

ZP31K5E-TF5

HFC, R-410A, 60 Hz, 3 - Phase, 200/230 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):	1.80
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)	31200	42600	Overall Height (in):	15.27
Power (W):	3060	2000	Mounting Length (in):	7.50
Current (Amps):	9.1	7.1	Mounting Width (in):	7.50
EER(BTU/Wh):	10.2	21.3	Mounting Height (in):	16.02
Mass Flow (lbs/hr):	459	525	Suction Size (in),Type:	3 / 4 Stub
Sound Data @ 45 / 130			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	69 Avg	74 Max	Initial Oil Charge (oz):	25
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	21
Record Date:	2017-03-01		Oil Type:	3MA
			Net Weight (lbs):	48.1
			Internal Free Volume (in ³):	124.5
			Horse Power:	
			*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):	73				
LRA Low*(Amps):		No data available in table			
LRA Half Winding (Amps):					
MCC (Amps):	16.3				
Max Operating Current (Amps):	13.0				
RLA, MCC/1.4(use for contactor selection)(Amps):	11.6				
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	10.4				
RPM:	3500				
Box IP :	21				
UL File No:	SA-2337				
UL File Date:	2003-12-16				

*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