

# ZR42K5E-TFD

HCFC, R-22, 60Hz, 3- Phase, 460 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	50 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	70.0 / 85.0
Capacity (Btu/hr)	42200	55900
Power (Watts):	3750	2540
Current (Amps):	5.65	4.30
EER (Btu/Wh):	11.25	21.95
Mass Flow (lbs/hr):	618	716
Sound Power (dBA):	73 Avg	78 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2014-03-06	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	3.45
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	419.27
Stroke(in):	0.00		
Overall Length (in):	9.69	Mounting Length (in):	7.50
Overall Width (in):	9.69	Mounting Width (in):	7.50
Overall Height (in):	19.94	Mounting Height (in):	17.17 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		34	
Initial Oil Charge (oz):		42	
Net Weight (lbs):		60.8	
Internal Free Volume (in <sup>3</sup> ):		226.3	
Horse Power:		3.5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	48.0	MCC (Amps):	9.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	
LRA Low*:		Max Operating Current:	8.0		
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	Freq (Hz)	Phase	Voltage	Application
R-407C HFC	50	3	380/420	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning