

# ZR57K3E-PFV

HFC, R-407C, 60 Hz, 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

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	55500	67000
Power (W):	5250	3500
Current (Amps):	24.50	17.10
EER (Btu/Wh):	10.55	19.20
Mass Flow (lbs/hr):	802	827
<u>Sound Data @</u>		
Sound Power (dBA):	74 Avg	79 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2014-08-07	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	4.71
Displacement(ft <sup>3</sup> /hr):	572.40
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	17.75
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	18.00 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	56
Oil Recharge (oz):	52
Net Weight (lbs):	90.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	4.75

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

LRA-High*(Amp):	148.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	45.0
Max Operating Current(Amp):	37.0
RLA, MCC/1.4;use for contactor selection (Amp):	32.1
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	28.8
RPM:	3500
UL File No:	
UL File Date:	1993-07-26

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0006-15	270.0	324.0	330	OPTIONAL
Run Capacitor	014-0041-01	80.0	0.0	370	SPECIAL CUSTOMER
Run Capacitor	014-0054-38	80.0	0.0	370	PLASTIC CASE ALT
Run Capacitor	014-0064-27	80.0	0.0	370	

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
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