

ZR42K5E-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

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 Data 45 /		
Sound Power (dBA):	70 Avg	75 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2015-10-13	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	3.45
Bore Size(in):	0.00	Displ(ft ³ /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 ³):		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)		19.9			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
Type	Part No	Low	High	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
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