

# ZR250KCE-TWD

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

Evap(°C)/Cond(°C)	<u>7.2 / 54.4</u>	<u>7.2 / 37.8</u>
RG(°C)/SubCool(°C)	<u>18.3 / 8</u>	<u>18.3 / 8</u>
Capacity (Watts)	58500	71000
Power (Watts):	18000	12400
Current (Amps):	30.10	22.70
EER (COP):	3.25	5.74
Mass Flow (g/s):	365	379
Sound Power (dBA):	83 Avg	88 Max
Vibration (mm(peak- Vibration (mm(peak- Record Date:	0.089 Avg	0.127 Max
	2005-06-28	

## Mechanical

Number of Cylinders:	0	Displ(cm <sup>3</sup> /Rev):	325.16
Bore Size(mm):	0.00	Displ(meters <sup>3</sup> /hr):	56.57
Stroke(mm):	0.00		
Overall Length (mm):	426.7	Mounting Length (mm):	266.70
Overall Width (mm):	375.9	Mounting Width (mm):	266.70
Overall Height (mm):	726.4	Mounting Height (mm):	736.6 *
Suction Size (mm):		41 9/32 Stub	
Discharge Size (mm):		34 15/16 Stub	
Oil Recharge (ml):		4377	
Initial Oil Charge (ml):		4672	
Net Weight (kg):		139.25	
Internal Free Volume (cm <sup>3</sup> ):		24634.17	
Horse Power:		20	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	225.0	MCC (Amps):	53.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	28-Nov-2000
LRA Low*:		Max Operating Current:	41.0		
RLA(=MCC/1.4;use for contactor selection):			37.9		
RLA(=MCC/1.56;use for breaker & wire size			34		
*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-134a HFC	60	3	460	Air Conditioning
R-22 HCFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning