

ZR300KCE-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)	20300	99200
Power (Watts):	25700	18500
Current (Amps):	37.20	28.30
EER (Btu/Wh):	11.40	19.00
Mass Flow (lbs/hr):	4260	4360
Sound Power (dBA):	90 Avg	95 Max
Vibration (mils(peak-avg)):	3.0 Avg	4.5 Max
Record Date:	2014-03-20	
<u>Jasper_RGSubCool</u>		

Mechanical

Number of Cylinders:0	Displ(in ³ /Rev):	23.47
Bore Size(in):	0.00	Displ(ft ³ /hr): 2852.26
Stroke(in):	0.00	
Overall Length (in):	17.60	Mounting Length (in): 10.50
Overall Width (in):	16.80	Mounting Width (in): 10.50
Overall Height (in):	28.50	Mounting Height (in): 28.90 *
Suction Size (in):	2 1/8 Stub	
Discharge Size (in):	1 3/8 Stub	
Oil Recharge (oz):	203	
Initial Oil Charge (oz):	213	
Net Weight (lbs):	406	
Internal Free Volume (in ³):		
Horse Power:	25	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical

LRA-High*:	250.0	MCC (Amps):	68.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	28-Nov-2000
LRA Low*:		Max Operating Current:	48.0		
RLA(=MCC/1.4;use for contactor selection):			48.6		
RLA(=MCC/1.56;use for breaker & wire size)			43.6		
*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-22 HCFC	60	3	460	
R-22 HCFC	50	3	380/420	
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>
018-0068-04	Crankcase Heater, 480V, 150W, 28" Lead Length
018-0068-05	Crankcase Heater, 240V, 150W, 28" Lead Length
018-0068-06	Crankcase Heater, 120V, 150W, 28" Lead Length
018-0068-07	Crankcase Heater, 575V, 150W, 28" Lead Length
527-0175-00	Mounting Kit, (Standard With Every Compressor Shipment)
527-0178-00	Mounting Kit, Tandem Assembly (Standard With Every Tandem Shipment)
934-0002-00	Fitting Adapter Kit, Discharge, 1-3/4" X 12UN Rotalock to 1-3/8" ID Stub Tube
934-0002-02	Fitting Adapter Kit, Suction, 2-1/8" ID 4-Bolt Flange to 2-1/8" ID Stub Tube
934-0002-03	Fitting Adapter Kit, Discharge & Suction
962-0001-03	Crankcase Heater Junction Box.
974-0001-00	Tandem discharge clamp kit.
998-0510-46	Service Valve Kit, 1 3/4"-12 Thread to 1 3/8" Sweat
998-0511-01	Service Valve, Suction (510-0194-00)