

# 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(°F)/Cond(°F)	<u>45 / 130</u>	<u>45 / 100</u>
RG(°F)/SubCool(°F)	<u>65 / 15</u>	<u>65 / 15</u>
Capacity (Btu/hr)	200000	242000
Power (Watts):	18000	12400
Current (Amps):	30.10	22.70
EER (Btu/Wh):	11.10	19.60
Mass Flow (lbs/hr):	2900	3010
Sound Power (dBA):	83 Avg	88 Max
Vibration (mils(peak- Vibration (mils(peak-	3.5 Avg	5.0 Max
Record Date:	2005-06-28	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	19.84
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1997.67
Stroke(in):	0.00		
Overall Length (in):	16.80	Mounting Length (in):	10.50
Overall Width (in):	14.80	Mounting Width (in):	10.50
Overall Height (in):	28.60	Mounting Height (in):	29.00 *
Suction Size (in):	1 5/8 Stub		
Discharge Size (in):	1 3/8 Stub		
Oil Recharge (oz):	148		
Initial Oil Charge (oz):	158		
Net Weight (lbs):	307		
Internal Free Volume (in <sup>3</sup> ):	1503.0		
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