ZP40K6E-PFV

HFC, R-410A, 60 Hz, 1 - Phase, 208/230 V

Air Conditioning

Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Copeland Wholesaler. 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)	40000	53700
Power (W):	3740	2470
Current (Amps):	17.4	11.6
EER(BTU/Wh):	10.7	21.8
Mass Flow (lbs/hr):	588	659
Sound Data @ 50 / 115		
Sound Power (dBA):	68 Avg	73 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2018-11-19	

Mechanical	
Displacement (in^3/Rev):	2.24
Displacement (ft^3/Hr):	
Overall Length (in):	9.30
Overall Width (in):	9.30
Overall Height (in):	16.50
Mounting Length (in):	7.50
Mounting Width (in):	7.50

Mounting Height (in):	17.20
Suction Size (in),Type:	7 / 8 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	36
Oil Type:	3MA
Net Weight (lbs):	71.2
Internal Free Volume (in^3):	192.7

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

Electrical

LRA High* (Amps):	124
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	28.9
Max Operating Current (Amps):	24.90
RLA, MCC/1.4(use for contactor selection)(Amps):	20.6
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	18.5
RPM:	3500
Box IP :	21
UL File No:	SA2337-20031217
UL File Date:	2014-03-21

*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	014-0064-25	45.0	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

ZP40K6E-PFV

Family Series

Z: Scroll

Application Range

P: A/C - R-410A/B

Capacity

40K: Capacity Multiplier-1000

Model Variation

6: Model Variation

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 (-)