

ZP51K5E-TFD

HFC, R-410A, 60 Hz, 3 -Phase, 460 V

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

Evaporator Temp. (°F)	45	50
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	70
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	52300	70600
Power (W):	4850	3260
Current (Amps):	6.80	4.90
EER (Btu/Wh):	10.80	21.70
Mass Flow (lbs/hr):	764	864
<u>Sound Data @</u>		
Sound Power (dBA):	71 Avg	76 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2017-04-24	

Mechanical

Displacment(in ³ /Rev):	2.94
Displacment(ft ³ /hr):	357.29
Overall Length (in):	9.56
Overall Width (in):	9.56
Overall Height (in):	16.94
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	17.17 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	36
Net Weight (lbs):	71.0
Internal Free Volume (in ³):	190.8
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical

LRA-High*(Amp):	52.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	12.1
Max Operating Current(Amp):	11.0
RLA, MCC/1.4;use for contactor selection (Amp):	8.6
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	7.8
RPM:	3500
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.	

Capacitors

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-410A HFC	380/420	3	50	Air Conditioning