ZBD30KCE-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)	30500	43400
Power (Watts):	4120	4990
Current (Amps):	6.00	7.00
EER (Btu/Wh):	7.40	8.70
Mass Flow (lbs/hr):	640	1060
Sound Power (dBA):	72 Avg	76 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2012-02-02	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	4.10
Bore Size(in):	0.00	Displ(ft^3/hr):	497.78
Stroke(in):	0.00		
Overall Length (in):	9.48	Mounting Length (in):	7.50
Overall Width (in):	9.70	Mounting Width (in):	7.50
Overall Height (in):	18.96	Mounting Height (in):	19.71 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		3/4 Stub	
Oil Recharge (oz):		60	
Initial Oil Charge (oz):		64	
Net Weight (lbs):		81	
Internal Free Volume (in^3):		372.2	
Horse Power:		4	

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

Electrical

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

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