

ZR25K5E-PFJ

HCFC, R-22, 60 Hz, 1 - Phase, 265 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.

Summary

Performance		
Evaporator Temp. (°F)	45	50
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	70
Liquid Temp. (°F)	115	85
Capacity (BTU/hr)	25300	32800
Power (W):	2320	1595
Current (Amps):	8.75	6.05
EER(BTU/Wh):	10.9	20.6
Mass Flow (lbs/hr):	371	420
Sound Data @ 45 / 130		
Sound Power (dBA):	68 Avg	73 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2015-10-12	
Mechanical		
Displacement (in^3/Rev):	2.08	
Displacement (ft^3/Hr):		
Overall Length (in):	9.50	
Overall Width (in):	9.50	
Overall Height (in):	15.86	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	

Mounting Height (in):	16.08
Suction Size (in),Type:	3 / 4 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	25
Oil Recharge (oz):	19
Net Weight (lbs):	49.0
Internal Free Volume (in^3):	122.8

Horse Power:

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

Electrical

LRA High* (Amps):	63.0
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	17
Max Operating Current (Amps):	14.0
RLA, MCC/1.4(use for contactor selection)(Amps):	12.1
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	10.9
RPM:	3500
Box IP :	21
UL File No:	SA-2337

UL File Date:

*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	014-0064-13	35.0	0.0	440	
Start Capacitor	014-0061-27	88.0	106.0	330	OPTIONAL

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-22 HCFC	220/240	1	50	Air Conditioning
R-407C HFC	265	1	60	Air Conditioning
R-407C HFC	220/240	1	50	Air Conditioning

Service Parts

Service Parts				
Reference	Component	Quantity	Description	Comment
1	918-0052-00	1	CRANKCASE HEATER KIT	240V 40W WRAP AROUND
1	918-0052-01	1	CRANKCASE HEATER KIT	120V 40W WRAP AROUND
2	527-0044-15	1	SPACER - MOUNTING ASSM	
6	940-0001-79	1	RELAY-POTENTIAL KIT	
13	914-0037-17	1	RUN CAP KIT W/CLAMP	
14	529-0060-24	1	POWER CABLE-MOLDED PLUG	

Accessories

Accessories		
Category	Part Number	Description
Crankcase Heaters	018-0094-00	Crankcase Heater, 240V, 40W
Crankcase Heaters	018-0094-01	Crankcase Heater, 120V, 40W
Crankcase Heaters	018-0094-03	Crankcase Heater, 480V, 40W, 21.25" Lead Length
Crankcase Heaters	018-0094-04	Crankcase Heater, 575V, 40W, 21.25" Lead Length
Crankcase Heaters	018-0094-00	Crankcase Heater, 240V, 40W
Crankcase Heaters	018-0094-01	Crankcase Heater, 120V, 40W
Crankcase Heaters	018-0094-04	Crankcase Heater, 575V, 40W, 21.25" Lead Length

Electrical Components

Electrical Components	
Part No: 071-0512-49	Stator
Usage Description: Internal Protector	Part No: 546-5016-13
<u>Vendor Part Number</u>	Usage Description: Stator
15HM2477	Resistance: +/-7%

<u>Vendor Name</u>	Start Wdg: 2.04
SENSATA	Run Wdg: 1.37
Potential	Start Capacitor
Part No: 040-0166-37	Part No: 014-0061-27
Usage Description: Potential Relay	Low MFD: 88.0
<u>Vendor Part Number</u>	Type:Start Capacitor
RVA2AE6D-946	High MFD: 106.0
<u>Vendor Name</u>	Usage Description: Start Capacitor
ELECTRICA	Volts: 330
Run Capacitor	
Part No: 014-0064-13	
Low MFD: 35.0	
Type:Run Capacitor	
High MFD: 0.0	
Usage Description: Run Capacitor	
Volts: 440	

Nomenclature

ZR25K5E-PFJ
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
J: 60Hz (265-1) 50Hz (220/240-1)

Miscellaneous

Alternate Application

Refrigerant	Freq	Phase	Voltage	Application
HCFC R-22	50	1 Ø	220/240 V	R1 AC
HFC R-407C	60	1 Ø	265 V	R1 AC
HFC R-407C	50	1 Ø	220/240 V	R1 AC
Nomenclature				
ZR25K5E-PFJ				
Date	Data Group	Field	Old Data	New Data
12-Oct-2015	Rating	PubCode		Y