

# ZP154KCE-TFD

HFC, R-410A, 60Hz, 3- Phase, 460 V

Air Conditioning



**Production Status:** Non U.S. model with restricted sales - Contact your Emerson Climate Technologies Representative.

## Performance

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	155000	190000
Power (Watts):	14000	10200
Current (Amps):	21.00	16.50
EER (Btu/Wh):	11.10	18.80
Mass Flow (lbs/hr):	2290	2360
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak-peak)):	3.0 Avg	4.5 Max
Record Date:	2015-03-11	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	8.72
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1059.85
Stroke(in):	0.00		
Overall Length (in):	10.38	Mounting Length (in):	7.50
Overall Width (in):	11.23	Mounting Width (in):	7.50
Overall Height (in):	21.72	Mounting Height (in):	23.03 *
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Oil Recharge (oz):	106		
Initial Oil Charge (oz):	110		
Net Weight (lbs):	143		
Internal Free Volume (in <sup>3</sup> ):	856.0		
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	150.0	MCC (Amps):	35.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	31.0		
RLA(=MCC/1.4;use for contactor selection):	25				
RLA(=MCC/1.56;use for breaker & wire size selection):	22.4				
*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

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### Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
2	527-0210-00	1	SPACER-MOUNTING ASSM	
99	529-0099-00	1	POWER CABLE-MOLDED PLUG	
15	910-0715-00	1	OIL ADJUSTMENT VALVE KIT	
1	918-0047-00	1	HEATER-CRANKCASE	120V 90W WRAP AROUND
1	918-0047-01	1	HEATER-CRANKCASE	240V 90W WRAP AROUND
16	921-0227-00	1	CONNECTOR BLOCK KIT	
11	998-0010-00	1	ALL AC SCROLL SG KIT	
14	998-0034-02	1	ADAPTR 7/8 ID TO 11/4-12	DISCHARGE SWEAT TO ROTALOCK
14	998-0034-04	1	ADPTR 13/8 ID TO 13/4-12	SUCTION SWEAT TO ROTALOCK
14	998-0034-08	1	ADPTR 11/4-12 TO 7/8 ID	DISCHARGE ROTALOCK TO SWEAT
14	998-0034-13	1	ADPTR 13/4-12 TO 13/8 ID	SUCTION ROTALOCK TO SWEAT
9	998-0510-46	1	SERV VALVE KIT 1 3/8 SWT	SUCTION
8	998-0510-64	1	SERV VALVE KIT 7/8 SWT	DISCHARGE
99	998-7029-00	1	HTR JUNCTION BOX KIT	

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## Accessories

<u>PartNumber</u>	<u>Description</u>
020-0028-02	1 1/4" - 12 discharge valve seal
020-0028-03	1 3/4" - 12 valve seal
510-0080-04	3/4" discharge valve (solder)
510-0080-07	7/8" discharge valve (solder)
510-0330-00	Discharge Valve-Rotalock Assm
510-0330-01	1 1/8" suction valve (solder)
527-0210-00	Spacer Mounting Kit, 55-65 Durometer, 1.62" OD, 0.44" ID, 1.75" Height
998-0510-02	Suction Valve Kit, includes 1 1/8" rotalock suction service valve (510-0330-01) and 1 3/4" - 12 suction valve seal (020-0028-03)
998-0510-38	Service Valve Kit, Includes 3/4" Rotalock Service Valve and 1 1/4"-12 Valve Seal
998-0510-39	Service Valve Kit, 1 1/4"-12 Thread to 7/8" Sweat
998-0510-46	Service Valve Kit, 1 3/4"-12 Thread to 1 3/8" Sweat
998-5100-24	Suction & Discharge Valve Kit, includes rotalock suction and discharge service valves and seals. 1 1/8" Suction Valve, 3/4" Discharge Valve, 1 3/4" - 12 Suction Valve Seal, 1 1/4" - 12 Discharge Valve Seal
998-5100-25	Suction & Discharge Valve Kit, includes rotalock suction and discharge service valves and seals. 1 3/8" Suction Valve, 3/4" Discharge Valve, 1 3/4" - 12 Suction Valve Seal, 1 1/4" - 12 Discharge Valve Seal
998-5100-27	Service Valve Kit, 1 3/4"-12 Thread to 1 3/8" Sweat and 1 1/4"-12 Thread to 7/8" Sweat

**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						-	-	-	-	-	-
265						-	-	-	-	-	-

**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
855	Stub	1 3/8"	Stub	7/8"		Yes	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						-	-	-	-	-	-
965						-	-	-	-	-	-

\* 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.