

# YAV0411E-2X9

HFO, R-454B, 4500 RPM, 1 - Phase, 220/240 V

### Capacity Rating Speed

**Production Status:** Available for sale to all U.S. customers. Please check with your local Copeland Representative for international availability.

### Summary

| Performance                |            |         |
|----------------------------|------------|---------|
| Evaporator Temp. (°F)      | 50.00      | 50      |
| Condensing Temp. (°F)      | 115.00     | 115     |
| Return Gas Temp. (°F)      | 70.00      | 70      |
| Liquid Temp. (°F)          | 100.00     | 100     |
| Capacity (BTU/hr)          | 66200      | 66200   |
| Power (W):                 | 4140       | 4140    |
| Current (Amps):            | 18.1       | 18.1    |
| EER(BTU/Wh):               | 16         | 16      |
| Mass Flow (lbs/hr):        | 722        | 722     |
| Sound Data @ 50 / 115      |            |         |
| Sound Power (dBA):         | 74 Avg     | 79 Max  |
| Vibration mils(peak-peak): | 3.0 Avg    | 5.0 Max |
| Record Date:               | 2026-06-23 |         |
| Mechanical                 |            |         |
| Displacement (in^3/Rev):   | 2.52       |         |
| Displacement (ft^3/Hr):    |            |         |
| Overall Length (in):       | 9.00       |         |
| Overall Width (in):        | 9.00       |         |
| Overall Height (in):       | 15.49      |         |
| Mounting Length (in):      | 7.50       |         |
| Mounting Width (in):       | 7.50       |         |
| Mounting Height (in):      | 16.20      |         |

|                           |            |
|---------------------------|------------|
| Suction Size (in),Type:   | 3 / 4 Stub |
| Discharge Size (in),Type: | 1 / 2 Stub |
| Initial Oil Charge (oz):  | 40         |
| Oil Recharge (oz):        | 36         |
| Oil Type:                 | 3MA        |
| Net Weight (lbs):         | 44.3       |

Internal Free Volume (in^3):

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

|                                                             |                 |
|-------------------------------------------------------------|-----------------|
| LRA High* (Amps):                                           |                 |
| LRA Low*(Amps):                                             |                 |
| LRA Half Winding (Amps):                                    |                 |
| MCC (Amps):                                                 |                 |
| Max Operating Current (Amps):                               |                 |
| RLA, MCC/1.4(use for contactor selection)(Amps):            | 1.0             |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): |                 |
| RPM:                                                        | 4500            |
| Box IP :                                                    | 21              |
| UL File No:                                                 | SA2337-20140321 |
| UL File Date:                                               | 2014-03-21      |

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors

| Type                       | Part No | Low MFD | High MFD | Volts | User Description |
|----------------------------|---------|---------|----------|-------|------------------|
| No data available in table |         |         |          |       |                  |

Alternate Applications

| Refrigerant | Voltage | Phase | RPM  | Application                |
|-------------|---------|-------|------|----------------------------|
| R-454B HFO  | 220/240 | 1     | 1200 | Min Speed                  |
| R-454B HFO  | 220/240 | 1     | 2280 | Intermediate Speed Cooling |

Nomenclature

YAV0411E-2X9

Family Series

Y: Scroll A2L/A3

Application Range/Envelope

A: AC (High Pressure) R454B/R452B

Modulation

V: Variable Speed

Nominal Capacity at Rating Condition

041: Capacity

Motor Type

2: Motor Type 2

Motor Protection

X: No Internal Protection

Voltage

9: Misc DC Voltage