

ZB21KCE-TFD

HCFC, R-22, 60 Hz, 3 -Phase, 460 V
High Temp



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	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	34400	22200
Power (W):	3230	2800
Current (Amps):	4.70	4.30
EER (Btu/Wh):	10.70	7.90
Mass Flow (lbs/hr):	545	324
<u>Sound Data @</u>		
Sound Power (dBA):	71 Avg	76 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2009-10-14	

Mechanical

Displacment(in ³ /Rev):	3.02
Displacment(ft ³ /hr):	367.01
Overall Length (in):	9.50
Overall Width (in):	9.50
Overall Height (in):	15.45
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	16.20 *
Suction Size (in),Type:	3/4 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	49
Oil Recharge (oz):	45
Net Weight (lbs):	60.0
Internal Free Volume (in ³):	183.0
Horse Power:	3.00

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

Electrical

LRA-High*(Amp):	39.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	8.0
Max Operating Current(Amp):	7.20
RLA, MCC/1.4;use for contactor selection (Amp):	5.7
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	5.1
RPM:	3500
UL File No:	
UL File Date:	1995-02-28

*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	380/420	3	50	High Temp
R-134a HFC	460	3	60	High Temp
R-404A HFC	380/420	3	50	Medium Temperature
R-404A HFC	460	3	60	Medium Temperature
R-507 HFC	380/420	3	50	Medium Temperature
R-507 HFC	460	3	60	Medium Temperature
R-22 HCFC	380/420	3	50	High Temp
R-407C HFC	380/420	3	50	Medium Temperature
R-407C HFC	380/420	3	50	High Temp
R-407C HFC	460	3	60	Medium Temperature

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-407C HFC	460	3	60	High Temp
R-407A HFC	380/420	3	50	Medium Temperature
R-407A HFC	460	3	60	Medium Temperature
R-407F HFC	380/420	3	50	Medium Temperature
R-407F HFC	460	3	60	Medium Temperature
R-448A HFO	380/420	3	50	Medium Temperature
R-448A HFO	460	3	60	Medium Temperature
R-449A HFO	380/420	3	50	Medium Temperature
R-449A HFO	460	3	60	Medium Temperature