

ZB21KCE-TFD

HFO, R-449A, 50 Hz, 3 -Phase, 380/420 V

Medium Temperature



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.(°C)	-7	7
Condensing Temp.(°C)	49	54
Return Gas Temp.(°C)	18	18
Liquid Temp.(°C)	49	54
Capacity (Watts)	4900	8100
Power (W):	2760	3060
Current (Amps):	4.80	5.15
COP:	1.79	2.65
Mass Flow (g/s):	32	62
<u>Sound Data @20 / 120</u>		
Sound Power (dBA):	69 Avg	74 Max
Vibration mm(peak-peak):	0.1 Avg	0.1 Max
Record Date:	2016-07-08	

Electrical

LRA-High* (Amp):	40.0
LRA Low* (Amp):	36.0
LRA-Half Winding (Amp):	
MCC (Amps):	8.5
Max Operating Current (Amp):	7.20
RLA, MCC/1.4;use for contactor selection(Amp):	6.1
RLA, MCC/1.56;use for breaker & wire size selection(Amp):	5.4
RPM:	2900
Box IP	21
UL File No:	
UL File Date:	
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(cm^3/Rev):	49.50
Displacment	8.61
Overall Length	241.30
Overall Width (mm):	241.30
Overall Height	392.43
Mounting Length (mm):	190.50
Mounting Width (mm):	190.50
Mounting Height (mm):	411.48 *
Suction Size (mm),Type:	19.06 Stub
Discharge Size (mm),Type:	12.69 Stub
Initial Oil Charge (ml):	1449
Oil Recharge (ml):	1331
Net Weight (kg):	27.2
Internal Free Volume (cm^3):	2999.4
Horse Power:	3.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-134a HFC	460	3	60	High Temp
R-134a HFC	380/420	3	50	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	460	3	60	High Temp
R-22 HCFC	380/420	3	50	High Temp

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
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
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	460	3	60	Medium Temperature