

ZBD30KCE-TFD

HFC, R-404A, 60 Hz, 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

Evaporator Temp. (°F)	20	45
Condensing Temp. (°F)	120	130
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	120	130
Capacity (Btu/hr)	30500	43400
Power (W):	4120	4990
Current (Amps):	6.00	7.00
EER (Btu/Wh):	7.40	8.70
Mass Flow (lbs/hr):	640	1060
<u>Sound Data @</u>		
Sound Power (dBA):	72 Avg	76 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2012-02-02	

Mechanical

Displacment(in ³ /Rev):	4.10
Displacment(ft ³ /hr):	497.78
Overall Length (in):	9.67
Overall Width (in):	10.18
Overall Height (in):	18.94
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	19.69 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	64
Oil Recharge (oz):	60
Net Weight (lbs):	81.0
Internal Free Volume (in ³):	372.2
Horse Power:	4.00

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

Electrical

LRA-High*(Amp):	47.5
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	10.4
Max Operating Current(Amp):	7.9
RLA, MCC/1.4;use for contactor selection (Amp):	7.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	6.7
RPM:	3500
UL File No:	SA-2337
UL File Date:	1994-06-15

*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-404A HFC	380/420	3	50	Medium Temperature
R-507 HFC	380/420	3	50	Medium Temperature
R-507 HFC	460	3	60	Medium Temperature
R-407C HFC	380/420	3	50	Medium Temperature
R-407C HFC	460	3	60	Medium Temperature
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

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
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