

ZB50KCE-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)	79500	49200
Power (W):	7300	6400
Current (Amps):	11.40	10.50
EER (Btu/Wh):	10.90	7.70
Mass Flow (lbs/hr):	1250	720
<u>Sound Data @</u>		
Sound Power (dBA):	82 Avg	87 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2004-07-27	

Mechanical

Displacment(in ³ /Rev):	6.93
Displacment(ft ³ /hr):	842.19
Overall Length (in):	10.38
Overall Width (in):	11.19
Overall Height (in):	18.88
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	19.75 *
Suction Size (in),Type:	1 1/8 Stub
Discharge Size (in),Type:	7/8 Stub
Initial Oil Charge (oz):	85
Oil Recharge (oz):	81
Net Weight (lbs):	126.0
Internal Free Volume (in ³):	639.0
Horse Power:	7.00

*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):	20.0
Max Operating Current(Amp):	14.6
RLA, MCC/1.4;use for contactor selection (Amp):	14.3
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	12.8
RPM:	3500
UL File No:	
UL File Date:	1996-09-27

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