

ZR190KCE-TED

HFC, R-134a, 60Hz, 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

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	127000	149000
Power (Watts):	11300	8350
Current (Amps):	21.40	17.60
EER (Btu/Wh):	11.20	17.90
Mass Flow (lbs/hr):	2010	2030
Sound Power (dBA):	83 Avg	88 Max
Vibration (mils(peak-peak)):	3.0 Avg	4.5 Max
Record Date:	2014-09-22	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	15.20
Bore Size(in):	0.00	Displ(ft^3/hr):	1847.47
Stroke(in):	0.00		
Overall Length (in):	12.93	Mounting Length (in):	7.50
Overall Width (in):	11.73	Mounting Width (in):	7.50
Overall Height (in):	22.21	Mounting Height (in):	23.02 *
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Oil Recharge (oz):	110		
Initial Oil Charge (oz):	114		
Net Weight (lbs):	143		
Internal Free Volume (in^3):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	173.0	MCC (Amps):	40.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	34.0		
RLA(=MCC/1.4;use for contactor selection):	28.6				
RLA(=MCC/1.56;use for breaker & wire size selection):	25.6				
*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-407C HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning
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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
2	527-0210-00	1	SPACER-MOUNTING ASSM	
99	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
99	971-0064-05	1	KIT 110 V MODULE	120/240V MODULE
99	971-0065-04	1	KIT 24 V MODULE	24V MODULE
11	998-0010-00	1	ALL AC SCROLL SG KIT	
13	998-0034-02	1	ADAPTR 7/8 ID TO 11/4-12	DISCHARGE SWEAT TO ROTALOCK
13	998-0034-02	1	ADAPTR 7/8 ID TO 11/4-12	DISCHARGE SWEAT TO ROTALOCK
13	998-0034-04	1	ADPTR 13/8 ID TO 13/4-12	SUCTION SWEAT TO ROTALOCK
13	998-0034-04	1	ADPTR 13/8 ID TO 13/4-12	SUCTION SWEAT TO ROTALOCK
13	998-0034-07	1	ADPTR 11/4-12 TO 3/4 ID	DISCHARGE ROTALOCK TO SWEAT
13	998-0034-08	1	ADPTR 11/4-12 TO 7/8 ID	DISCHARGE ROTALOCK TO SWEAT
13	998-0034-10	1	ADPTR 13/4-12 TO 11/8 ID	SUCTION ROTALOCK TO SWEAT
13	998-0034-13	1	ADPTR 13/4-12 TO 13/8 ID	SUCTION ROTALOCK TO SWEAT

Scott Kohler

Page 1 of 1

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Accessories

PartNumber	Description
018-0067-03	Crankcase Heater, 575V, 90W, Wrap Around, 48" Lead Length
018-0091-00	Crankcase Heater, 120V, 90W, 48"
018-0091-01	Crankcase Heater, 240V, 90W, 48"
018-0091-02	Crankcase Heater, 480V, 90W, 48"
020-0028-02	1 1/4" - 12 discharge valve seal
020-0028-03	1 3/4" - 12 valve seal
085-0160-00	3 Phase Voltage Monitor. For use with all Copeland 3 Phase Compressors. Consult model family nomenclature for electrical definition in the model number.
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)
527-0210-00	Spacer Mounting Kit, 55-65 Durometer, 1.62" OD, 0.44" ID, 1.75" Height
998-0243-00	Thermostat Kit, contains both thermostats for models manufactured both before, & after 89G date code
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
998-E022-01	Polyol Ester Oil. Approved for use with specific Copeland Hermetic & Semi Hermetic models. Consult specific model family nomenclatures for oil identifier in the model number.