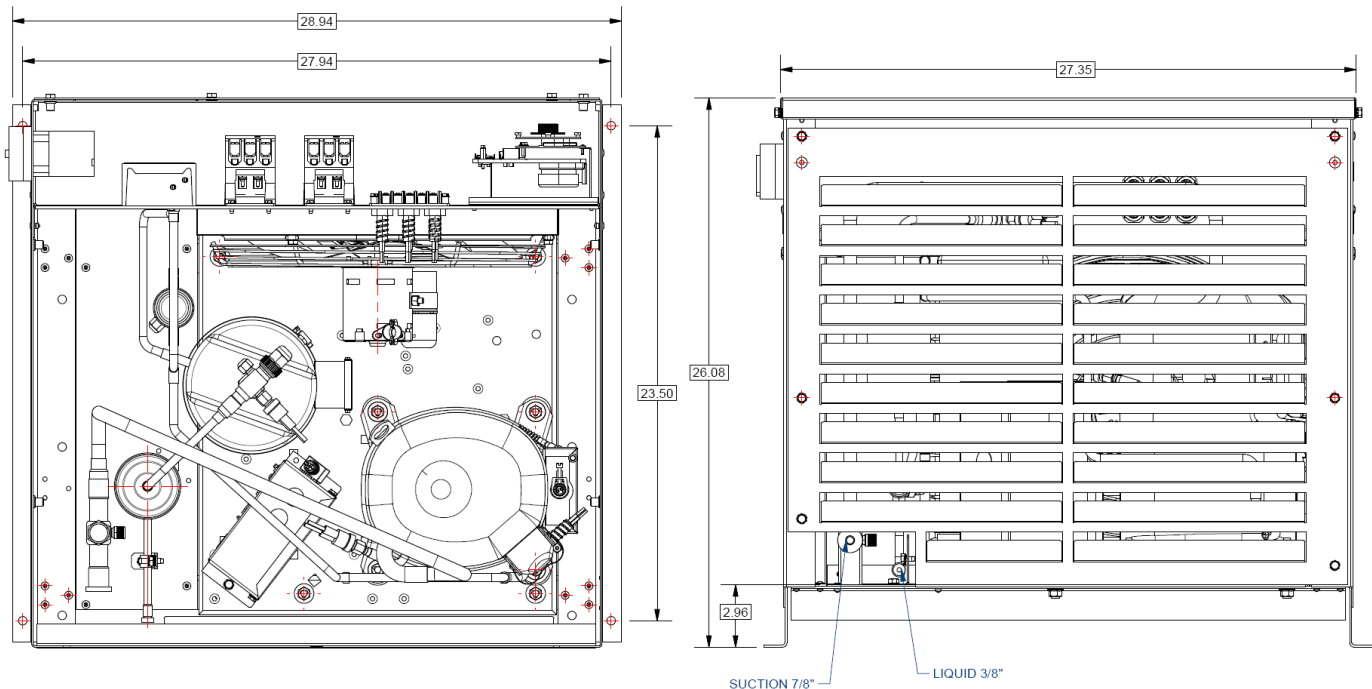




TECUMSEH OUTDOOR CONDENSING UNIT

Model **AWA2457ZXDKS**
BOM **32L3243-4U**

Air Cooled **1 1/2 HP**
Application **Low Temp**
Refrigerant **R404A**
Volts-Hz-Ph. **208-230/60/1**



| AWA2457ZXDKS | Overall Dimensions, inch (mm) | | | Line connections | | Pump down 90% @ 90°F | Air flow SCFM | Oil Ch. Oz. | Gross weight Lbs. (kg) |
|--------------|-------------------------------|-------------|-------------|------------------|--------|-------------------------|------------------|----------------|---------------------------|
| | L | W | H | Suction | Liquid | | | | |
| | 26.55 (674) | 28.94 (735) | 26.08 (662) | 7/8" | 3/8" | 15.70 lbs. | 750 | 38.6 | 200 (91) |

Factory charge 20 psig dry air, **MUST BE EVACUATED**

| Evaporator | | Ambient Temperatures | | | | | | | | | | | | | | |
|------------|-------------|----------------------|-------------|-----------|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | | 80°F | | | 90°F | | | 95°F | | | 100°F | | | 110°F | | |
| T, °F | PSIG | BTUH | Watts | Cond T | BTUH | Watts | Cond T | BTUH | Watts | Cond T | BTUH | Watts | Cond T | BTUH | Watts | Cond T |
| -40 | 5.5 | 2300 | 910 | 86 | 1800 | 850 | 95 | 1500 | 820 | 100 | 1700 | 880 | 106 | 1200 | 820 | 115 |
| -35 | 8.0 | 2900 | 990 | 88 | 2300 | 940 | 97 | 2000 | 910 | 101 | 2300 | 980 | 107 | 1700 | 920 | 116 |
| -30 | 10.7 | 3600 | 1090 | 90 | 3000 | 1040 | 98 | 2600 | 1010 | 103 | 2300 | 980 | 107 | 1700 | 920 | 116 |
| -25 | 14.0 | 4400 | 1190 | 92 | 3700 | 1140 | 100 | 3300 | 1120 | 104 | 3000 | 1090 | 108 | 2300 | 1040 | 117 |
| -20 | 17.1 | 5300 | 1290 | 94 | 4500 | 1250 | 102 | 4100 | 1230 | 106 | 3700 | 1210 | 110 | 2900 | 1160 | 119 |
| -15 | 19.3 | 6300 | 1400 | 96 | 5400 | 1370 | 104 | 4900 | 1350 | 108 | 4500 | 1330 | 112 | 3600 | 1280 | 120 |
| -10 | 24.5 | 7200 | 1510 | 98 | 6300 | 1490 | 106 | 5800 | 1480 | 110 | 5300 | 1460 | 114 | 4400 | 1420 | 122 |
| -5 | 28.8 | 8200 | 1630 | 101 | 7200 | 1620 | 108 | 6700 | 1610 | 112 | 6200 | 1590 | 116 | 5100 | 1560 | 124 |
| 0 | 33.5 | 9300 | 1750 | 103 | 8100 | 1740 | 111 | 7600 | 1740 | 115 | 7000 | 1730 | 119 | 5900 | 1700 | 126 |
| 5 | 36.5 | 10300 | 1860 | 106 | 9100 | 1870 | 114 | 8500 | 1870 | 117 | 7900 | 1870 | 121 | 6700 | 1850 | 129 |
| 10 | 43.7 | 11200 | 1980 | 109 | 10000 | 2000 | 117 | 9400 | 2010 | 120 | 8700 | 2010 | 124 | 7500 | 1990 | 131 |

Performance @ 60 Hz, Return gas 40°F, Sub Cooling 5°F

PRELIMINARY DATA

| Parts/Specifications | | | | | |
|----------------------------|-----------------|-----------------------|------------|-----------------------------|--------------|
| Unit BOM | 32L3243-4U | Fan Motor | 810F050C20 | Adjustable Fan Control | ---- |
| Unit MODEL | AWA2457ZXDKS | Replacement Fan Motor | 50W230 | Fixed Fan Control | ---- |
| | | Fan Motor Qty | 1 | | |
| Refrigeration Range | -40°F to 10°F | Fan Motor RLA | 0.7 | Defrost Timer | ---- |
| Design Pressure Low / High | 181 / 450 | Fan Blade | 51568-1 | Electric Defrost Timer | LTCG-T2 |
| Volts - HZ - Ph | 208-230V ~ 60HZ | Fan Guard | 70831 | | |
| Voltage Range | 187 - 253 | | | Receiver Heater | ----- |
| Min. Circuit Ampacity | 12.69 | Shroud | 70727-2 | Receiver Heater Thermostat | ----- |
| Max. Fuse Size | 20 | Condenser | 50857-1 | C/Case Heater | 91022-1 |
| | | | | | |
| Compressor MODEL | AWA2450ZXD | Receiver | 51082-1K | Unit Drawing | DGU1918-L421 |
| Compressor BOM | AW615ET-099-J7 | Accumulator | ---- | Wiring Diagram | WD21-102 |
| Compressor LRA | 56 | Liquid Filter | 70139 | | |
| Compressor RLA | 9.42 | Sight Glass | 70084-S | | |
| | | Suction Filter | ---- | | |
| OverLoad | Internal | | | | |
| Replacement Kit - O/L | ---- | High Pressure Switch | 84095-2L | | |
| Relay | 8200RVAL98 | Low Pressure Control | 84026-2 | | |
| Replacement Kit - Relay | K71-62 | Low Pressure Switch | ---- | | |
| Run Capacitor | 85PR370F23 | Head Master Valve | 70083 | | |
| Replacement Kit Run Cap. | K150-12 | Check Valve | ---- | Loose Optional Items | |
| Start Capacitor | 85PS330D16 | Liquid Valve | 31590 | Disconnect Switch | LDSG-311 |
| Replacement Kit Start Cap | K146-43 | Suction Valve (Base) | 56500-K14 | Liquid Solenoid | KSVC-264 |
| Contactors | 91014H | | | Hail Louver | ---- |

