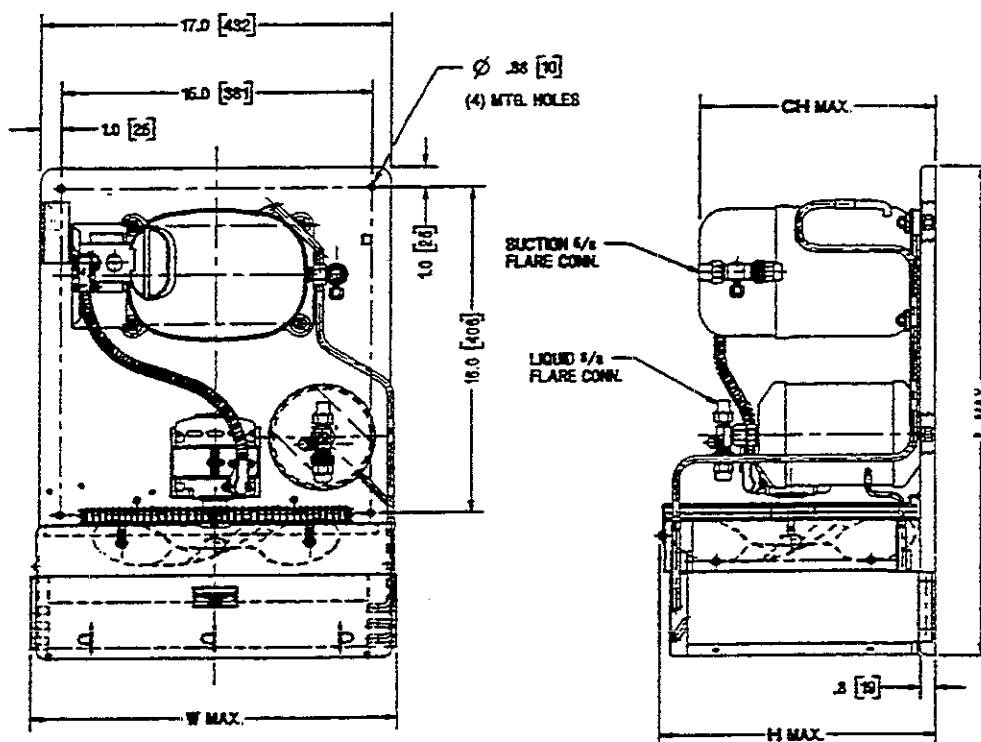




# TECUMSEH HERMETIC CONDENSING UNITS

Date: 9-8-95

MODEL AJA4512YXDXC (Formerly AJ4512YC) R-134a 1 HP AIR COOLED



NOTE  
DIMENSIONING = INCHES [MILLIMETERS]

| Model                                                                                                                                                                         | Dimensions |         |       |      | *Line Connection |       | Pumpdown<br>90° F<br>90% Full | Air<br>CFM | Oil<br>Chg<br>oz. | Gr.<br>Wt.<br>Lbs. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-------|------|------------------|-------|-------------------------------|------------|-------------------|--------------------|
|                                                                                                                                                                               | L          | W       | H     | CH   | Suct.            | Liq.  |                               |            |                   |                    |
| AJA4512YXDXC                                                                                                                                                                  | 24.3       | 17.9    | 13.4  | 11.6 | 5/8 F            | 3/8 F | 7.0#                          | 610        | 26                | 101                |
| *F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections C= Compression Fitting<br>Factory charge: 20 psig dry air - MUST BE EVACUATED 60 HZ Performance |            |         |       |      |                  |       |                               |            |                   |                    |
| Approved<br>Evap. Range                                                                                                                                                       |            | Ambient |       |      |                  |       |                               |            |                   |                    |
|                                                                                                                                                                               |            | 90° F   |       |      | 100° F           |       |                               | 110° F     |                   |                    |
| °F                                                                                                                                                                            | PSIG       | BTUH    | Watts | Head | BTUH             | Watts | Head                          | BTUH       | Watts             | Head               |
| 20                                                                                                                                                                            | 18.4       | 7250    | 1190  | 155  | 6800             | 1200  | 170                           | 6350       | 1220              | 180                |
| 25                                                                                                                                                                            | 22.1       | 8200    | 1270  | 160  | 7650             | 1280  | 175                           | 7200       | 1300              | 185                |
| 30                                                                                                                                                                            | 26.0       | 9100    | 1340  | 165  | 8600             | 1360  | 177                           | 8100       | 1380              | 190                |
| 35                                                                                                                                                                            | 30.3       | 10100   | 1430  | 168  | 9550             | 1450  | 180                           | 9000       | 1420              | 195                |
| 40                                                                                                                                                                            | 35.0       | 11100   | 1510  | 172  | 10500            | 1530  | 185                           | 9950       | 1550              | 198                |
| 45                                                                                                                                                                            | 40.0       | 12200   | 1600  | 175  | 11500            | 1620  | 190                           | 10900      | 1640              | 202                |
| 50                                                                                                                                                                            | 45.3       | 13300   | 1690  | 180  | 12600            | 1710  | 195                           | 11950      | 1730              | 205                |
| 55                                                                                                                                                                            | 51.1       | 14500   | 1780  | 185  | 13800            | 1810  | 200                           | 13000      | 1830              | 210                |

Based on 65° F return gas and 5° F subcooling.

SPECIFICATIONS AJA4512YXDXC

Nominal Voltage ----- 230/208-60-1

Unit B/M ----- 2A1193-1

Voltage Range ----- 253 to 187

Min. Circuit Ampacity -- 9.6

Max. Fuse Size (Amps) -- 15

Compressor Model ----- AJA4512YXD

Bill of Material -- AJ137ET-193-P2

RLA/LRA ----- 7.0/41.0

Overload ----- 8300MRTJ79

Int. Rel. Box ----- AE1170-5

Relay ----- 820ARR3B91

Relay Alternate --- 8200128G82

Cap. Start ----- 855S330C83

Rating ----- 88-108/330

Run Cap. ----- 85PR370E36

Rating ----- 15/370

Fan Motor ----- 81062-1B

Alternate ----- 810E026A74

Fan Blade ----- 51563

Fan Guard ----- 70769-6

Condenser ----- 50802-6

Condenser Shroud ----- 70736

Receiver Tank ----- 51081

Receiver Tank Valve ----- 31547

Unit Drawing ----- SU1893-24

Schematic or Elect. Dwg. ---- 90657-1

