

# ZP42K6E-TFD

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

## 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)	42200	57700
Power (W):	4020	2650
Current (Amps):	5.6	3.9
EER(BTU/Wh):	10.5	21.8
Mass Flow (lbs/hr):	620	706
Sound Data @ 50 / 115		
Sound Power (dBA):	71 Avg	76 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2017-04-25	
Mechanical		
Displacement (in^3/Rev):	2.43	
Displacement (ft^3/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	

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):	67.0
Internal Free Volume (in^3):	210.0

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

Electrical	
LRA High* (Amps):	41
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	9.7
Max Operating Current (Amps):	8.00
RLA, MCC/1.4(use for contactor selection)(Amps):	6.9
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	6.2
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
No data available in table					

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

Nomenclature

ZP42K6E-TFD

Family Series

Z: Scroll

Application Range

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

Capacity

42K: Capacity Multiplier-1000

Model Variation

6: Model Variation

Oil Type

E: Polyol Ester