

CF06K6E-PFV

HFC, R-404A, 60Hz, 1- Phase, 208/230 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

<u>Evap(°F)/Cond(°F)</u>	<u>-10 / 120</u>	<u>-25 / 105</u>
<u>RG(°F)/Liq(°F)</u>	<u>40 / 120</u>	<u>40 / 105</u>
Capacity (Btu/hr)	6690	4810
Power (Watts):	1740	1290
Current (Amps):	8.00	6.10
EER (Btu/Wh):	3.80	3.70
Mass Flow (lbs/hr):	153	96
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak- Record Date:	0.0 Avg 2002-11-11	0.0 Max

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	3.03
Bore Size(in):	1.66	Displ(ft ³ /hr):	368.01
Stroke(in):	0.70		
Overall Length (in):	10.23	Mounting Length (in):	7.50
Overall Width (in):	9.65	Mounting Width (in):	7.50
Overall Height (in):	13.31	Mounting Height (in):	13.69 *
Suction Size (in):		3/4 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		43	
Initial Oil Charge (oz):		45	
Net Weight (lbs):		66	
Internal Free Volume (in ³):		450.0	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	59.2	MCC (Amps):	16.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	26-Apr-2000
LRA Low*:		Max Operating Current:	12.8		
RLA(=MCC/1.4;use for contactor selection):		11.4			
RLA(=MCC/1.56;use for breaker & wire size		10.3			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-404A HFC	50	1	200	Low Temperature
R-507 HFC	50	1	200	UL Low Temp
R-507 HFC	60	1	208/230	UL Low Temp

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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	
99	514-2000-45	1	CAP AND RELAY ASSM	
1	527-0044-08	1	SPACER-MOUNTING ASSM	
2	914-0008-51	1	CAP START KIT	
3	914-0037-10	1	RUN CAP KIT W/CLAMP	
99	918-0088-00	1	HEATER-CRANKCASE KIT	40/49W 240/265V FLEXIBLE
4	940-0001-55	1	RELAY-POTENTIAL KIT	
11	998-0034-01	1	ADAPTR 3/4 ID TO 11/4-12	REQUIRED WHEN ADDING SUCTION VALVE
99	998-0510-90	1	SERV VALVE KIT 7/8 SWT	USE 998-0034-01 WHEN ADDING SUCTION
7	998-0514-52	1	CAP & RELAY ASSM	

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

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"		3/8"		Yes	-	Yes	-	-	-
979	Stub	3/4"		3/8"		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.