

# ZPS51K5E-TF5



HFC, R-410A, 60 Hz, 3 -phase, 200/230 V  
A/C, 67% Load Of Compressor Model

**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)	50 / 100	30 / 100
RG(°F)/Liq(°F)	70.0 / 85.0	50.0 / 85.0
Capacity (Btu/hr)	48300	31400
Power (Watts):	2320	2640
Current (Amps):	8.35	9.00
EER (Btu/Wh):	20.80	11.90
Mass Flow (lbs/hr):	592	394
<u>Sound Data @</u>		
Sound Power (dBA):	72 Avg	77 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2010-11-09	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	2.96
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	359.72
Stroke(in):	0.00		
Overall Length (in):	9.56	Mounting Length (in):	7.50
Overall Width (in):	9.56	Mounting Width (in):	7.50
Overall Height (in):	16.94	Mounting Height (in):	17.17 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		38	
Initial Oil Charge (oz):		42	
Net Weight (lbs):		71.5	
Internal Free Volume (in <sup>3</sup> ):		188.9	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	110.0	MCC (Amps):	25.8	UL File No:
LRA-Half Winding:		RPM:	3500	UL File Date:
LRA Low*:		Max Operating Current:	22.0	
RLA(=MCC/1.4;use for contactor selection):		18.4		
RLA(=MCC/1.56;use for breaker & wire size selection):		16.5		
*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	200/220	A/C, 67% Load Of Compressor
R-410A HFC	50	3	200/220	Air Conditioning
R-410A HFC	60	3	200/230	Air Conditioning