

# ZP76KCE-TFD

HFC, R-410A, 60 Hz, 3 - Phase, 460 V , [Also Available with Variable Frequency Drives](#)

## 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	45
Condensing Temp. (°F)	130.00	100
Return Gas Temp. (°F)	65.00	65
Liquid Temp. (°F)	115.00	85
Capacity (BTU/hr)	77000	93700
Power (W):	7060	5020
Current (Amps):	11.1	9.1
EER(BTU/Wh):	10.9	18.7
Mass Flow (lbs/hr):	1135	1155
Sound Data @		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.5 Avg	3.5 Max
Record Date:	2010-07-29	
Mechanical		
Displacement (in <sup>3</sup> /Rev):	4.32	
Displacement (ft <sup>3</sup> /Hr):		
Overall Length (in):	9.70	
Overall Width (in):	9.80	
Overall Height (in):	17.40	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	18.20	

<b>Suction Size (in),Type:</b>	1 1 / 4 Rotalock
<b>Discharge Size (in),Type:</b>	1 Rotalock
<b>Initial Oil Charge (oz):</b>	57
<b>Oil Recharge (oz):</b>	56
<b>Oil Type:</b>	3MA
<b>Net Weight (lbs):</b>	87.0
<b>Internal Free Volume (in<sup>3</sup>):</b>	264.5

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

#### Electrical

<b>LRA High* (Amps):</b>	100
<b>LRA Low*(Amps):</b>	
<b>LRA Half Winding (Amps):</b>	
<b>MCC (Amps):</b>	20
<b>Max Operating Current (Amps):</b>	14.40
<b>RLA, MCC/1.4(use for contactor selection)(Amps):</b>	14.3
<b>RLA, MCC/1.56(use for breaker &amp; wire size selection)(Amps):</b>	12.8
<b>RPM:</b>	3500
<b>Box IP :</b>	21
<b>UL File No:</b>	SA2337- 19930726
<b>UL File Date:</b>	1993-07-26

\*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
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No data available in table

#### Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-410A HFC	380/420	3	50	Air Conditioning

## Nomenclature

ZP76KCE-TFD

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**Family Series**

**Z:** Scroll

**Application Range**

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

**Capacity**

**76K:** Capacity Multiplier-1000

**Model Variation**

**C:** Model Variation

**Oil Type**

**E:** Polyol Ester

**Motor Type**

**T:** 3 Phase

**Motor Protection**

**F:** Internal Inherent Protection

**Voltage**

**D:** 60Hz (460-3) 50Hz (380/420-3)