

# ZP54KSE-TFM

HFC, R-410A, 50Hz, 3- Phase, 380/420 V

Air Conditioning



**Production Status:** Non U.S. model with restricted sales - Contact your Emerson Climate Technologies Representative.

## Performance

<u>Evap(°F)/Cond(°F)</u>	<u>45 / 130</u>	<u>45 / 100</u>
<u>RG(°F)/Liq(°F)</u>	<u>65 / 115</u>	<u>65 / 85</u>
Capacity (Btu/hr)	44100	55400
Power (Watts):	4210	2740
Current (Amps):	7.10	4.85
EER (Btu/Wh):	10.50	20.20
Mass Flow (lbs/hr):	651	685
Sound Power (dBA):	70 Avg	75 Max
Vibration (mils(peak- Record Date:	2.5 Avg 2009-03-26	3.5 Max

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	3.12
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	314.17
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):		72.8	
Internal Free Volume (in <sup>3</sup> ):		190.8	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	51.5	MCC (Amps):	12.1	UL File No:
LRA-Half Winding:		RPM:		UL File Date:
LRA Low*:	47.0	Max Operating Current:	10.3	
RLA(=MCC/1.4;use for contactor selection):		8.6		
RLA(=MCC/1.56;use for breaker & wire size		7.8		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.				

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
--------------------	------------------	--------------	----------------	--------------------