

ZP51K5E-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):	2.94
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)	52300	70600	Overall Height (in):	16.94
Power (W):	4850	3260	Mounting Length (in):	7.50
Current (Amps):	6.8	4.9	Mounting Width (in):	7.50
EER(BTU/Wh):	10.8	21.7	Mounting Height (in):	17.17
Mass Flow (lbs/hr):	764	864	Suction Size (in),Type:	7 / 8 Stub
Sound Data @			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:	2017-04-24		Oil Type:	3MA
			Net Weight (lbs):	71.5
			Internal Free Volume (in^3):	190.8
			Horse Power:	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors				
LRA High* (Amps):	52.0	Type	Part No	Low MFD	High MFD	Volts User Description
LRA Low*(Amps):		No data available in table				
LRA Half Winding (Amps):						
MCC (Amps):	12.1					
Max Operating Current (Amps):	11.0					
RLA, MCC/1.4(use for contactor selection)(Amps):	8.6					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	7.8					
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