

# ZP34K7E-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)	33900	46600
Power (W):	3180	2090
Current (Amps):	14	9.2
EER(BTU/Wh):	10.7	22.25
Mass Flow (lbs/hr):	496	570
Sound Data @ 50 / 115		
Sound Power (dBA):	68 Avg	73 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2023-05-19	
Mechanical		
Displacement (in <sup>3</sup> /Rev):	1.95	
Displacement (ft <sup>3</sup> /Hr):		
Overall Length (in):	9.27	
Overall Width (in):	9.27	
Overall Height (in):	16.49	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	

<b>Mounting Height (in):</b>	17.20
<b>Suction Size (in),Type:</b>	7 / 8 Stub
<b>Discharge Size (in),Type:</b>	1 / 2 Stub
<b>Initial Oil Charge (oz):</b>	42
<b>Oil Recharge (oz):</b>	36
<b>Oil Type:</b>	3MA
<b>Net Weight (lbs):</b>	76.6

**Internal Free Volume (in<sup>3</sup>):**

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

**Electrical**

<b>LRA High* (Amps):</b>	110.2
<b>LRA Low*(Amps):</b>	
<b>LRA Half Winding (Amps):</b>	
<b>MCC (Amps):</b>	27.6
<b>Max Operating Current (Amps):</b>	21
<b>RLA, MCC/1.4(use for contactor selection)(Amps):</b>	19.7
<b>RLA, MCC/1.56(use for breaker &amp; wire size selection)(Amps):</b>	17.7
<b>RPM:</b>	3500
<b>Box IP :</b>	21
<b>UL File No:</b>	SA2337- 20200323
<b>UL File Date:</b>	2020-03-23

\*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
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No data available in table

## Nomenclature

ZP34K7E-PFV

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### **Family Series**

**Z:** Scroll

### **Application Range**

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

### **Capacity**

**34K:** 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 (-)