

# ZR40K3E-TFD



HFC, R-407C, Dew Point, 50 Hz, 3 - Phase, 380/420 V  
Air Conditioning

**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)	45/130	45/100
RG(°F)/Liq(°F)	65/115	65/85
Capacity (Btu/hr):	31700	38300
Power (Watts):	2960	1940
Current (Amps):	5.4	4.1
EER (Btu/Wh):	10.7	19.8
Mass Flow (lbs/hr):	461.0	475.0
Sound Power(dBA):	68 Ave	73 Max
Vibration (mils(peak-peak)):	2.0 Ave	3.0 Max
Record Date:	2005-04-15	

## Mechanical

Number of Cylinders:	0	Displ (in <sup>3</sup> /Rev):	3.309
Bore Size (in):	0.0	Displ (ft <sup>3</sup> /hr):	333.1964
Stroke (in):	0.0		
Overall Length (in):	9.567	Mounting Length (in):	7.5
Overall Width (in):	9.567	Mounting Width(in):	7.5
Overall Height (in):	15.729	Mounting Height (in):	15.965*
Suction Size (in):	3/4 Stub		
Discharge Size (in):	1/2 Stub		
Initial Oil Charge (oz):	42		
Oil Recharge (oz):	38		
Net Weight (lbs):	62.0		
Internal Free Volume (in <sup>3</sup> ):	191.0		
HorsePower			
* Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	46.0	MCC (Amps):	9.0	UL File No.:	
LRA-Half Winding:		RPM:	2900	UL File Date:	14-Jun-1994
LRA-Low*:	41.0	Max Operating Current:	7.0	CSA File No.:	
RLA(=MCC/1.4; use for contactor selection):	6.4				
RLA (=MCC/1.56; use for breaker & wire size selection):	5.8				
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

## Alternate Applications

Refrigerant	Frequency(Hz)	Phase	Voltage	Application
R-134a HFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning