

# ZR190KCE-TFD

HFC, R-407C, 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>1.7 / 48.9</u>
<u>RG(°C)/SubCool(°C)</u>	<u>18.3 / 8</u>	<u>12.8 / 8</u>
Capacity (Watts)	44000	38000
Power (Watts):	13650	12000
Current (Amps):	26.50	24.50
EER (COP):	3.22	3.17
Mass Flow (g/s):	275	229
Sound Power (dBA):	82 Avg	87 Max
Vibration (mm(peak- Record Date:	0.076 Avg 2008-01-08	0.114 Max

## Mechanical

Number of Cylinders:	0	Displ(cm <sup>3</sup> /Rev):	249.16
Bore Size(mm):	0.00	Displ(meters <sup>3</sup> /hr):	43.35
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):	551.6	Mounting Height (mm):	584.9 *
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):		66.22	
Internal Free Volume (cm <sup>3</sup> ):		14029.84	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	174.0	MCC (Amps):	42.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:	157.0	Max Operating Current:	34.0		
RLA(=MCC/1.4;use for contactor selection):			30		
RLA(=MCC/1.56;use for breaker & wire size			26.9		
*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-134a HFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning