

# ZR310KCE-TWD

HFC, R-407C, 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)/SubCool(°F)</u>	<u>65 / 15</u>	<u>65 / 15</u>
Capacity (Btu/hr)	248000	307000
Power (Watts):	22300	15700
Current (Amps):	37.90	29.50
EER (Btu/Wh):	11.10	19.60
Mass Flow (lbs/hr):	3610	3820
Sound Power (dBA):	85 Avg	90 Max
Vibration (mils(peak- Record Date: 2005-07-15	3.7 Avg	5.0 Max

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	25.05
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	2522.38
Stroke(in):	0.00		
Overall Length (in):	17.60	Mounting Length (in):	10.50
Overall Width (in):	15.37	Mounting Width (in):	10.50
Overall Height (in):	28.50	Mounting Height (in):	28.90 *
Suction Size (in):		1 5/8 Stub	
Discharge Size (in):		1 3/8 Stub	
Oil Recharge (oz):		220	
Initial Oil Charge (oz):		230	
Net Weight (lbs):		353	
Internal Free Volume (in <sup>3</sup> ):		2074.0	
Horse Power:		26	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	272.0	MCC (Amps):	61.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	28-Nov-2000
LRA Low*:		Max Operating Current:	52.0		
RLA(=MCC/1.4;use for contactor selection):		43.6			
RLA(=MCC/1.56;use for breaker & wire size		39.1			
*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