

# ZF08K4E-PFV

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

Low Temp, Liquid Injected

**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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	8470	5780
Power (W):	2170	2090
Current (Amps):	10.20	9.90
EER (Btu/Wh):	3.90	2.80
Mass Flow (lbs/hr):	151	102
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-	2.0 Avg	3.0 Max
Record Date:	2004-04-07	

## Mechanical

Number of Cylinders:	0	Displacement(in <sup>3</sup> /Rev):	2.56
Bore Size(in):	0.00	Displacement(ft <sup>3</sup> /hr):	311.48
Stroke(in):	0.00		
Overall Length (in):	9.50	Mounting Length (in):	7.50
Overall Width (in):	9.50	Mounting Width (in):	7.50
Overall Height (in):	15.93	Mounting Height (in):	16.16 *
Suction Size (in),Type:	3/4 Stub		
Discharge Size (in),Type:	1/2 Stub		
Oil Recharge (oz):	46		
Initial Oil Charge (oz):	50		
Net Weight (lbs):	62		
Internal Free Volume (in <sup>3</sup> ):	243.0		
Horse Power:	2.5		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*(Amp):	73.0	MCC (Amps):	23.0	UL File No:	SA-2337
LRA-Half Winding		RPM:	3500	UL File Date:	28-Feb-1995
LRA Low* (Amp):		Max Operating Current	21.2		
RLA, MCC/1.4;use for contactor selection (Amp):	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.					
<u>Type</u>	<u>Part No</u>	<u>Low MFD</u>	<u>High MFD</u>	<u>Volts</u>	<u>User Description</u>
Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL
Run Capacitor	014-0064-25	45.0	0.0	370	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-134a HFC	50	1	200	Medium Temp, Liquid Injected
R-134a HFC	50	1	200	Low Temp, Liquid Injected
R-134a HFC	60	1	208/230	Medium Temp, Liquid Injected
R-134a HFC	60	1	208/230	Low Temp, Liquid Injected
R-404A HFC	50	1	200	Medium Temp, Liquid Injected
R-404A HFC	50	1	200	Low Temp, Liquid Injected
R-404A HFC	60	1	208/230	Medium Temp, Liquid Injected
R-507 HFC	50	1	200	Medium Temp, Liquid Injected
R-507 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	60	1	208/230	Medium Temp, Liquid Injected
R-507 HFC	60	1	208/230	Low Temp, Liquid Injected
R-448A HFO	60	1	208/230	Medium Temp, Liquid Injected
R-448A HFO	50	1	200	Medium Temp, Liquid Injected
R-448A HFO	60	1	208/230	Low Temp, Liquid Injected
R-449A HFO	50	1	200	Low Temp, Liquid Injected
R-449A HFO	50	1	200	Medium Temp, Liquid Injected
R-449A HFO	60	1	208/230	Medium Temp, Liquid Injected
R-449A HFO	60	1	208/230	Low Temp, Liquid Injected