

ZB30KCE-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)	29600	42500
Power (Watts):	4290	4820
Current (Amps):	6.60	7.30
EER (Btu/Wh):	6.90	8.80
Mass Flow (lbs/hr):	625	1040
Sound Power (dBA):	72 Avg	77 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2009-02-13	

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):	10.12	Mounting Length (in):	7.50
Overall Width (in):	9.67	Mounting Width (in):	7.50
Overall Height (in):	17.23	Mounting Height (in):	17.98 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		60	
Initial Oil Charge (oz):		64	
Net Weight (lbs):		78	
Internal Free Volume (in ³):		256.0	
Horse Power:		4	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	47.5	MCC (Amps):	10.5	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	15-Jun-1994
LRA Low*:		Max Operating Current:	10.3		
RLA(=MCC/1.4;use for contactor selection):		7.5			
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-134a HFC	50	3	380/420	High Temp
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

Alternate Applications

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