



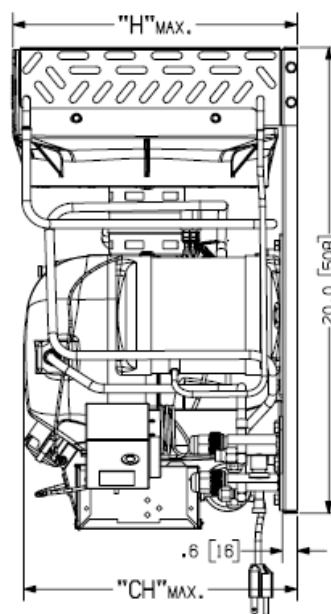
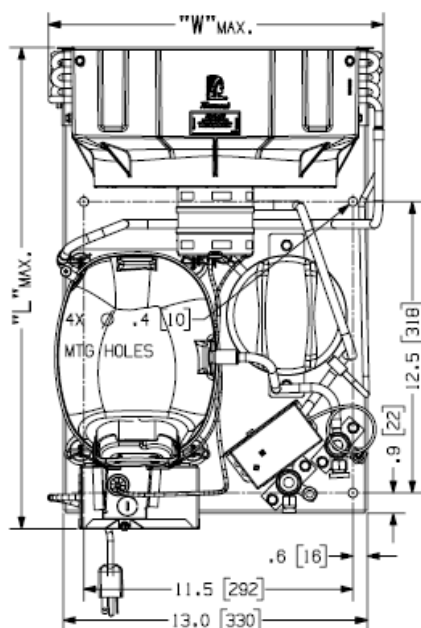
# Celseon® Air Cooled Condensing Unit

Model: AJ7455Y-AA3ADC

BoM: 29G742-59, -99

R-134a

3/4 HP



## Large Capacity Pump Down Unit

| Model          | Dimensions, inches |      |      |      | Line Connection* |        | Pumpdown  | Air  | Oil Ch | Gr. Wt. |
|----------------|--------------------|------|------|------|------------------|--------|-----------|------|--------|---------|
|                | L                  | W    | H    | CH   | Suction          | Liquid | 90 °F 90% | SCFM | Oz.    | Lbs.    |
| AJ7455Y-AA3ADC | 20.7               | 14.3 | 12.1 | 11.7 | 5/8" S           | 3/8" S | 6.6 lbs.  | 230  | 16.1   | 64      |

\* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting  
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

| Evaporator T, |      | Ambient Temperatures |       |        |      |       |        |       |       |        |       |       |        |
|---------------|------|----------------------|-------|--------|------|-------|--------|-------|-------|--------|-------|-------|--------|
|               |      | 80°F                 |       |        | 90°F |       |        | 100°F |       |        | 110°F |       |        |
| °F            | PSIG | BTUH                 | Watts | Cond T | BTUH | Watts | Cond T | BTUH  | Watts | Cond T | BTUH  | Watts | Cond T |
| -10           | 1.9  | 2755                 | 640   | 96     | 2438 | 634   | 105    | 2035  | 609   | 113    | 1651  | 574   | 121    |
| -5            | 4.2  | 3286                 | 709   | 99     | 2913 | 697   | 108    | 2470  | 677   | 116    | 2063  | 654   | 124    |
| 0             | 6.5  | 3831                 | 781   | 102    | 3405 | 769   | 111    | 2926  | 754   | 119    | 2492  | 738   | 127    |
| 5             | 9.1  | 4388                 | 858   | 106    | 3914 | 850   | 115    | 3401  | 837   | 122    | 2938  | 825   | 130    |
| 10            | 11.9 | 4958                 | 939   | 110    | 4439 | 938   | 118    | 3896  | 929   | 125    | 3401  | 916   | 133    |
| 15            | 15.0 | 5542                 | 1024  | 113    | 4981 | 1035  | 122    | 4412  | 1028  | 129    | 3882  | 1010  | 137    |
| 20            | 18.4 | 6138                 | 1114  | 117    | 5540 | 1140  | 125    | 4947  | 1135  | 133    | 4380  | 1108  | 141    |
| 25            | 22.1 | 6747                 | 1208  | 121    | 6116 | 1253  | 129    | 5502  | 1250  | 137    | ---   | ---   | ---    |
| 30            | 26.1 | 7370                 | 1305  | 125    | 6709 | 1375  | 133    | 6077  | 1372  | 141    | ---   | ---   | ---    |

## 60 Hz Performance

Return Gas 40°F for 20°F and Below Evaporator and 65°F above 20°F Evaporator, Sub cooling 5°F

## Specifications/ Parts:

|                        |                  |
|------------------------|------------------|
| Unit Model             | AJ7455Y-AA3ADC   |
| Unit Bill of Material  | 29G742-59        |
| Refrigeration Range    | -10° F to 30° F  |
| Design Pressure Low    | 150              |
| Design Pressure High   | 450              |
| Nominal Volts-Hz-Ph    | 115/60/1         |
| Voltage Range          | 103 to 127       |
| Min. Circuit Ampacity  | 19.2             |
| Max. Fuse Size (amps)  | 30               |
| Compressor Model       | AJ7461Y-XA3A     |
| Comp. Bill of Material | AJ7YP1AF846P00-S |
| Compressor RLA/LRA     | 14.7/63          |
| Overload               | 571655           |
| Relay                  | 8200RVAM18       |
| Run Capacitor          | 85PR370E36       |
| Start Capacitor        | 85PS165C99       |
| Fan Motor              | 810-10097        |
| Fan Motor RLA          | .85              |
| Fan Blade              | 515-10003        |
| Fan Shroud/Guard Combo | 707-00005        |
| Condenser              | 506-10008        |
| Receiver Tank          | 510-10002        |
| Liquid Valve           | 56662            |
| Suction Valve          | 56661            |
| Power Cord             | 85106-22         |

|                          |                |
|--------------------------|----------------|
| Unit Model               | AJ7455Y-AA3ADC |
| Unit Bill of Material    | 29G742-99      |
| Low Pressure Control     | 84026-2        |
| Unit Drawing             | DGU1971-35     |
| Wiring Diagram           | 91266-02       |
| Replacement Kit: Relay   | K71-13         |
| Replacement Kit: O/L     | N/A            |
| Replacement Kit: St. Cap | K146-28        |
| Replacement Kit: Run Cap | K150-03        |

## Electrical Diagram

