

# ARE25C3E-SAA

HFC, R-134a, 60 Hz, 1 -Phase, 115 V  
High Temp



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

## Performance

|                            |            |         |
|----------------------------|------------|---------|
| Evaporator Temp. (°F)      | 45         | 20      |
| Condensing Temp. (°F)      | 130        | 120     |
| Return Gas Temp. (°F)      | 65         | 65      |
| Liquid Temp. (°F)          | 130        | 120     |
| Capacity (Btu/hr)          | 2460       | 1450    |
| Power (W):                 | 375        | 265     |
| Current (Amps):            | 4.20       | 3.30    |
| EER (Btu/Wh):              | 6.60       | 5.40    |
| Mass Flow (lbs/hr):        | 43         | 23      |
| <u>Sound Data @</u>        |            |         |
| Sound Power (dBA):         | 0 Avg      | 0 Max   |
| Vibration mils(peak-peak): | 0.0 Avg    | 0.0 Max |
| Record Date:               | 2002-07-31 |         |

## Mechanical

|   |           |
|---|-----------|
| Displacment(in <sup>3</sup> /Rev):  | 0.49      |
| Displacment(ft <sup>3</sup> /hr):   | 59.40     |
| Overall Length (in):  | 10.50     |
| Overall Width (in):   | 6.40      |
| Overall Height (in):  | 7.40      |
| Mounting Length (in):   | 6.50      |
| Mounting Width (in):  | 4.00      |
| Mounting Height (in):   | 7.80 *    |
| Suction Size (in),Type:   | 5/16 Stub |
| Discharge Size (in),Type:   | 1/4 Stub  |
| Initial Oil Charge (oz):  | 12        |
| Oil Recharge (oz):  | 10        |
| Net Weight (lbs):   | 25.0      |
| Internal Free Volume (in <sup>3</sup> ):  |           |
| Horse Power:  |           |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |           |

## Electrical

|   |            |
|---|------------|
| LRA-High*(Amp):   | 25.0       |
| LRA Low* (Amp):   |            |
| LRA-Half Winding (Amp):   |            |
| MCC (Amps):   | 6.26       |
| Max Operating Current(Amp):   |            |
| RLA, MCC/1.4;use for contactor selection (Amp):   | 4.5        |
| RLA, MCC/1.56;use for breaker & wire size selection (Amp):                                      | 4.0        |
| RPM:  |            |
| UL File No:   | SA-2337    |
| UL File Date:   | 1999-03-03 |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |            |

## Capacitors

## Alternate Applications

| Refrigerant | Voltage | Phase | Freq (Hz) | Application |
|-------------|---------|-------|-----------|-------------|
|-------------|---------|-------|-----------|-------------|