

ZP42K5E-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 Emerson Climate Technologies Representative for international availability.

Performance			Mechanical					
Evaporator Temp. (°F)	45.00	50	Displacement (in^3/Rev):		2.43			
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):					
Return Gas Temp. (°F)	65.00	70	Overall Length (in):		9.56			
Liquid Temp. (°F)	115.00	85	Overall Width (in):		9.56			
Capacity (BTU/hr)	41900	57600	Overall Height (in):		16.94			
Power (W):	4060	2640	Mounting Length (in):		7.50			
Current (Amps):	5.5	4.15	Mounting Width (in):		7.50			
EER(BTU/Wh):	10.3	21.8	Mounting Height (in):		17.17			
Mass Flow (lbs/hr):	617	708	Suction Size (in),Type:		7 / 8 Stub			
Sound Data @ 45 / 130			Discharge Size (in),Type:		1 / 2 Stub			
Sound Power (dBA):	71 Avg	76 Max	Initial Oil Charge (oz):		42			
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):		36			
Record Date:	2017-03-01		Oil Type:		3MA			
			Net Weight (lbs):		67.0			
			Internal Free Volume (in^3):		209.5			
			Horse Power:		*Overall compressor height on Copeland Brand Product's specified mounting grommets.			
Electrical			Capacitors					
LRA High* (Amps):		41.0	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):			No data available in table					
LRA Half Winding (Amps):								
MCC (Amps):		9.7						
Max Operating Current (Amps):		8.0						
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:		SA-2337						
UL File Date:		2003-12-17						
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.								

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