

AFE12C4E-IAA

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

Extended Medium Temp, A-Line



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)	-10 / 120	20 / 120
RG(°F)/Liq(°F)	40 / 120	40 / 120
Capacity (Btu/hr)	1325	3100
Power (Watts):	413	666
Current (Amps):	5.95	7.60
EER (Btu/Wh):	3.20	4.65
Mass Flow (lbs/hr):	23	54
Sound Power (dBA):	49 Avg	52 Max
Vibration (mils(peak-		
Record Date:	2010-10-06	

Mechanical

Number of Cylinders:	1	Displ(in ³ /Rev):	1.03
Bore Size(in):	1.23	Displ(ft ³ /hr):	124.64
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):	30		
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	40.0	MCC (Amps):	9.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	0	UL File Date:	03-Dec-1974
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		6.4			
RLA(=MCC/1.56;use for breaker & wire size		5.8			
*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	014-0053-25	189.0	227.0	250	

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	005-0947-01	1	COVER - TERMINAL	
99	527-C001-02	1	SPACER-MOUNTING	
99	910-0477-00	1	VALVE KIT BOLT ON VALVE	CAN BE USED ON MODELS THAT HAVE
99	914-0053-09	1	CAP START KIT	
99	918-0054-00	1	HEATER-CRANKCASE KIT	
99	918-0054-01	1	HEATER-CRANKCASE KIT	
99	940-0163-17	1	RELAY-CURRENT KIT	
99	971-0561-47	1	PROTECTOR KIT	

Common U.S. OEM Bill Of Materials

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
202		5/16"	Stub	1/4"		-	-	-	-	-	-
201		5/16"	Stub	1/4"		Yes	-	-	-	-	-

Common U.S. Service Bill Of Materials

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
901		5/16"	Stub	1/4"		Yes	-	-	-	-	-
959		3/8"	Stub	1/4"		Yes	-	-	-	-	-

*** Note: For all other Bill Of Material descriptions (Including International and Customer Specific Bills of Materials) contact your sales representative or the Application Engineering Department.**