

# ZP120KCE-TFD

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

<u>Evap(°C)/Cond(°C)</u>	<u>7.2 / 54.4</u>	<u>7.2 / 37.8</u>
<u>RG(°C)/Liq(°C)</u>	<u>18.3 / 46.1</u>	<u>18.3 / 29.4</u>
Capacity (Watts)	29300	36500
Power (Watts):	9110	6210
Current (Amps):	16.60	12.50
EER (COP):	3.22	5.88
Mass Flow (g/s):	186	194
Sound Power (dBA):	74 Avg	79 Max
Vibration (mm(peak- Vibration (mm(peak- Record Date:	0.076 Avg 0.114 Max 2008-04-30	0.114 Max

## Mechanical

Number of Cylinders:	0	Displ(cm <sup>3</sup> /Rev):	113.58
Bore Size(mm):	0.00	Displ(meters <sup>3</sup> /hr):	19.76
Stroke(mm):	0.00		
Overall Length (mm):	263.6	Mounting Length (mm):	190.50
Overall Width (mm):	285.2	Mounting Width (mm):	190.50
Overall Height (mm):	533.4	Mounting Height (mm):	552.4 *
Suction Size (mm):		34 15/16 Stub	
Discharge Size (mm):		22 7/32 Stub	
Oil Recharge (ml):		3135	
Initial Oil Charge (ml):		3253	
Net Weight (kg):		61.23	
Internal Free Volume (cm <sup>3</sup> ):		13259.51	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	118.0	MCC (Amps):	28.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:	110.0	Max Operating Current:	22.0		
RLA(=MCC/1.4;use for contactor selection):			20		
RLA(=MCC/1.56;use for breaker & wire size			17.9		
*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>
R-410A HFC	60	3	460	Air Conditioning