

# ZPD72KCE-TFD

HFC, R-410A, 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

## Mechanical

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	71500	88000
Power (Watts):	6800	4890
Current (Amps):	9.80	7.40
EER (Btu/Wh):	10.50	18.00
Mass Flow (lbs/hr):	1060	1090
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2005-12-13	

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	4.10
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	497.78
Stroke(in):	0.00		
Overall Length (in):	9.69	Mounting Length (in):	7.50
Overall Width (in):	9.69	Mounting Width (in):	7.50
Overall Height (in):	19.46	Mounting Height (in):	19.71 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		60	
Initial Oil Charge (oz):		64	
Net Weight (lbs):		90.2	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	75.0	MCC (Amps):	17.5	UL File No:
LRA-Half Winding:		RPM:	3500	UL File Date:
LRA Low*:		Max Operating Current:	15.0	
RLA(=MCC/1.4;use for contactor selection):		12.5		
RLA(=MCC/1.56;use for breaker & wire size selection):		11.2		
*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-410A HFC	50	3	380/420	Air Conditioning
R-410A HFC	50	3	380/420	A/C, 50% Load Of Compressor
R-410A HFC	60	3	460	A/C, 50% Load Of Compressor

**Common U.S. OEM 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
250	Stub	7/8"	Stub	1/2"	SCREW 1/2	-	-	-	-	-	-
265	Rotalock	1 1/4"	Rotalock	1"	SCREW 1/2	-	-	-	-	-	-

**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
830	Stub	7/8"	Stub	1/2"		Yes	-	-	-	-	-

**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
950	Stub	7/8"	Stub	1/2"	SCREW 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.

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## Accessories

<u>Category</u>	<u>PartNumber</u>	<u>Description</u>
Crankcase Heaters	018-0095-00	Crankcase Heater, 240V, 70W, 21" Lead Length
	018-0095-01	Crankcase Heater, 480V, 70W, 21" Lead Length
	018-0095-02	Crankcase Heater, 575V, 70W, 21" Lead Length
	018-0095-03	Crankcase Heater, 240V, 70W, 32" Lead Length
	018-0095-04	Crankcase Heater, 240V, 70W, 48" Lead Length
	018-0095-05	Crankcase Heater, 480V, 70W, 48" Lead Length
	018-0095-06	Crankcase Heater, 575V, 70W, 48" Lead Length
	018-0095-07	Crankcase Heater, 120V, 70W, 48" Lead Length
	018-0095-08	Crankcase Heater, 400V, 70W, 48" Lead Length
018-0095-09	Crankcase Heater, 277V, 70W, 21" Lead Length	
Digital Components	543-0024-01	Digital Compressor Controller