

# ZR144KCE-TFD

HFC, R-407C, 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	35
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	105
Capacity (Btu/hr)	142000	122500
Power (W):	12350	10850
Current (Amps):	18.15	16.30
EER (Btu/Wh):	11.50	11.30
Mass Flow (lbs/hr):	2070	1715
<u>Sound Data @</u>		
Sound Power (dBA):	80 Avg	85 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2017-03-22	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	11.65
Displacment(ft <sup>3</sup> /hr):	1415.19
Overall Length (in):	10.38
Overall Width (in):	11.23
Overall Height (in):	21.00
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	21.75 *
Suction Size (in),Type:	1 3/8 Stub
Discharge Size (in),Type:	7/8 Stub
Initial Oil Charge (oz):	110
Oil Recharge (oz):	106
Net Weight (lbs):	135.0
Internal Free Volume (in <sup>3</sup> ):	809.0
Horse Power:	

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

## Electrical

LRA-High*(Amp):	125.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	29.0
Max Operating Current(Amp):	22.3
RLA, MCC/1.4;use for contactor selection (Amp):	20.7
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	18.6
RPM:	3500
UL File No:	SA-2337
UL File Date:	1996-09-27

\*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-134a HFC	460	3	60	Air Conditioning
R-134a HFC	380/420	3	50	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning