

ZR190KCE-TED

HFC, R-407C, 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
	65 / Jasper_SubC	65 / Jasper_SubC
Capacity (Btu/hr)	22000	22000
Power (Watts):	16650	12150
Current (Amps):	26.20	21.35
EER (Btu/Wh):	10.90	18.10
Mass Flow (lbs/hr):	2630	2740
Sound Power (dBA):	83 Avg	88 Max
Vibration (mils(peak- Record Date: 2014-03-20	3.0 Avg	4.5 Max
Jasper_RGSubCool		

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):	44.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	34.0		
RLA(=MCC/1.4;use for contactor selection):	31.4				
RLA(=MCC/1.56;use for breaker & wire size	28.2				
*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-134a HFC	50	3	380/420	Air Conditioning
R-134a HFC	60	3	460	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning

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Accessories

<u>PartNumber</u>	<u>Description</u>
018-0067-03	Crankcase Heater, 575v, 90w, wrap around, 48" leads.
018-0091-00	Crankcase Heater, 120 volts, 90 watts, 48 inch
018-0091-01	Crankcase Heater, 240 volts, 90 watts, 48 inch
018-0091-02	Crankcase Heater, 480 volts, 90 watts, 48 inch
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	Kit: Spacer Mounting, 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	Kit: Service Valve, Includes 3/4" Rotalock Service Valve and 1 1/4"-12 Valve Seal
998-0510-39	Kit: Service Valve, Includes 7/8" Rotalock Service Valve and 1 1/4"-12 Valve Seal
998-0510-46	Kit: Service Valve, Includes Service Valve and Seal, Rotalock, 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	Kit: Service Valve, Includes Rotalock Service Valves and seals, 1 3/8" Valve, 7/8" Valve, 1 3/4"-12 Valve Seal, 1 1/4" Valve Seal
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.