 | 313 | 296 | 278 | 263 |

| COEFFICIENTS | CAPACITY | POWER | CURRENT | MASS FLOW |
|---|---|---|---|---|
| C1 | -2.926234E+03 | 3.587479E+03 | 6.760324E+00 | -3.417110E+02 |
| C2 | 6.059137E+02 | -2.995979E+01 | -1.657008E-01 | 6.323294E+00 |
| C3 | 7.143457E+02 | -4.795454E+01 | -2.978772E-02 | 1.782967E+01 |
| C4 | 2.878347E+00 | -9.768779E-01 | -1.619759E-03 | -3.887437E-03 |
| C5 | -2.068059E+00 | 5.686311E-01 | 3.102873E-03 | 9.828251E-03 |
| C6 | -7.933262E+00 | 4.853451E-01 | 4.389373E-04 | -1.652866E-01 |
| C7 | 5.120892E-03 | -5.334260E-03 | -7.676438E-06 | 2.424258E-04 |
| C8 | -1.287072E-03 | 6.629249E-03 | 1.437685E-05 | 6.991185E-04 |
| C9 | -4.443240E-03 | -2.148470E-04 | -9.385236E-06 | 2.074242E-06 |
| C10 | 2.321417E-02 | -1.636157E-03 | -1.840135E-06 | 4.596619E-04 |

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature