ZR81KCE-TFD

HCFC, R-22, 60 Hz, 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

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	82000	96500
Power (W):	6950	5000
Current (Amps):	11.00	9.10
EER (Btu/Wh):	11.80	19.30
Mass Flow (lbs/hr):	1200	1240
Sound Data @		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2014-04-09	

Mechanical

Displacment(in^3/Rev):	6.58
Displacment(ft^3/hr):	799.29
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	17.95
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	18.20 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	3/4 Stub
Initial Oil Charge (oz):	60
Oil Recharge (oz):	56
Net Weight (lbs):	86.0
Internal Free Volume (in^3):	258.0
Horse Power:	

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

Electrical

LRA-High*(Amp):	100.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	17.0
Max Operating Current(Amp):	15.0
RLA, MCC/1.4;use for contactor selection (Amp):	12.1
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	10.9
RPM:	3500
Box IP	21
UL File No:	SA-2337
UL File Date:	1993-07-26

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-134a HFC	460	3	60	Air Conditioning
R-134a HFC	380/420	3	50	Air Conditioning
R-22 HCFC	380/420	3	50	Air Conditioning
R-407C HFC	460	3	60	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning

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