

ZP296KCE-TED

HFC, R-410A, 60 Hz, 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

Evaporator Temp. (°F)	45	35
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	105
Capacity (Btu/hr)	298000	264000
Power (W):	26900	23700
Current (Amps):	38.25	34.35
EER (Btu/Wh):	11.10	11.10
Mass Flow (lbs/hr):	4360	3670
<u>Sound Data @</u>		
Sound Power (dBA):	90 Avg	95 Max
Vibration mils(peak-peak):	3.5 Avg	5.0 Max
Record Date:	2017-03-22	

Mechanical

Displacment(in ³ /Rev):	16.31
Displacment(ft ³ /hr):	1981.88
Overall Length (in):	15.08
Overall Width (in):	15.38
Overall Height (in):	27.34
Mounting Length (in):	10.50
Mounting Width (in):	10.50
Mounting Height (in):	28.09 *
Suction Size (in),Type:	1 5/8 Stub
Discharge Size (in),Type:	1 1/8 Stub
Initial Oil Charge (oz):	152
Oil Recharge (oz):	142
Net Weight (lbs):	292.6
Internal Free Volume (in ³):	1312.0
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical

LRA-High*(Amp):	320.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	59.0
Max Operating Current(Amp):	51.0
RLA, MCC/1.4;use for contactor selection (Amp):	42.1
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	37.8
RPM:	3500
UL File No:	SA-2337
UL File Date:	2000-11-28
*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	380/420	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>
17	005-0892-00	1	COVER-TERMINAL BOX	
1	018-0091-25	1	HEATER-CRANKCASE	240V 120W WRAP AROUND
1	018-0091-26	1	HEATER-CRANKCASE	480V 120W WRAP AROUND
1	018-0091-27	1	HEATER-CRANKCASE	120V 137W WRAP AROUND
1	018-0091-28	1	HEATER-CRANKCASE	575V 120W WRAP AROUND
2	527-0175-02	1	SPACER-MOUNTING ASSM.	
2	527-0178-00	1	SPACER-MOUNTING KIT	FOR TANDEM USE
	529-0102-00	1	HARNESS-LOW VOLT CNTRL	
16	562-0094-00	1	T-BOX COVER ASSM	
	910-0715-00	1	OIL ADJUSTMENT VALVE KIT	
99	921-0223-00	1	CONNECTOR BLOCK KIT	
14	934-0002-00	1	ADPT 13/4 ROTO TO 13/8	DISCHARGE ADAPTER KIT 13/4 -12 TH
14	934-0002-04	1	ADPT SUCT AND DISCH	ADAPTER KIT CONTAINS SUCTION
7	962-0001-03	1	CC HEATER JUNCTION BOX	
99	971-0064-05	1	KIT-115/240V MODULE	
	971-0065-04	1	KIT 24 V MODULE	
15	974-0001-00	1	DISCH LINE CLAMP TANDEM	FOR TANDEM USE
11	998-0010-00	1	ALL AC SCROLL SG KIT	
14	998-0034-12	1	ADPTR 21/4-12 TO 15/8 ID	SUCTION ADAPTER KIT 21/4 -12 THD
8	998-0510-46	1	SERV VALVE KIT 1 3/8 SWT	ROTALOCK DISCHARGE
9	998-0510-68	1	SERV VALVE KIT 1 5/8 SWT	ROTALOCK SUCTION

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Accessories

<u>Category</u>	<u>PartNumber</u>	<u>Description</u>
Crankcase Heaters	018-0091-25	Crankcase Heater, 240V, 120W
	018-0091-26	Crankcase Heater, 480V, 120W
	018-0091-27	Crankcase Heater, 120V, 137W
	018-0091-28	Crankcase Heater, 575V, 120W

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	1 3/8"	SCREW	-	Yes	-	-	-	-
251			Stub	1 3/8"	SCREW	-	Yes	-	-	-	-
265	Rotalock	2 1/4"	Rotalock	1 3/4"	SCREW	-	Yes	-	-	-	-
266	Rotalock	2 1/4"			SCREW	-	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
951			Stub	1 3/8"	SCREW	Yes	Yes	-	-	-	-
966	Rotalock	2 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.