

ZB50KCE-TFD

HFC, R-404A, 60Hz, 3- Phase, 460 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

Evap(°F)/Cond(°F)	20 / 120	45 / 130
RG(°F)/Liq(°F)	65.0 / 120.0	65.0 / 130.0
Capacity (Btu/hr)	52200	76000
Power (Watts):	7490	8390
Current (Amps):	11.50	12.55
EER (Btu/Wh):	7.00	9.00
Mass Flow (lbs/hr):	1095	1850
Sound Power (dBA):	82 Avg	87 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2007-09-13	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	6.93
Bore Size(in):	0.00	Displ(ft ³ /hr):	842.19
Stroke(in):	0.00		
Overall Length (in):	10.38	Mounting Length (in):	7.50
Overall Width (in):	11.19	Mounting Width (in):	7.50
Overall Height (in):	18.88	Mounting Height (in):	19.75 *
Suction Size (in):	1 1/8 Stub		
Discharge Size (in):	7/8 Stub		
Oil Recharge (oz):	81		
Initial Oil Charge (oz):	85		
Net Weight (lbs):	126		
Internal Free Volume (in ³):	639.0		
Horse Power:	7		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	100.0	MCC (Amps):	21.0	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	14.6		
RLA(=MCC/1.4;use for contactor selection):			15		
RLA(=MCC/1.56;use for breaker & wire size selection):			13.5		
*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-407F HFC	60	3	460	
R-407F HFC	50	3	380/420	
R-134a HFC	50	3	380/420	High Temp
R-404A HFC	50	3	380/420	Medium Temperature
R-507 HFC	50	3	380/420	Medium Temperature
R-134a HFC	60	3	460	High Temp
R-507 HFC	60	3	460	Medium Temperature
R-407C HFC	50	3	380/420	High Temp
R-22 HCFC	50	3	380/420	High Temp
R-407C HFC	60	3	460	High Temp

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	60	3	460	High Temp