

CS27K6E-PFV

HCFC, R-22, 60Hz, 1- Phase, 208/230 V
UL 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)	<u>45 / 130</u>	<u>0 / 105</u>
RG(°F)/Liq(°F)	<u>65 / 120</u>	<u>65 / 110</u>
Capacity (Btu/hr)	51200	18200
Power (Watts):	5540	2880
Current (Amps):	25.30	14.95
EER (Btu/Wh):	9.25	6.30
Mass Flow (lbs/hr):	866	260
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-)	0.0 Avg	0.0 Max
Record Date:	2011-08-01	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	5.59
Bore Size(in):	1.96	Displ(ft ³ /hr):	679.79
Stroke(in):	0.93		
Overall Length (in):	10.23	Mounting Length (in):	7.50
Overall Width (in):	9.65	Mounting Width (in):	7.50
Overall Height (in):	14.81	Mounting Height (in):	15.19 *
Suction Size (in):		5/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		43	
Initial Oil Charge (oz):		45	
Net Weight (lbs):		76	
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	121.0	MCC (Amps):	33.5	UL File No:	
LRA-Half Winding:		RPM:	0	UL File Date:	28-Dec-1984
LRA Low*:		Max Operating Current:	29.6		
RLA(=MCC/1.4;use for contactor selection):			23.9		
RLA(=MCC/1.56;use for breaker & wire size)			21.5		
*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-404A HFC	50	1	200	
R-507 HFC	50	1	200	
R-507 HFC	60	1	208/230	
R-404A HFC	50	1	200	UL Medium Temp
R-22 HCFC	50	1	200	UL High Temp
R-134a HFC	50	1	200	High Temp
R-404A HFC	60	1	208/230	Extended Medium Temp
R-134a HFC	60	1	208/230	High 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	
1	527-0044-00	1	SPACER-MOUNTING ASSM	
2	914-0006-03	1	CAP START KIT	
3	914-0037-18	1	RUN CAP KIT W/CLAMP	
99	918-0088-00	1	HEATER-CRANKCASE KIT	40/49W 240/265V FLEXIBLE
4	940-0001-64	1	RELAY-POTENTIAL KIT	

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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
085-0160-00	3 Phase Voltage Monitor. For use with all Copeland 3 Phase Compressors. Consult model family nomenclature for electrical definition in the model number.
527-0044-00	Spacer Mounting Assembly C113/16-PFZ ONLY, ALL CR47/53KQ, 60 Hz
998-AB52-01	Akylbenzene Oil. Approved for use with specific Copeland Semi Hermetic After Market Compressors. Consult model family nomenclatures for oil identifier in the model number.
998-E022-01	Polyol Ester Oil. Approved for use with specific Copeland Hermetic & Semi Hermetic models. Consult specific model family nomenclatures for oil identifier in the model number.

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"		-	-	-	-	-	-
236		3/4"		1/2"		-	-	-	-	-	-
238		5/8"		1/2"		-	-	-	-	-	-
24S	Rotalock	1 1/4"		1/2"		Yes	-	-	-	-	-
255		5/8"		1/2"		-	-	-	-	-	-
256		5/8"		1/2"		-	-	-	-	-	-
270	Stub	3/4"		1/2"		-	-	Yes	-	-	-
274	Stub	3/4"		1/2"		-	-	Yes	-	-	-
276		3/4"		1/2"		-	-	Yes	-	-	-
278		3/4"		1/2"		-	-	Yes	-	-	-
286	Stub	7/8"		1/2"		-	-	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
945	Stub	3/4"		1/2"		-	-	-	-	-	-
970	Stub	3/4"		1/2"		Yes	-	Yes	-	-	-
979	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.