

# ZR42K5E-TFD

HCFC, R-22, 60 Hz, 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

Evaporator Temp. (°F)	45	50
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	70
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	42200	55900
Power (W):	3750	2540
Current (Amps):	5.65	4.30
EER (Btu/Wh):	11.25	21.95
Mass Flow (lbs/hr):	618	716
<u>Sound Data @ 45 / 130</u>		
Sound Power (dBA):	73 Avg	78 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2015-10-13	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	3.45
Displacment(ft <sup>3</sup> /hr):	419.27
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	19.94
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	17.17 *
Suction Size (in),Type:	7/8 Stub
Discharge Size (in),Type:	1/2 Stub
Initial Oil Charge (oz):	42
Oil Recharge (oz):	34
Net Weight (lbs):	60.0
Internal Free Volume (in <sup>3</sup> ):	226.3
Horse Power:	3.50

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

LRA-High*(Amp):	48.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	9.0
Max Operating Current(Amp):	8.0
RLA, MCC/1.4;use for contactor selection (Amp):	6.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	5.8
RPM:	3500
UL File No:	SA-2337
UL File Date:	

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-22 HCFC	380/420	3	50	Air Conditioning
R-407C HFC	460	3	60	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning