

ZP67KCE-TF5

HFC, R-410A, 60 Hz, 3 - Phase, 200/230 V [. Also Available with Variable Frequency Drives](#)

Air Conditioning

Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Summary

Performance		
Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (BTU/hr)	67500	83000
Power (W):	6250	4370
Current (Amps):	18.2	14
EER(BTU/Wh):	10.8	19
Mass Flow (lbs/hr):	995	1030
Sound Data @		
Sound Power (dBA):	75 Avg	80 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2004-07-14	
Mechanical		
Displacement (in^3/Rev):	3.84	
Displacement (ft^3/Hr):		
Overall Length (in):	9.69	
Overall Width (in):	9.69	
Overall Height (in):	17.91	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	

Mounting Height (in):	18.16
Suction Size (in),Type:	7 / 8 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	60
Oil Recharge (oz):	56
Net Weight (lbs):	88.0
Internal Free Volume (in^3):	264.5

Horse Power:

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

LRA High* (Amps):	149.0
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	35
Max Operating Current (Amps):	25.0
RLA, MCC/1.4(use for contactor selection)(Amps):	25.0
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	22.4
RPM:	3500
Box IP :	21
UL File No:	
UL File Date:	1993-07-26

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
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No data available in table

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-410A HFC	200/220	3	50	Air Conditioning

Service Parts

Reference	Component	Quantity	Description	Comment
1	918-0043-00	1	HEATER-CRANKCASE	240V 70W WRAP AROUND
1	918-0043-01	1	HEATER-CRANKCASE	480V 70W WRAP AROUND
2	527-0116-00	1	SPACER-MOUNTING ASSM	
7	998-0510-98	1	VLV KIT 1/2"SWT/1-14UNC	DISCHARGE ROTALOCK
8	998-0510-90	1	VLV KIT 7/8"SWT / 11/4-12UNC	SUCTION ROTALOCK
9	998-7024-00	1	HEARTER JUNCTION BOX KIT	
99	529-0060-24	1	POWER CABLE-MOLDED PLUG	
99	921-0234-00	1	CONNECTOR BLOCK KIT	
99	998-0034-02	1	SERV ADAPTOR KIT 7/8 STUB	SWEAT TO ROTALOCK ADAPTER KIT SUCTION
99	998-0034-08	1	ADPTR 11/4-12 TO 7/8 ID	ROTALOCK TO SWEAT ADAPTER KIT SUCTION

Accessories

Accessories

Category	Part Number	Description
(1) Variable Frequency Drive	EVH-322031-R21BDN	EVH, 3Ø, 200-240v, Output 200-240v@31A, LCD Keypad, IP21, With 5% DC Link Choke, No Options, Frame 2
(1) Variable Frequency Drive	EVH-322031-R21BEN	EVH, 3Ø, 200-240v, Output 200-240v@31A, LCD Keypad, IP21, With 5% DC Link Choke + EMI Filter, No Options, Frame 2
(1) Variable Frequency Drive	EVH-322031-R54BDN	EVH, 3Ø, 200-240v, Output 200-240v@31A, LCD Keypad, IP54, With 5% DC Link Choke, No Options, Frame 2
(1) Variable Frequency Drive	EVH-322031-R54BEN	EVH, 3Ø, 200-240v, Output 200-240v@31A, LCD Keypad, IP54, With 5% DC Link Choke + EMI Filter, No Options, Frame 2
(1) Variable Frequency Drive	EVH-322031-R21BDB	EVH, 3Ø, 200-240v, Output 200-240v@31A, LCD Keypad, IP21, With 5% DC Link Choke, With Bypass, Frame H2S
(1) Variable Frequency Drive	EVH-322031-R54BDB	EVH, 3Ø, 200-240v, Output 200-240v@31A, LCD Keypad, IP54, With 5% DC Link Choke, With Bypass, Frame H3X
Crankcase Heaters	018-0095-08	Crankcase Heater, 400V, 70W, 48" Lead Length
Crankcase Heaters	018-0095-07	Crankcase Heater, 120V, 70W, 48" Lead Length
Crankcase Heaters	018-0095-06	Crankcase Heater, 575V, 70W, 48" Lead Length

Category	Part Number	Description
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Electrical Components

Electrical Components	
Part No: 071-0519-23	
Usage Description: Internal Protector	
<u>Vendor Part Number</u>	
35HM155	
<u>Vendor Name</u>	
T. I.	
Part No: 071-0519-67	Stator
Usage Description: Internal Protector	Part No: 546-2093-66
<u>Vendor Part Number</u>	Usage Description: Stator
35HM417	Resistance: +/-7%
<u>Vendor Name</u>	Start Wdg: 0.56
T. I.	Run Wdg: 0.00
Stator	
Part No: 546-2122-04	
Usage Description: Stator	
Resistance: +/-7%	
Start Wdg: 0.51	
Run Wdg: 0.00	

Nomenclature

ZP67KCE-TF5
Family Series
Z: Scroll
Application Range
P: A/C - R-410A/B
Capacity
67K: Capacity Multiplier-1000
Oil Type
E: Polyol Ester
Motor Type
T: 3 Phase

Motor Protection**F:** Internal Inherent Protection**Voltage****5:** 60Hz (200/230-3) 50Hz (200/220-3)

Miscellaneous

Alternate Application

Refrigerant	Freq	Phase	Voltage	Application
HFC R-410A	50	3 Ø	200/220 V	R1 AC

Nomenclature

[ZP67KCE-TF5](#)

Date	Data Group	Field	Old Data	New Data
14-Jul-2004	Rating	PubCode		Y
15-Aug-2009	Mech	Cu In Per Rev		3.843
15-Aug-2009	Mech	Init Oil Charge		60
15-Aug-2009	Mech	Rech Oil Charge		56
16-May-2007	Mech	Init Oil Charge	56	60
16-May-2007	Mech	Rech Oil Charge	52	56
29-Jul-2004	Mech	CFH		467.032104