

CF09K6E-TF5

HFC, R-404A, 60Hz, 3- Phase, 200/230 V

Low Temperature



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	-25 / 105
RG(°F)/Liq(°F)	40 / 120	40 / 105
Capacity (Btu/hr)	9620	7240
Power (Watts):	2370	1760
Current (Amps):	7.60	6.40
EER (Btu/Wh):	4.10	4.10
Mass Flow (lbs/hr):	220	143
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak- Record Date:	0.0 Avg	0.0 Max
	2002-11-11	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	4.40
Bore Size(in):	1.96	Displ(ft ³ /hr):	534.59
Stroke(in):	0.73		
Overall Length (in):	10.23	Mounting Length (in):	7.50
Overall Width (in):	9.65	Mounting Width (in):	7.50
Overall Height (in):	13.81	Mounting Height (in):	14.19 *
Suction Size (in):		3/4 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		43	
Initial Oil Charge (oz):		45	
Net Weight (lbs):		67	
Internal Free Volume (in ³):		470.0	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	72.2	MCC (Amps):	14.3	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	26-Apr-2000
LRA Low*:		Max Operating Current:	11.4		
RLA(=MCC/1.4;use for contactor selection):		10.2			
RLA(=MCC/1.56;use for breaker & wire size		9.2			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-507 HFC	50	3	200/220	
R-507 HFC	60	3	200/230	
R-404A HFC	50	3	200/220	Low Temperature

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
6	032-0463-00	1	RETAINER-HEATER	
1	527-0044-08	1	SPACER-MOUNTING ASSM	
99	918-0088-00	1	HEATER-CRANKCASE KIT	40/49W 240/265V FLEXIBLE
11	998-0034-01	1	ADAPTR 3/4 ID TO 1 1/4-12	REQUIRED WHEN ADDING SUCTION VALVE
99	998-0510-90	1	SERV VALVE KIT 7/8 SWT	USE 998-0034-01 WHEN ADDING SUCTION

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Accessories

<u>PartNumber</u>	<u>Description</u>
018-0088-00	Crankcase Heater, 240/265V, 40W, EHP Flexible
018-0088-01	Crankcase Heater, 480/575V, 45/57W, EHP Flexible
018-0088-06	Crankcase Heater, 120V, 40W, EHP Flexible
018-0099-00	Crankcase Heater, 240V, 60W, SS Rigid w/conduit box
018-0099-01	Crankcase Heater, 480V, 60W, SS Rigid w/conduit box

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
230	Stub	3/4"		1/2"		-	-	-	-	-	-
23S	Rotalock	1 1/4"		1/2"		-	-	-	-	-	-
245	Stub	3/4"		1/2"		-	-	-	-	-	-
247	Stub	3/4"		1/2"		-	-	-	-	-	-
24S	Rotalock	1 1/4"		1/2"		Yes	-	-	-	-	-
253	Rotalock	1 1/4"		1/2"		-	-	Yes	-	-	-
25S	Rotalock	1 1/4"		1/2"		-	-	Yes	-	-	-
270	Stub	3/4"		1/2"		-	-	Yes	-	-	-
271	Stub	3/4"		1/2"		-	-	Yes	-	-	-
272	Stub	7/8"		1/2"		-	-	Yes	-	-	-
274	Stub	3/4"		1/2"		-	-	Yes	-	-	-
295	Rotalock	1 1/4"		1/2"		-	-	-	-	-	-

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
945	Stub	3/4"		1/2"		-	-	-	-	-	-
970	Stub	3/4"		1/2"		Yes	-	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.