

ARE25C5E-IAA

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

Evap(°F)/Cond(°F)	45 / 130	20 / 120
RG(°F)/Liq(°F)	65.0 / 130.0	65.0 / 120.0
Capacity (Btu/hr)	2910	1740
Power (W):	353	259
Current (Amps):	3.85	3.15
EER (Btu/Wh):	8.25	6.70
Mass Flow (lbs/hr):	46	26
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-	0.0 Avg	0.0 Max
Record Date:	2016-10-31	

Mechanical

Number of Cylinders:	1	Displacment(in ³ /Rev):	0.44
Bore Size(in):	1.04	Displacment(ft ³ /hr):	53.99
Stroke(in):	0.52		
Overall Length (in):	10.50	Mounting Length (in):	6.50
Overall Width (in):	6.40	Mounting Width (in):	4.00
Overall Height (in):	7.40	Mounting Height (in):	7.78 *
Suction Size (in),Type:	5/16 Stub		
Discharge Size (in),Type:	1/4 Stub		
Oil Recharge (oz):	10		
Initial Oil Charge (oz):	12		
Net Weight (lbs):	22		
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*(Amp):	25	MCC (Amps):	6.0	UL File No:	SA-2337
LRA-Half Winding		RPM:		UL File Date:	03-Mar-1999
LRA Low* (Amp):		Max Operating Current			
RLA, MCC/1.4;use for contactor selection (Amp):		4.3			
RLA, MCC/1.56;use for breaker & wire size selection		3.8			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
<u>Type</u>	<u>Part No</u>	<u>Low MFD</u>	<u>High MFD</u>	<u>Volts</u>	<u>User Description</u>
Start Capacitor	014-0053-35	189.0	227.0	165	

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-450A HFO	60	1	115	High Temp
R-513A HFO	60	1	115	High Temp