ZR68KCE-TF5

HCFC, R-22, 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)	70000	82000		
Power (W):	5950	4250		
Current (Amps):	17.5	13.6		
EER(BTU/Wh):	11.8	19.3		
Mass Flow (lbs/hr):	1030	1060		
Sound Data @				
Sound Power (dBA):	75 Avg	80 Max		
Vibration mils(peak-peak):	2.0 Avg	3.0 Max		
Record Date:	2014-03-06			
Mechanical				

Displacement (in^3/Rev):	5.68
Displacement (ft^3/Hr):	
Overall Length (in):	9.69
Overall Width (in):	9.69
Overall Height (in):	17.75
Mounting Length (in):	7.50
Mounting Width (in):	7.50

Mounting Height (in):	18.00			
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):	86.0			
Internal Free Volume (in^3):	362			
Horse Power:	5.5			
*Overall compressor height on Co	opeland Brand P	roduct's specifisca l	nounting grom	mets.
LRA High* (Amps):			156.0	
LRA Low*(Amps):				
LRA Half Winding (Amps):				
MCC (Amps):			29	
Max Operating Current (Amp	s):		25.0	
RLA, MCC/1.4(use for contact	or selection)(A	mps):	20.7	
RLA, MCC/1.56(use for break	er & wire size s	election)(Amps):	18.6	
RPM:			3500	
Box IP :			21	
			21 SA-2337	
Box IP :				
Box IP : UL File No:	nd high nominal	voltage ranges for	SA-2337 1993-07-26	or is approved.
Box IP : UL File No: UL File Date:	nd high nominal	voltage ranges for Capacitors	SA-2337 1993-07-26 which the mote	or is approved.
Box IP : UL File No: UL File Date:	nd high nominal Low MFD		SA-2337 1993-07-26 which the mote	or is approved. User Description
Box IP : UL File No: UL File Date: *Low and High refer to the low an	_	Capacitors	SA-2337 1993-07-26 which the moto	
Box IP : UL File No: UL File Date: *Low and High refer to the low an Type Part No	_	Capacitors	SA-2337 1993-07-26 which the moto s	
Box IP : UL File No: UL File Date: *Low and High refer to the low and Type Part No No data available in table	_	Capacitors High MFD	SA-2337 1993-07-26 which the moto s	
Box IP : UL File No: UL File Date: *Low and High refer to the low and Type Part No No data available in table Refrigerant Volume	Low MFD	Capacitors High MFD Alternate Applic	SA-2337 1993-07-26 which the moto s Volts	User Description
Box IP : UL File No: UL File Date: *Low and High refer to the low and Type Part No No data available in table Refrigerant Voor R-22 HCFC 20	Low MFD	Capacitors High MFD Alternate Applic Phase	SA-2337 1993-07-26 which the moto Volts cations Frequency	User Description Application

Service Parts

			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	

Accessories

Accessories				
Category	Part Number	Description		
(1) Variable	EVM-322025-	EVM, 3Ø, 200-240v, Output 200-240v@25A, Pro, IP20, Standard, No Options, Frame		
Frequency Drive	E20ENN	2		
(1) Variable	EVH-322025-	EVH, 3Ø, 200-240v, Output 200-240v@25A, LCD Keypad, IP21, With 5% DC Link		
Frequency Drive	R21BDB	Choke, With Bypass, Frame H2S		
(1) Variable	EVH-322025-	EVH, 3Ø, 200-240v, Output 200-240v@25A, LCD Keypad, IP54, With 5% DC Link		
Frequency Drive	R54BEN	Choke + EMI Filter, No Options, Frame 2		
(1) Variable	EVH-322025-	EVH, 3Ø, 200-240v, Output 200-240v@25A, LCD Keypad, IP54, With 5% DC Link		
Frequency Drive	R54BDN	Choke, No Options, Frame 2		
(1) Variable	EVH-322025-	EVH, 3Ø, 200-240v, Output 200-240v@25A, LCD Keypad, IP21, With 5% DC Link		
Frequency Drive	R21BEN	Choke + EMI Filter, No Options, Frame 2		
(1) Variable	EVH-322025-	EVH, 3Ø, 200-240v, Output 200-240v@25A, LCD Keypad, IP21, With 5% DC Link		
Frequency Drive	R21BDN	Choke, No Options, Frame 2		
(1) Variable	EVH-322025-	EVH, 3Ø, 200-240v, Output 200-240v@25A, LCD Keypad, IP54, With 5% DC Link		
Frequency Drive	R54BDB	Choke, With Bypass, Frame H3X		
(1) Variable	EVM-322025-	EVM, 3Ø, 200-240v, Output 200-240v@25A, Pro, IP20, With add on EMI filter, No		
Frequency Drive	E20EFN	Options, Frame 2		
(1) Variable	EVM-322025-	EVM, 3Ø, 200-240v, Output 200-240v@25A, Basic, IP20, With add on EMI filter, No		
Frequency Drive	N20MFN	Options, Frame 2		
(1) Variable	EVM-322025-	EVM, 3Ø, 200-240v, Output 200-240v@25A, Basic, IP20, Standard, No Options,		
Frequency Drive	N20MNN	Frame 2		

Electrical Components

	Sinponents
Part No: 071-0519-20	
Usage Description: Internal Protector	
<u>Vendor Part Number</u>	
35HM150	
Vendor Name	
т. I.	
Part No: 071-0679-01	Stator
Usage Description: Internal Protector	Part No: 546-2011-30
<u>Vendor Part Number</u>	Usage Description: Stator
35HM419	Resistance: +/-7%
Vendor Name	Start Wdg: 0.63
Т. І.	Run Wdg: 0.00
Stator	
Part No: 546-2093-59	
Usage Description: Stator	
Resistance: +/-7%	
Start Wdg: 0.56	
Run Wdg: 0.00	

Nomenclature

Family Series			
Z: Scroll			
Application Range			
R: A/C - R-22/407C/134a			
Capacity			
68K: Capacity Multiplier-1000			
Oil Type			
E: Polyol Ester			
Motor Type			
T: 3 Phase			
Motor Protection			
F: Internal Inherent Protection			
Voltage			

Miscellaneous

Alternate Application						
Refrigerant	Freq	Phase	Voltage	Application		
HCFC R-22	50	3 Ø	200/220 V	R1 AC		
HFC R-407C	50	3 Ø	200/220 V	R1 AC		
HFC R-407C	60	3 Ø	200/230 V	R1 AC		
Nomenclature						
ZR68KCE-TF5						
Date	Data Group	Field	Old Data	New Data		
27-Oct-2014	Elec	Hi LRA	156	156.0		