

ZP120KCE-TFE

HFC, R-410A, 60Hz, 3- Phase, 575 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	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	121000	149000
Power (Watts):	11100	7750
Current (Amps):	12.70	9.60
EER (Btu/Wh):	10.90	19.20
Mass Flow (lbs/hr):	1780	1840
Sound Power (dBA):	79 Avg	84 Max
Vibration (mils(peak-peak)):	3.0 Avg	4.5 Max
Record Date:	2006-06-21	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	6.93
Bore Size(in):	0.00	Displ(ft^3/hr):	842.31
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):	21.00	Mounting Height (in):	21.75 *
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):	132		
Internal Free Volume (in^3):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	80.0	MCC (Amps):	20.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	18.0		
RLA(=MCC/1.4;use for contactor selection):	14.3				
RLA(=MCC/1.56;use for breaker & wire size selection):	12.8				
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
2	527-0116-00	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
1	918-0047-02	1	HEATER-CRANKCASE	480V 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 ROTALOCK
8	998-0510-64	1	SERV VALVE KIT 7/8 SWT	DISCHARGE ROTALOCK
99	998-7029-00	1	HTR JUNCTION BOX KIT	

Scott Kohler

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Accessories

<u>Category</u>	<u>PartNumber</u>	<u>Description</u>
Miscellaneous	020-0028-02	1 1/4" - 12 discharge valve seal
	020-0028-03	1 3/4" - 12 valve seal
Mounting	527-0210-00	Spacer Mounting Kit, 55-65 Durometer, 1.62" OD, 0.44" ID, 1.75" Height
Service Valves and	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)
	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
265	Rotalock	1 3/4"	Rotalock	1 1/4"	SCREW	-	-	-	-	-	-
250	Stub	1 3/8"	Stub	7/8"	SCREW	-	-	-	-	-	-

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	Stub	1 3/8"	Stub	7/8"	SCREW	Yes	Yes	-	-	-	-
965	Rotalock	1 3/4"	Rotalock	1 1/4"	SCREW	Yes	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.**