



# Indoor Condensing Unit

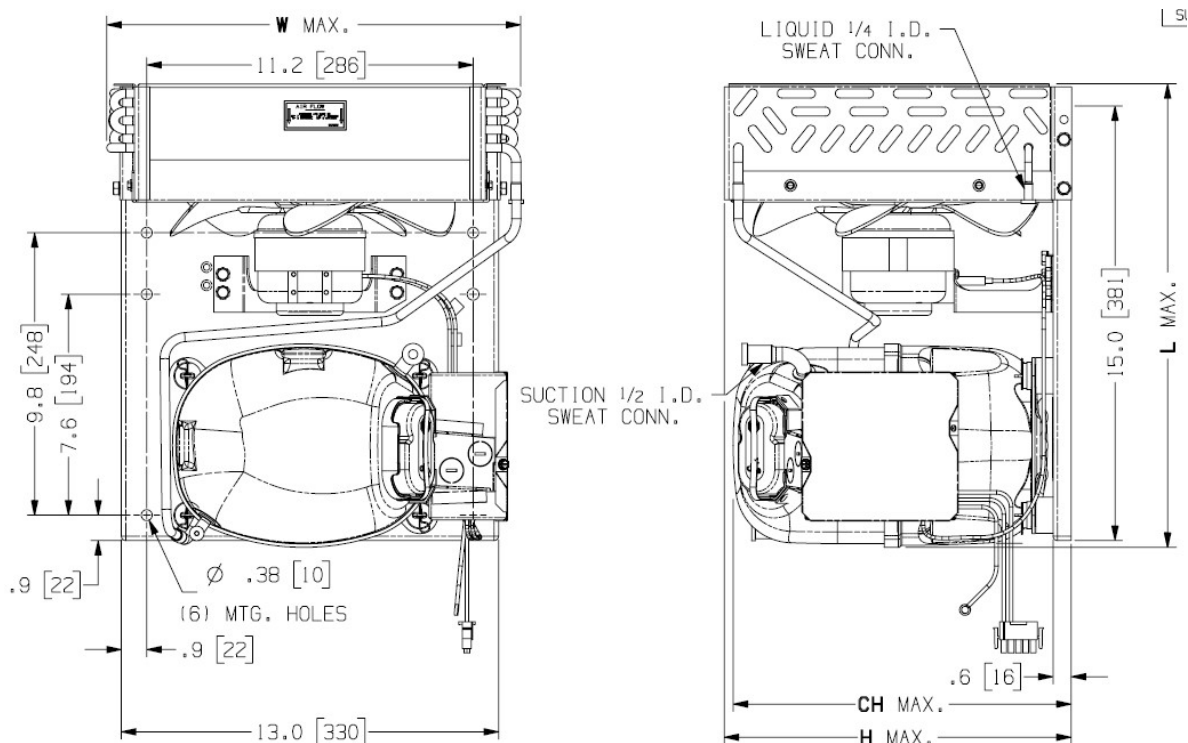
## Technical Data Sheet

Model: AJ4492Y-FZ1BXA

BoM: 29C703-2

R-134a / R-513A

3/4 HP



| Model          | Dimensions, inches |      |      |      | Line Connection* |        | Pumpdown  | Air  | Oil Ch | Gr. Wt. |
|----------------|--------------------|------|------|------|------------------|--------|-----------|------|--------|---------|
|                | L                  | W    | H    | CH   | Suction          | Liquid | 90 °F 90% | SCFM | Oz.    | Lbs.    |
| AJ4492Y-FZ1BXA | 16.0               | 14.3 | 12.0 | 11.7 | 1/2" S           | 1/4" S | N/A       | 280  | 16.06  | 87      |

\* 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, |      | R-134a Performance   |       |        |      |       |        |       |       |        |       |       |        |
|---------------|------|----------------------|-------|--------|------|-------|--------|-------|-------|--------|-------|-------|--------|
|               |      | Ambient Temperatures |       |        |      |       |        |       |       |        |       |       |        |
| °F            | PSIG | 80°F                 |       |        | 90°F |       |        | 100°F |       |        | 110°F |       |        |
|               |      | BTUH                 | Watts | Cond T | BTUH | Watts | Cond T | BTUH  | Watts | Cond T | BTUH  | Watts | Cond T |
| 20            | 18.4 | 5051                 | 841   | 102    | 4599 | 860   | 111    | 4147  | 878   | 120    | 3696  | 896   | 129    |
| 25            | 22.1 | 5691                 | 880   | 105    | 5191 | 904   | 114    | 4691  | 928   | 123    | 4191  | 952   | 132    |
| 30            | 26.1 | 6342                 | 924   | 108    | 5794 | 953   | 117    | 5245  | 983   | 126    | 4697  | 1012  | 135    |
| 35            | 30.4 | 7004                 | 972   | 112    | 6407 | 1007  | 120    | 5811  | 1042  | 129    | 5214  | 1077  | 138    |
| 40            | 35.1 | 7676                 | 1025  | 115    | 7032 | 1065  | 124    | 6387  | 1106  | 132    | 5742  | 1146  | 141    |
| 45            | 40.1 | 8360                 | 1082  | 118    | 7667 | 1128  | 127    | 6974  | 1174  | 135    | 6281  | 1220  | 144    |
| 50            | 45.5 | 9054                 | 1144  | 121    | 8313 | 1196  | 130    | 7571  | 1248  | 138    | 6830  | 1299  | 147    |
| 55            | 51.3 | 9759                 | 1211  | 125    | 8970 | 1268  | 133    | 8180  | 1325  | 141    | 7390  | 1382  | 150    |

### 50 Hz Performance

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

| Evaporator T, |      | R-513A Performance 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 |
| 20            | 22.4 | 5344                                    | 907   | 103    | 4871 | 927   | 112    | 4399  | 948   | 121    | 3926  | 968   | 130    |
| 25            | 26.4 | 5957                                    | 930   | 107    | 5434 | 955   | 115    | 4911  | 981   | 124    | 4388  | 1007  | 133    |
| 30            | 30.6 | 6580                                    | 963   | 110    | 6007 | 994   | 118    | 5433  | 1025  | 127    | 4860  | 1056  | 135    |
| 35            | 35.2 | 7212                                    | 1006  | 113    | 6588 | 1042  | 121    | 5964  | 1079  | 130    | 5340  | 1115  | 138    |
| 40            | 40.1 | 7853                                    | 1059  | 116    | 7178 | 1101  | 124    | 6503  | 1142  | 133    | 5829  | 1184  | 141    |
| 45            | 45.4 | 8502                                    | 1122  | 119    | 7777 | 1169  | 127    | 7052  | 1216  | 135    | 6326  | 1263  | 144    |
| 50            | 51.1 | 9161                                    | 1195  | 122    | 8385 | 1247  | 130    | 7609  | 1300  | 138    | 6833  | 1352  | 146    |
| 55            | 57.1 | 9828                                    | 1278  | 125    | 9002 | 1336  | 133    | 8175  | 1393  | 141    | 7349  | 1451  | 149    |

### 50 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             | AJ4492Y-FZ1BXA   |
| Unit Bill of Material  | 29C703-2         |
| Refrigeration Range    | 20 F to 55° F    |
| Design Pressure Low    | 150              |
| Design Pressure High   | 450              |
| Nominal Volts-Hz-Ph    | 220-240/50/1     |
| Voltage Range          | 198 to 253       |
| Min. Circuit Ampacity  | 7.7              |
| Max. Fuse Size (amps)  | 15               |
| Compressor Model       | AJ4492N-FZ1B     |
| Comp. Bill of Material | AJ4NL1JF643P00-M |
| Compressor RLA/LRA     | 5.7/28           |
| Overload               | 8300MSTS27       |
| Relay                  | 820-10178        |
| Run Capacitor          | N/A              |
| Start Capacitor        | 85PS330E25       |

|                          |            |
|--------------------------|------------|
| Fan Motor                | 810M035C01 |
| Fan Motor RLA            | 0.54       |
| Fan Blade                | 51569      |
| Fan Shroud               | 71094-1    |
| Fan Guard                | N/A        |
| Condenser                | 50872-1    |
| Receiver Tank            | N/A        |
| Liquid Valve             | N/A        |
| Suction Valve            | N/A        |
| Nylon Plug               | 91061      |
| HP Switch                | N/A        |
| Unit Drawing             | DGU1758-86 |
| Wiring Diagram           | 91363      |
| Replacement Kit: Relay   | N/A        |
| Replacement Kit: O/L     | N/A        |
| Replacement Kit: St. Cap | N/A        |
| Replacement Kit: Run Cap | N/A        |

## Electrical Diagram

