

ZRD94KCE-TF5

HFC, R-407C, 60Hz, 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

Evap(°F)/Cond(°F)	45 / 130	45 / 100
	65 / Jasper_SubC	65 / Jasper_SubC
Capacity (Btu/hr)	92000	91000
Power (Watts):	8150	5600
Current (Amps):	25.80	19.30
EER (Btu/Wh):	11.30	19.50
Mass Flow (lbs/hr):	1340	1360
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak- Vibration (mils(peak- Record Date:	2.5 Avg 2010-12-23	4.0 Max
<u>Jasper_RGSubCool</u>		

Mechanical

Number of Cylinders:0	Displ(in^3/Rev):	7.76
Bore Size(in):	0.00	Displ(ft^3/hr): 942.69
Stroke(in):	0.00	
Overall Length (in):	11.54	Mounting Length (in): 7.50
Overall Width (in):	11.23	Mounting Width (in): 7.50
Overall Height (in):	18.75	Mounting Height (in): 19.50 *
Suction Size (in):	1 1/8 Stub	
Discharge Size (in):	7/8 Stub	
Oil Recharge (oz):	81	
Initial Oil Charge (oz):	85	
Net Weight (lbs):	127	
Internal Free Volume (in^3):		
Horse Power:		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical

LRA-High*:	195.0	MCC (Amps):	45.0	UL File No:
LRA-Half Winding:		RPM:		UL File Date:
LRA Low*:		Max Operating Current:	31.8	
RLA(=MCC/1.4;use for contactor selection):			32.1	
RLA(=MCC/1.56;use for breaker & wire size)			28.8	
*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-22 HCFC	60	3		Air Conditioning
R-22 HCFC	50	3		Air Conditioning
R-22 HCFC	60	3		A/C, 50% Load Of Compressor
R-22 HCFC	50	3		A/C, 50% Load Of Compressor
R-407C HFC	50	3	200/220	A/C, 50% Load Of Compressor
R-407C HFC	60	3	200/230	A/C, 50% Load Of Compressor
R-407C HFC	50	3	200/220	Air Conditioning

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	527-0116-00	1	SPACER-MOUNTING ASSM	
99	910-0182-00	1	VALVE-SOLENOID	
99	910-0715-00	1	OIL ADJUSTMENT VALVE KIT	
99	998-0060-03	1	KIT-HOLDING COIL	24 VOLT
99	998-0060-04	1	KIT-HOLDING COIL	120 VOLT
99	998-0060-05	1	KIT-HOLDING COIL	220 VOLT

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Accessories

<u>PartNumber</u>	<u>Description</u>
543-0024-01	Digital Compressor Controller

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 1/8"	Stub	7/8"	SCREW	-	-	-	-	-	-
265	Rotalock	1 3/4"	Rotalock	1 1/4"	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
950	Stub	1 1/8"	Stub	7/8"	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.