

# ARE51C4E-IAV

HFC, R-134a, 60Hz, 1- Phase, 208/230 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)	4940	2990
Power (Watts):	899	656
Current (Amps):	5.90	5.25
EER (Btu/Wh):	5.50	4.55
Mass Flow (lbs/hr):	86	48
Sound Power (dBA):	61 Avg	64 Max
Vibration (mils(peak-peak)):		
Record Date:	2011-06-08	

## Mechanical

Number of Cylinders:	1	Displ(in <sup>3</sup> /Rev):	1.23
Bore Size(in):	1.35	Displ(ft <sup>3</sup> /hr):	149.75
Stroke(in):	0.87		
Overall Length (in):	10.50	Mounting Length (in):	6.50
Overall Width (in):	6.40	Mounting Width (in):	4.00
Overall Height (in):	8.12	Mounting Height (in):	8.62 *
Suction Size (in):	5/16 Stub		
Discharge Size (in):	1/4 Stub		
Oil Recharge (oz):	10		
Initial Oil Charge (oz):	12		
Net Weight (lbs):	25.6		
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	30.0	MCC (Amps):	6.9	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	12-Oct-1971
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):			4.9		
RLA(=MCC/1.56;use for breaker & wire size selection):			4.4		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0053-29	64.0	77.0	330	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
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