

ZR81KCE-TFD

HFC, R-407C, 60Hz, 3- Phase, 460 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)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	79200	94600
Power (Watts):	7040	4800
Current (Amps):	11.15	8.75
EER (Btu/Wh):	11.25	19.70
Mass Flow (lbs/hr):	1145	1170
Sound Power (dBA):	75 Avg	80 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2014-08-05	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	6.58
Bore Size(in):	0.00	Displ(ft^3/hr):	799.29
Stroke(in):	0.00		
Overall Length (in):	9.69	Mounting Length (in):	7.50
Overall Width (in):	9.69	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*:	100.0	MCC (Amps):	17.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Jul-1993
LRA Low*:		Max Operating Current:	15.0		
RLA(=MCC/1.4;use for contactor selection):	12.1				
RLA(=MCC/1.56;use for breaker & wire size selection):	10.9				
*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	50	3	380/420	Air Conditioning
R-134a HFC	60	3	460	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning
R-22 HCFC	60	3	460	Air Conditioning