ZR144KC-TFD

HCFC, R-22, 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 / 115	65 / 85
Capacity (Btu/hr)	146000	172000
Power (Watts):	12300	9050
Current (Amps):	18.20	14.30
EER (Btu/Wh):	11.80	19.00
Mass Flow (lbs/hr):	2130	2220
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak-	3.0 Avg	4.5 Max
Record Date:	2005-09-09	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	11.65
Bore Size(in):	0.00	Displ(ft^3/hr):	1415.19
Stroke(in):	0.00		
Overall Length (in):	10.38	Mounting Length (in):	7.50
Overall Width (in):	11.23	Mounting Width (in):	7.50
Overall Height (in):	21.00	Mounting Height (in):	21.75 *

Suction Size (in):	1 3/8 Stub
Discharge Size (in):	7/8 Stub
Oil Recharge (oz):	106
Initial Oil Charge (oz):	110
Net Weight (lbs):	135
Internal Free Volume (in^3):	809.0
Horse Power:	

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA-High*:	125.0	MCC (Amps):	29.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	22.3		
RLA(=MCC/1.4;use for contactor selection):		20.7			
RLA(=MCC/1.56;use for breaker & wire size		18.6			

*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-22 HCFC	50	3	380/420	Air Conditioning

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