

## ZF40K4E-TWD

Replacement: ZF41K5E-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)	37500	25600
Power (W):	8500	7700
Current (Amps):	13.70	12.80
EER (Btu/Wh):	4.40	3.30
Mass Flow (lbs/hr):	500	340
<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):	158.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	24.0
Max Operating Current(Amp):	25.1
RLA, MCC/1.4;use for contactor selection (Amp):	17.1
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	15.4
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):	12.47
Displacment(ft^3/hr):	1515.21
Overall Length (in):	12.44
Overall Width (in):	14.50
Overall Height (in):	21.64
Mounting Length (in):	8.65
Mounting Width (in):	8.65
Mounting Height (in):	22.39 *
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):	212.0
Internal Free Volume (in^3):	1059.0
Horse Power:	13.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

### Capacitors

### Alternate Applications

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

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
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