

# ZR42K5E-PFV

HFC, R-407C, 60Hz, 1- Phase, 208/230 V

Air Conditioning



**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)	45 / 130	50 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	70.0 / 85.0
Capacity (Btu/hr)	40800	54900
Power (Watts):	3800	2440
Current (Amps):	16.80	10.85
EER (Btu/Wh):	10.75	22.50
Mass Flow (lbs/hr):	594	676
Sound Power (dBA):	70 Avg	75 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2010-11-16	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	3.45
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	419.27
Stroke(in):	0.00		
Overall Length (in):	9.69	Mounting Length (in):	7.50
Overall Width (in):	9.69	Mounting Width (in):	7.50
Overall Height (in):	19.94	Mounting Height (in):	17.17 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		34	
Initial Oil Charge (oz):		42	
Net Weight (lbs):		68.3	
Internal Free Volume (in <sup>3</sup> ):		194.1	
Horse Power:		3.5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	104.0	MCC (Amps):	31.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	
LRA Low*:		Max Operating Current:	25.0		
RLA(=MCC/1.4;use for contactor selection):		22.1			
RLA(=MCC/1.56;use for breaker & wire size selection):		19.9			
*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	014-0064-28	55.0	0.0	370	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	60	1	208/230	