

ZP42K5E-TF5

HFC, R-410A, 60 Hz, 3 - Phase, 200/230 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.

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):	9.46
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.69
Capacity (BTU/hr)	42200	57300	Overall Height (in):	16.46
Power (W):	4020	2640	Mounting Length (in):	7.50
Current (Amps):	11.3	8	Mounting Width (in):	7.50
EER(BTU/Wh):	10.5	21.7	Mounting Height (in):	17.20
Mass Flow (lbs/hr):	622	705	Suction Size (in),Type:	1 1 / 4 Rotalock
Sound Data @ 45 / 130			Discharge Size (in),Type:	1 Rotalock
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
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
		Type	Part No	Low MFD	High MFD	Volts	User Description
LRA High* (Amps):	83.1						
LRA Low*(Amps):		No data available in table					
LRA Half Winding (Amps):							
MCC (Amps):	21.4						
Max Operating Current (Amps):	15.0						
RLA, MCC/1.4(use for contactor selection)(Amps):	15.3						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	13.7						
RPM:	3500						
Box IP :	56						
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.

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-410A HFC	200/220	3	50	Air Conditioning