

ZPT108K5E-TF5

Tandem



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	50
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	70
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	108000	146500
Power (W):	10150	6790
Current (Amps):	28.80	20.90
EER (Btu/Wh):	10.65	21.55
Mass Flow (lbs/hr):	1590	1800
<u>Sound Data @</u>		
Sound Power (dBA):	71 Avg	76 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2009-12-01	

Mechanical

Displacment(in ³ /Rev):	6.24
Displacment(ft ³ /hr):	758.33
Overall Length (in):	24.29
Overall Width (in):	11.43
Overall Height (in):	18.40
Mounting Length (in):	21.50
Mounting Width (in):	7.50
Mounting Height (in):	18.67 *
Suction Size (in),Type:	1 1/8 Stub
Discharge Size (in),Type:	3/4 Stub
Initial Oil Charge (oz):	84
Oil Recharge (oz):	76
Net Weight (lbs):	136.4
Internal Free Volume (in ³):	
Horse Power:	

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA-High*(Amp):	
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	
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>
2	527-0150-00	1	SPACER-MOUNTING ASSM	
2	527-0212-00	2	SPACER-MOUNTING KIT	
1	918-0041-00	2	HEATER-CRANKCASE	240V 40W WRAP AROUND
1	918-0041-01	2	HEATER-CRANKCASE	120V 40W WRAP AROUND
15	ZPT108K5E-TF5-830	1	WELD COMP	

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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
	018-0096-00	Crankcase Heater, 240V, 40W, 21.75" Lead Length
	018-0096-01	Crankcase Heater, 120V, 40W, 21.75" Lead Length
	018-0096-02	Crankcase Heater, 480V, 40W, 21.75" Lead Length
	018-0096-03	Crankcase Heater, 575V, 40W, 21.75" Lead Length
	018-0096-04	Crankcase Heater, 240V, 40W, 48.25" Lead Length
	018-0096-05	Crankcase Heater, 480V, 40W, 48.25" Lead Length
	018-0096-06	Crankcase Heater, 240V, 40W, 31.75" Lead Length

ZPT108K5E-TF5- Bill Of Material



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	1 1/8"	Stub	3/4"		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.