

ZR81KCE-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(°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)	63500	77000
Power (Watts):	5900	3990
Current (Amps):	10.90	8.60
EER (Btu/Wh):	10.80	19.30
Mass Flow (lbs/hr):	925	955
Sound Power (dBA):	72 Avg	77 Max
Vibration (mils(peak- Record Date: 2005-04-15	2.0 Avg	3.0 Max

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	6.58
Bore Size(in):	0.00	Displ(ft ³ /hr):	662.26
Stroke(in):	0.00		
Overall Length (in):	9.48	Mounting Length (in):	7.50
Overall Width (in):	9.71	Mounting Width (in):	7.50
Overall Height (in):	17.95	Mounting Height (in):	18.20 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		3/4 Stub	
Oil Recharge (oz):		56	
Initial Oil Charge (oz):		60	
Net Weight (lbs):		86	
Internal Free Volume (in ³):		258.0	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	101.0	MCC (Amps):	17.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	26-Jul-1993
LRA Low*:	90.5	Max Operating Current:	15.0		
RLA(=MCC/1.4;use for contactor selection):		12.1			
RLA(=MCC/1.56;use for breaker & wire size		10.9			
*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