

# KAMB-007E-CAV

HCFC, R-22, 60 Hz, 1 -Phase, 208/230 V

Low Temperature



**Production Status:** This model is obsolete and is no longer in production for both OEM and service replacement. Please contact Customer Service about possible replacement models.

## Performance

|                            |            |         |
|----------------------------|------------|---------|
| Evaporator Temp. (°F)      | -25        | -40     |
| Condensing Temp. (°F)      | 105        | 105     |
| Return Gas Temp. (°F)      | 65         | 65      |
| Liquid Temp. (°F)          | 105        | 105     |
| Capacity (Btu/hr)          | 2650       | 1500    |
| Power (W):                 | 669        | 529     |
| Current (Amps):            | 3.70       | 3.20    |
| EER (Btu/Wh):              | 4.00       | 2.80    |
| Mass Flow (lbs/hr):        | 36         | 20      |
| <u>Sound Data @</u>        |            |         |
| Sound Power (dBA):         |            |         |
| Vibration mils(peak-peak): |            | 4.8 Max |
| Record Date:               | 2007-01-04 |         |

## Mechanical

|                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------|
| Displacement(in <sup>3</sup> /Rev):                                                 | 2.79      |
| Displacement(ft <sup>3</sup> /hr):                                                  | 169.26    |
| Overall Length (in):                                                                | 14.38     |
| Overall Width (in):                                                                 | 9.50      |
| Overall Height (in):                                                                | 10.44     |
| Mounting Length (in):                                                               | 8.19      |
| Mounting Width (in):                                                                | 6.38      |
| Mounting Height (in):                                                               | 11.19 *   |
| Suction Size (in),Type:                                                             | 5/8 Flare |
| Discharge Size (in),Type:                                                           | 3/8 Flare |
| Initial Oil Charge (oz):                                                            | 22        |
| Oil Recharge (oz):                                                                  | 20        |
| Net Weight (lbs):                                                                   | 87.0      |
| Internal Free Volume (in <sup>3</sup> ):                                            |           |
| Horse Power:                                                                        |           |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |           |

## Electrical

|                                                                                                 |            |
|-------------------------------------------------------------------------------------------------|------------|
| LRA-High*(Amp):                                                                                 | 36.0       |
| LRA Low* (Amp):                                                                                 |            |
| LRA-Half Winding (Amp):                                                                         |            |
| MCC (Amps):                                                                                     | 7.9        |
| Max Operating Current(Amp):                                                                     |            |
| RLA, MCC/1.4;use for contactor selection (Amp):                                                 | 5.6        |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp):                                      | 5.1        |
| RPM:                                                                                            |            |
| UL File No:                                                                                     | SA-2337    |
| UL File Date:                                                                                   | 1984-07-23 |
| *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 |
|-----------------|-------------|---------|----------|-------|------------------|
| Start Capacitor | 014-0061-04 | 145.0   | 175.0    | 220   |                  |
| Run Capacitor   | 014-0064-00 | 10.0    | 0.0      | 370   |                  |

## Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application        |
|-------------|---------|-------|-----------|--------------------|
| R-134a HFC  | 200/220 | 1     | 50        | UL High Temp       |
| R-134a HFC  | 200/220 | 1     | 50        | UL Medium Temp     |
| R-404A HFC  | 208/230 | 1     | 60        | Low Temperature    |
| R-404A HFC  | 200/220 | 1     | 50        | Low Temperature    |
| R-22 HCFC   | 200/220 | 1     | 50        | Low Temperature    |
| R-12 CFC    | 208/230 | 1     | 60        | Medium Temperature |
| R-12 CFC    | 208/230 | 1     | 60        | UL High Temp       |
| R-12 CFC    | 200/220 | 1     | 50        | High Temp          |

## Alternate Applications

| <u>Refrigerant</u> | <u>Voltage</u> | <u>Phase</u> | <u>Freq (Hz)</u> | <u>Application</u> |
|--------------------|----------------|--------------|------------------|--------------------|
| R-12 CFC           | 200/220        | 1            | 50               | Medium Temperature |
| R-502 CFC          | 208/230        | 1            | 60               | Low Temperature    |
| R-502 CFC          | 200/220        | 1            | 50               | Low Temperature    |
| R-448A HFO         | 200/220        | 1            | 50               | Low Temperature    |
| R-448A HFO         | 208/230        | 1            | 60               | Low Temperature    |
| R-449A HFO         | 200/220        | 1            | 50               | Low Temperature    |
| R-449A HFO         | 208/230        | 1            | 60               | Low Temperature    |