

ART51C1E-IAV

HFC, R-134a, 60Hz, 1- Phase, 208/230 V
High Temp



Production Status: This model is obsolete and is no longer in production for both OEM and service replacement.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

Evap(°F)/Cond(°F)	45 / 130	20 / 120
RG(°F)/Liq(°F)	65.0 / 130.0	65.0 / 120.0
Capacity (Btu/hr)	4880	2850
Power (Watts):	825	600
Current (Amps):	4.50	3.40
EER (Btu/Wh):	5.90	4.70
Mass Flow (lbs/hr):	85	45
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2014-09-12	

Mechanical

Number of Cylinders:	1	Displ(in ³ /Rev):	1.06
Bore Size(in):	1.34	Displ(ft ³ /hr):	128.96
Stroke(in):	0.75		
Overall Length (in):	11.44	Mounting Length (in):	8.00
Overall Width (in):	6.63	Mounting Width (in):	4.80
Overall Height (in):	8.69	Mounting Height (in):	9.31 *
Suction Size (in):	3/8 Stub		
Discharge Size (in):	1/4 Stub		
Oil Recharge (oz):	17		
Initial Oil Charge (oz):	19		
Net Weight (lbs):	40		
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	30.0	MCC (Amps):	7.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	05-Feb-2009
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):			5		
RLA(=MCC/1.56;use for breaker & wire size selection):			4.5		
*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	014-0061-13	64.0	77.0	330	

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
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