

ZR42K3E-TFD

HFC, R-407C, 50Hz, 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

<u>Evap(°C)/Cond(°C)</u>	<u>7.2 / 54.4</u>	<u>7.2 / 37.8</u>
<u>RG(°C)/SubCool(°C)</u>	<u>18.3 / 8</u>	<u>18.3 / 8</u>
Capacity (Watts)	9750	11800
Power (Watts):	3110	2020
Current (Amps):	5.30	4.10
EER (COP):	3.14	5.83
Mass Flow (g/s):	61	63
Sound Power (dBA):	8 Avg	9 Max
Vibration (mm(peak- Vibration (mm(peak- Record Date:	0.051 Avg	0.076 Max
	2005-04-15	

Mechanical

Number of Cylinders:	0	Displ(cm ³ /Rev):	56.00
Bore Size(mm):	0.00	Displ(meters ³ /hr):	9.95
Stroke(mm):	0.00		
Overall Length (mm):	243.0	Mounting Length (mm):	190.50
Overall Width (mm):	243.0	Mounting Width (mm):	190.50
Overall Height (mm):	399.5	Mounting Height (mm):	405.5 *
Suction Size (mm):		3/4 Stub	
Discharge Size (mm):		1/2 Stub	
Oil Recharge (liter):		1	
Initial Oil Charge (liter):		1	
Net Weight (kg):		28.17	
Internal Free Volume (cm ³):		3.056	
Horse Power:		3.5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	46.0	MCC (Amps):	10.0	UL File No:	
LRA-Half Winding:		RPM:		UL File Date:	14-Jun-1994
LRA Low*:	41.0	Max Operating Current:	7.1		
RLA(=MCC/1.4;use for contactor selection):			7.1		
RLA(=MCC/1.56;use for breaker & wire size			6.4		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-407C HFC	60	3	460	Air Conditioning