

ZR250KCE-TE5

HCFC, R-22, 60 Hz, 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
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	250000	291000
Power (Watts):	21700	16100
Current (Amps):	66.60	51.60
EER (Btu/Wh):	11.50	18.10
Mass Flow (lbs/hr):	3660	3740
<u>Sound Data</u>		
Sound Power (dBA):	88 Avg	93 Max
Vibration (mils(peak-peak)):	3.5 Avg	5.0 Max
Record Date:	2014-09-22	

Mechanical

Number of Cylinders:	0	Displ(in^3/Rev):	19.84
Bore Size(in):	0.00	Displ(ft^3/hr):	2410.99
Stroke(in):	0.00		
Overall Length (in):	16.80	Mounting Length (in):	10.50
Overall Width (in):	14.80	Mounting Width (in):	10.50
Overall Height (in):	28.60	Mounting Height (in):	29.00 *
Suction Size (in):	1 5/8 Stub		
Discharge Size (in):	1 3/8 Stub		
Oil Recharge (oz):	148		
Initial Oil Charge (oz):	158		
Net Weight (lbs):	306		
Internal Free Volume (in^3):			
Horse Power:	20		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	505.0	MCC (Amps):	114.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	28-Nov-2000
LRA Low*:		Max Operating Current:	95.0		
RLA(=MCC/1.4;use for contactor selection):		81.4			
RLA(=MCC/1.56;use for breaker & wire size		73.1			
*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	60	3	200/230	Air Conditioning
R-407C HFC	60	3	200/230	Air Conditioning

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
16	005-1069-02	1	LCS T-BOX COVER	
99	062-0439-00	1	BOX-TERMINAL	
2	527-0175-02	1	SPACER-MOUNTING ASSM.	
2	527-0178-00	1	SPACER-MOUNTING KIT	FOR TANDEM USE
99	529-0102-00	1	HARNESS-LOW VOLT CNTRL	
1	918-0056-04	1	HEATER KIT 240 VOLT	240V 120W WRAP AROUND
1	918-0056-05	1	HEATER KIT 480 VOLT	480V 120W WRAP AROUND
1	918-0056-06	1	HEATER KIT 120 VOLT	120V 120W WRAP AROUND
1	918-0056-07	1	HEATER KIT 575 VOLT	575V 120W WRAP AROUND
17	934-0002-00	1	ADPT 13/4 ROTO TO 13/8	DISCHARGE ADAPTER KIT 13/4 -12 THD
17	934-0002-04	1	ADPT SUCT AND DISCH	ADAPTER KIT CONTAINS SUCTION
9	962-0001-03	1	CC HEATER JUNCTION BOX	
11	970-0021-00	1	SIGHT GLASS KIT	
99	971-0064-05	1	KIT-115/240V MODULE	
99	971-0065-04	1	KIT 24 V MODULE	
19	974-0001-00	1	DISCH LINE CLAMP TANDEM	FOR TANDEM USE
17	998-0034-12	1	ADPTR 21/4-12 TO 15/8 ID	SUCTION ADAPTER KIT 21/4 -12 THD
7	998-0510-46	1	SERV VALVE KIT 1 3/8 SWT	DISCHARGE
8	998-0510-68	1	SERV VALVE KIT 1 5/8 SWT	SUCTION

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Accessories

<u>Category</u>	<u>PartNumber</u>	<u>Description</u>
Crankcase Heaters	018-0068-00	Crankcase Heater, 240V, 120W, 28" Lead Length
	018-0068-01	Crankcase Heater, 480V, 120W, 28" Lead Length
	018-0068-02	Crankcase Heater, 120V, 120W, 28" Lead Length
	018-0068-03	Crankcase Heater, 575V, 120W, 28" Lead Length
	962-0001-03	Crankcase Heater Junction Box.
Miscellaneous	974-0001-00	Tandem discharge clamp kit.
Mounting	527-0175-02	Mounting Kit, (Standard With Every Compressor Shipment)
	527-0178-00	Mounting Kit, Tandem Assembly (Standard With Every Tandem Shipment)
Service Valves and	934-0002-00	Fitting Adapter Kit, Discharge, 1-3/4" X 12UN Rotalock to 1-3/8" ID Stub Tube
	934-0002-01	Fitting Adapter Kit, Suction, 2-1/4" X 12UN Rotalock to 1-5/8" ID Stub Tube
	934-0002-04	Fitting Adapter Kit, Discharge & Suction
	998-0510-46	Service Valve Kit, 1 3/4"-12 Thread to 1 3/8" Sweat
	998-0510-68	Service Valve, Suction (510-0402-00)