

# ZPD51K5E-TFD

HFC, R-410A, 60Hz, 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

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	51000	62800
Power (Watts):	4790	3200
Current (Amps):	6.85	4.95
EER (Btu/Wh):	10.60	19.60
Mass Flow (lbs/hr):	752	777
Sound Power (dBA):	77 Avg	82 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2008-04-21	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	2.94
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	357.29
Stroke(in):	0.00		
Overall Length (in):	9.26	Mounting Length (in):	7.50
Overall Width (in):	9.26	Mounting Width (in):	7.50
Overall Height (in):	18.39	Mounting Height (in):	19.14 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		38	
Initial Oil Charge (oz):		42	
Net Weight (lbs):		72.8	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	52.0	MCC (Amps):	12.1	UL File No:
LRA-Half Winding:		RPM:	3500	UL File Date:
LRA Low*:		Max Operating Current:	9.5	
RLA(=MCC/1.4;use for contactor selection):		8.6		
RLA(=MCC/1.56;use for breaker & wire size selection):		7.8		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.				

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-410A HFC	50	3	380/420	A/C, 50% Load Of Compressor
R-410A HFC	60	3	460	A/C, 50% Load Of Compressor
R-410A HFC	50	3	380/420	Air Conditioning