

# ZB76KCE-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)	78200	112000
Power (Watts):	10900	12450
Current (Amps):	16.40	18.30
EER (Btu/Wh):	7.20	9.00
Mass Flow (lbs/hr):	1640	2740
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak-peak)):	3.0 Avg	4.0 Max
Record Date:	2012-06-27	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	10.20
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1239.34
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):	21.50	Mounting Height (in):	21.75 *
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Oil Recharge (oz):	106		
Initial Oil Charge (oz):	110		
Net Weight (lbs):	135		
Internal Free Volume (in <sup>3</sup> ):	809.0		
Horse Power:	10		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	125.0	MCC (Amps):	28.0	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	20.4		
RLA(=MCC/1.4;use for contactor selection):	20				
RLA(=MCC/1.56;use for breaker & wire size selection):	17.9				
*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-507 HFC	50	3	380/420	Medium Temperature
R-404A 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