

# 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(°C)/Cond(°C)</u>	<u>7.2 / 54.4</u>	<u>7.2 / 37.8</u>
<u>RG(°C)/SubCool(°C)</u>	<u>18.3 / 8</u>	<u>18.3 / 8</u>
Capacity (Watts)	72500	90000
Power (Watts):	22300	15700
Current (Amps):	37.90	29.50
EER (COP):	3.25	5.74
Mass Flow (g/s):	455	481
Sound Power (dBA):	85 Avg	90 Max
Vibration (mm(peak- Vibration (mm(peak- Record Date:	0.094 Avg	0.127 Max
	2005-07-15	

## Mechanical

Number of Cylinders:	0	Displ(cm <sup>3</sup> /Rev):	410.57
Bore Size(mm):	0.00	Displ(meters <sup>3</sup> /hr):	71.43
Stroke(mm):	0.00		
Overall Length (mm):	447.0	Mounting Length (mm):	266.70
Overall Width (mm):	390.4	Mounting Width (mm):	266.70
Overall Height (mm):	723.9	Mounting Height (mm):	734.0 *
Suction Size (mm):		41 9/32 Stub	
Discharge Size (mm):		34 15/16 Stub	
Oil Recharge (ml):		6506	
Initial Oil Charge (ml):		6802	
Net Weight (kg):		160.12	
Internal Free Volume (cm <sup>3</sup> ):		33992.86	
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