ZR25K5E-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 Copeland Representative for international availability.

Summary

	Performance	
Evaporator Temp. (°F)	45.00	50
Condensing Temp. (°F)	130.00	100
Return Gas Temp. (°F)	65.00	70
Liquid Temp. (°F)	115.00	85
Capacity (BTU/hr)	24300	32800
Power (W):	2360	1535
Current (Amps):	10.4	6.7
EER(BTU/Wh):	10.3	21.35
Mass Flow (lbs/hr):	354	404
Sound Data @		
Sound Power (dBA):	68 Avg	73 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2010-11-16	

Mechanical	
Displacement (in^3/Rev):	2.08
Displacement (ft^3/Hr):	
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	15.25
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.00

Suction Size (in),Type:	3 / 4 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	25
Oil Recharge (oz):	19
Oil Type:	3MA
Net Weight (lbs):	50.1
Internal Free Volume (in^3):	118.0

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

Electrical

LRA High* (Amps):	68
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	21
Max Operating Current (Amps):	14.00
RLA, MCC/1.4(use for contactor selection)(Amps):	15.0
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	13.5
RPM:	3500
Box IP :	21
UL File No:	SA2337-20031216
UL File Date:	2003-12-16

*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
Run Capacitor	014-0064-08	40.0	0.0	370	
Start Capacitor	014-0061-27	88.0	106.0	330	

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
No data available in table				

Nomenclature

ZR25K5E-PFV

Family Series

Z: Scroll

Application Range

R: A/C - R-22/407C/134a

Capacity

25K: Capacity Multiplier-1000

Oil Type

E: Polyol Ester

Motor Type

P: 1 Phase/Capacitor Run, Permanent Split Capacitor

Motor Protection

F: Internal Inherent Protection

Voltage

V: 60Hz (208/230-1) 50Hz (-)