

ZF24K4E-TWD

Replacement: ZF25K4E-TFD



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

Low Temp, Liquid Injected

Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	105	105
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	105	105
Capacity (Btu/hr)	21800	14900
Power (W):	5400	4960
Current (Amps):	9.90	9.40
EER (Btu/Wh):	4.00	3.00
Mass Flow (lbs/hr):	291	198
<u>Sound Data @</u>		
Sound Power (dBA):	86 Avg	91 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2004-07-22	

Electrical

LRA-High*(Amp):	99.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	14.5
Max Operating Current(Amp):	16.1
RLA, MCC/1.4;use for contactor selection (Amp):	10.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	9.3
RPM:	3500
UL File No:	SA-9747
UL File Date:	1900-01-01
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in^3/Rev):	7.32
Displacment(ft^3/hr):	889.46
Overall Length (in):	12.44
Overall Width (in):	14.50
Overall Height (in):	21.34
Mounting Length (in):	8.65
Mounting Width (in):	8.65
Mounting Height (in):	22.09 *
Suction Size (in),Type:	1 3/4 Rotalo
Discharge Size (in),Type:	1 1/4 Rotalo
Initial Oil Charge (oz):	140
Oil Recharge (oz):	137
Net Weight (lbs):	221.0
Internal Free Volume (in^3):	1037.0
Horse Power:	7.50
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-134a HFC	460	3	60	High Temp
R-134a HFC	460	3	60	Medium Temp, Liquid Injected
R-134a HFC	460	3	60	Low Temp, Liquid Injected
R-134a HFC	380/420	3	50	High Temp
R-134a HFC	380/420	3	50	Medium Temp, Liquid Injected
R-134a HFC	380/420	3	50	Low Temp, Liquid Injected
R-404A HFC	460	3	60	Medium Temp, Liquid Injected
R-404A HFC	460	3	60	Low Temp, Low Condensing
R-404A HFC	380/420	3	50	Medium Temp, Liquid Injected
R-404A HFC	380/420	3	50	Low Temp, Low Condensing

Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-404A HFC	380/420	3	50	Low Temp, Liquid Injected
R-404A HFC	460	3	60	Low Temp, Liquid Injected
R-507 HFC	460	3	60	Medium Temp, Liquid Injected
R-507 HFC	460	3	60	Low Temp, Low Condensing
R-507 HFC	380/420	3	50	Medium Temp, Liquid Injected
R-507 HFC	380/420	3	50	Low Temp, Low Condensing
R-507 HFC	380/420	3	50	Low Temp, Liquid Injected
R-507 HFC	460	3	60	Low Temp, Liquid Injected
R-22 HCFC	460	3	60	Medium Temp, Liquid Injected
R-22 HCFC	380/420	3	50	Medium Temp, Liquid Injected
R-22 HCFC	380/420	3	50	Low Temp, Liquid Injected