

ZF09K4E-PFV

HFC, R-507, 60Hz, 1- Phase, 208/230 V
Medium Temp, Liquid Injected



Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evap(°F)/Cond(°F)	20 / 120	0 / 110
RG(°F)/Liq(°F)	65.0 / 120.0	65.0 / 110.0
Capacity (Btu/hr)	21900	16100
Power (Watts):	3150	2590
Current (Amps):	14.50	12.60
EER (Btu/Wh):	6.90	6.20
Mass Flow (lbs/hr):	477	315
Sound Power (dBA):	75 Avg	80 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2005-06-28	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	2.82
Bore Size(in):	0.00	Displ(ft ³ /hr):	342.71
Stroke(in):	0.00		
Overall Length (in):	9.57	Mounting Length (in):	7.50
Overall Width (in):	9.52	Mounting Width (in):	7.50
Overall Height (in):	15.93	Mounting Height (in):	16.16 *
Suction Size (in):		3/4 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		46	
Initial Oil Charge (oz):		50	
Net Weight (lbs):		64	
Internal Free Volume (in ³):		224.0	
Horse Power:		3	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	88.0	MCC (Amps):	23.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	28-Feb-1995
LRA Low*:		Max Operating Current:	20.2		
RLA(=MCC/1.4;use for contactor selection):		16.4			
RLA(=MCC/1.56;use for breaker & wire size selection):		14.7			
*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	014-0061-27	88.0	106.0	330	OPTIONAL
Run Capacitor	014-0064-29	50.0	0.0	370	

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-407A HFC	50	1	200	
R-407C HFC	60	1	208/230	
R-407A HFC	60	1	208/230	
R-407C HFC	50	1	200	UL Low Temp
R-407A HFC	50	1	200	UL Low Temp
R-407C HFC	60	1	208/230	Low Temp, Liquid Injected
R-407C HFC	60	1	208/230	UL Low Temp
R-407A HFC	60	1	208/230	Low Temp, Liquid Injected
R-404A HFC	50	1	200	Low Temp, Liquid Injected

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-507 HFC	50	1	200	Low Temp, Liquid Injected
R-404A HFC	60	1	208/230	Low Temp, Liquid Injected
R-507 HFC	60	1	208/230	Low Temp, Liquid Injected
R-407C HFC	50	1	200	UL Medium Temp
R-404A HFC	50	1	200	Medium Temp, Liquid Injected
R-507 HFC	50	1	200	Medium Temp, Liquid Injected
R-404A HFC	60	1	208/230	Medium Temp, Liquid Injected