

# ZP104KCE-TF5

HFC, R-410A, 60 Hz, 3 -Phase, 200/230 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

Evaporator Temp. (°F)	45	35
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	105
Capacity (Btu/hr)	106000	94000
Power (W):	9380	8300
Current (Amps):	27.20	24.90
EER (Btu/Wh):	11.30	11.35
Mass Flow (lbs/hr):	1565	1310
<u>Sound Data @</u>		
Sound Power (dBA):	77 Avg	82 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2017-03-22	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	5.88
Displacment(ft <sup>3</sup> /hr):	714.46
Overall Length (in):	11.70
Overall Width (in):	10.33
Overall Height (in):	22.00
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	22.75 *
Suction Size (in),Type:	1 1/8 Stub
Discharge Size (in),Type:	7/8 Stub
Initial Oil Charge (oz):	85
Oil Recharge (oz):	81
Net Weight (lbs):	105.8
Internal Free Volume (in <sup>3</sup> ):	440.0
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

## Electrical

LRA-High*(Amp):	240.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	44.0
Max Operating Current(Amp):	35.5
RLA, MCC/1.4;use for contactor selection (Amp):	31.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	28.2
RPM:	3500
UL File No:	
UL File Date:	
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

## Capacitors

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-410A HFC	200/220	3	50	Air Conditioning

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### Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	527-0221-00	1	SPACER-MOUNTING ASSM	
	529-0099-00	1	POWER CABLE-MOLDED PLUG	
99	910-0715-00	1	OIL ADJUSTMENT VALVE KIT	
	918-0043-00	1	HEATER-CRANKCASE	240V 70W WRAP AROUND
99	918-0043-01	1	HEATER-CRANKCASE	480V 70W WRAP AROUND
	921-0227-00	1	CONNECTOR BLOCK KIT	
99	998-0010-00	1	ALL AC SCROLL SG KIT	
	998-0034-02	1	ADAPTR 7/8 ID TO 11/4-12	DISCHARGE SWEAT TO ROTALOCK
99	998-0034-03	1	ADPTR 11/8 ID TO 13/4-12	SUCTION SWEAT TO ROTALOCK
	998-0034-08	1	ADPTR 11/4-12 TO 7/8 ID	DISCHARGE ROTALOCK TO SWEAT
99	998-0034-10	1	ADPTR 13/4-12 TO 11/8 ID	SUCTION ROTALOCK TO SWEAT
	998-0510-90	1	SERV VALVE KIT 7/8 SWT	SUCTION ROTALOCK
99	998-0510-98	1	SERV VALVE KIT 1/2 SWT	DISCHARGE ROTALOCK
	998-7024-00	1	HEATER JUNCTION BOX KIT	

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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