

ZB114K5E-TFD

HCFC, R-22, 60 Hz, 3 -Phase, 460 V

High Temp



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	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	40
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	172000	109500
Power (W):	16600	14400
Current (Amps):	26.55	24.10
EER (Btu/Wh):	10.40	7.60
Mass Flow (lbs/hr):	2720	1705
<u>Sound Data @</u>		
Sound Power (dBA):	82 Avg	87 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2016-07-26	

Electrical

LRA-High*(Amp):	179.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	39.0
Max Operating Current(Amp):	33.5
RLA, MCC/1.4;use for contactor selection (Amp):	27.9
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	25.0
RPM:	3500
UL File No:	
UL File Date:	
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in^3/Rev):	15.20
Displacment(ft^3/hr):	1847.47
Overall Length (in):	14.29
Overall Width (in):	14.28
Overall Height (in):	22.21
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	23.02 *
Suction Size (in),Type:	1 3/4 Rotalo
Discharge Size (in),Type:	1 1/4 Rotalo
Initial Oil Charge (oz):	114
Oil Recharge (oz):	110
Net Weight (lbs):	146.0
Internal Free Volume (in^3):	
Horse Power:	15.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

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	High Temp
R-134a HFC	380/420	3	50	High Temp
R-404A HFC	380/420	3	50	Medium Temperature
R-404A HFC	460	3	60	Medium Temperature
R-507 HFC	380/420	3	50	Medium Temperature
R-507 HFC	460	3	60	Medium Temperature
R-22 HCFC	380/420	3	50	High Temp
R-407A HFC	380/420	3	50	Medium Temperature
R-407A HFC	460	3	60	Medium Temperature
R-407F HFC	380/420	3	50	Medium Temperature

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-407F HFC	460	3	60	Medium Temperature
R-448A HFO	380/420	3	50	Medium Temperature
R-448A HFO	460	3	60	Medium Temperature
R-449A HFO	380/420	3	50	Medium Temperature
R-449A HFO	460	3	60	Medium Temperature