

ZP41K3E-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)	40700	51100
Power (W):	3950	2690
Current (Amps):	6	4.5
EER(BTU/Wh):	10.3	19
Mass Flow (lbs/hr):	600	630
Sound Data @		
Sound Power (dBA):	70 Avg	75 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2001-10-24	
Mechanical		
Displacement (in ³ /Rev):	2.40	
Displacement (ft ³ /Hr):		
Overall Length (in):	9.69	
Overall Width (in):	9.69	
Overall Height (in):	15.65	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	16.40	

Suction Size (in),Type:	3 / 4 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	38
Oil Type:	3MA
Net Weight (lbs):	65.0
Internal Free Volume (in³):	215.0

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

Electrical

LRA High* (Amps):	46
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	11
Max Operating Current (Amps):	8.00
RLA, MCC/1.4(use for contactor selection)(Amps):	7.9
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	7.1
RPM:	3500
Box IP :	21
UL File No:	SA2337- 19940614
UL File Date:	1994-06-14

*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

ZP41K3E-TFD

Family Series

Z: Scroll

Application Range

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

Capacity

41K: Capacity Multiplier-1000

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)