

# ZR25K5E-TFD

HCFC, R-22, 60Hz, 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

Evap(°F)/Cond(°F)	45 / 130	50 / 100
RG(°F)/Liq(°F)	65 / 115	70 / 85
Capacity (Btu/hr)	25300	32800
Power (Watts):	2320	1555
Current (Amps):	3.50	2.65
EER (Btu/Wh):	10.90	21.10
Mass Flow (lbs/hr):	371	420
Sound Power (dBA):	68 Avg	73 Max
Vibration (mils(peak- Vibration (mils(peak- Record Date:	2.0 Avg	3.0 Max
	2014-03-06	

## Mechanical

Number of Cylinders:0	Displ(in <sup>3</sup> /Rev):	2.08
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):
Stroke(in):	0.00	252.66
Overall Length (in):	9.50	Mounting Length (in):
Overall Width (in):	9.50	7.50
Overall Height (in):	15.86	Mounting Width (in):
		7.50
		Mounting Height (in):
		16.08 *
Suction Size (in):	3/4 Stub	
Discharge Size (in):	1/2 Stub	
Oil Recharge (oz):	19	
Initial Oil Charge (oz):	25	
Net Weight (lbs):	48.8	
Internal Free Volume (in <sup>3</sup> ):	122.8	
Horse Power:		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

## Electrical

LRA-High*:	29.0	MCC (Amps):	6.5	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	
LRA Low*:		Max Operating Current:	5.0		
RLA(=MCC/1.4;use for contactor selection):		4.6			
RLA(=MCC/1.56;use for breaker & wire size)		4.2			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

## Alternate Applications

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

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## Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	527-0044-15	1	SPACER-MOUNTING ASSM	
99	529-0060-24	1	POWER CABLE-MOLDED PLUG	
99	918-0052-00	1	CRANKCASE HEATER KIT	240V 40W WRAP AROUND
99	918-0052-01	1	CRANKCASE HEATER KIT	120V 40W WRAP AROUND

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### Accessories

<u>PartNumber</u>	<u>Description</u>
018-0094-00	Crankcase Heater, 240V, 40W
018-0094-01	Crankcase Heater, 120V, 40W
018-0094-03	Crankcase Heater, 480V, 40W, 21.25" Lead Length
018-0094-04	Crankcase Heater, 575V, 40W, 21.25" Lead Length
018-0094-00	Crankcase Heater, 240V, 40W
018-0094-01	Crankcase Heater, 120V, 40W
018-0094-04	Crankcase Heater, 575V, 40W, 21.25" Lead Length

**Common U.S. Service Bill Of Materials**

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
800	Stub	3/4"	Stub	1/2"		Yes	-	-	-	-	-
830	Stub	3/4"	Stub	1/2"		Yes	-	-	-	-	-

\* Note: For all other Bill Of Material descriptions (Including International and Customer Specific Bills of Materials) contact your sales representative or the Application Engineering Department.