CR42K6E-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

Perf	ormance	
Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (BTU/hr)	41700	54500
Power (W):	3810	3010
Current (Amps):	11.6	10
EER(BTU/Wh):	11	18.1
Mass Flow (lbs/hr):	610	700
Sound Data @		
Sound Power (dBA):	76 Avg	81 Max
Vibration mils(peak-peak):	4.0 Avg	5.0 Max
Record Date:	2014-03-06	
Mee	hanical	
Displacement (in^3/Rev): 4.40		
Displacement (ft^3/Hr):		

Overall Length (in):	10.23
Overall Width (in):	9.65
Overall Height (in):	14.56
Mounting Length (in):	7.50
Mounting Width (in):	7.50

Sixetion Size (in), Type:3 / 4 StubDischarge Size (in), Type:1 / 2 Stubnitial Oil Charge coop:45Dil Recharge (oop:)69.0Net Weight (lbs):69.0Internal Free Volume (in*3):91.0Brand Product's gueedinder weight on topeland Brand Product's gueedinder					
Discharge Size (in), Type:1/2 Stubnitial Oli Charge (co:):4Oil Recharge (co:):6Oil Recharge (co:):6Net Weight (lbs):6Oil Recharge Note:9Note: State Sta	Mounting Height (in):	14.94			
ninial Ol Charge (oz): 43 Ale Weight (bz): 63. Net Weight (bz): 63. Thermal Free Volume (in*3): Harden Spower:	Suction Size (in),Type:	3 / 4 Stub			
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Alternate Applications Refrigerant Voltage Phase Frequency Application R-22 HCFC 200/220 3 50 Air Conditioning R-407C HFC 200/220 3 50 Air Conditioning	Type Part No	o Low MFD	High MFD	Volts	User Description
RefrigerantVoltagePhaseFrequencyApplicationR-22 HCFC200/220350Air ConditioningR-407C HFC200/220350Air Conditioning	No data available in table				
R-22 HCFC 200/220 3 50 Air Conditioning R-407C HFC 200/220 3 50 Air Conditioning			Alternate Applie	cations	
R-407C HFC 200/220 3 50 Air Conditioning	Refrigerant	Voltage	Phase	Frequency	Application
	R-22 HCFC	200/220	3	50	Air Conditioning
R-407C HFC 200/230 3 60 Air Conditioning	R-407C HFC	200/220	3	50	Air Conditioning
	R-407C HFC	200/230	3	60	Air Conditioning

Service Parts

Service Parts				
Reference	Component	Quantity	Description	Comment
1	527-0044-08	1	SPACER-MOUNTING ASSM	
10	918-0088-00	1	HEATER-CRANKCASE KIT	40/49W 240/265V FLEXIBLE
12	568-2010-00	1	C SERVICE KIT ASSM	
14	529-0060-24	1	POWER CABLE-MOLDED PLUG	
99	005-1210-00	1	COVER-TERMINAL BOX	

Accessories

		Accessories
Category	Part Number	Description
(1) Variable	EVM-322017-	EVM, 3Ø, 200-240v, Output 200-240v@17A, Pro, IP20, Standard, No Options,
Frequency Drive	E20ENN	Frame 2
(1) Variable	EVM-122017-	EVM, 1Ø, 200-240v, Output 200-240v@17A, Pro, IP20, Standard, No Options,
Frequency Drive	E20ENN	Frame 2
(1) Variable	EVM-322017-	EVM, 3Ø, 200-240v, Output 200-240v@17A, Basic, IP20, Standard, No Options,
Frequency Drive	N20MNN	Frame 2
(1) Variable	EVM-322017-	EVM, 3Ø, 200-240v, Output 200-240v@17A, Basic, IP20, With add on EMI filter,
Frequency Drive	N20MFN	No Options, Frame 2
(1) Variable	EVM-322017-	EVM, 3Ø, 200-240v, Output 200-240v@17A, Pro, IP20, With add on EMI filter, No
Frequency Drive	E20EFN	Options, Frame 2
(1) Variable	EVM-122017-	EVM, 1Ø, 200-240v, Output 200-240v@17A, Pro, IP20, With add on EMI filter, No
Frequency Drive	E20EFN	Options, Frame 2
(1) Variable	EVH-322017-	EVH, 3Ø, 200-240v, Output 200-240v@17A, LCD Keypad, IP21, With 5% DC Link
Frequency Drive	R21BDN	Choke, No Options, Frame 2
(1) Variable	EVH-322017-	EVH, 3Ø, 200-240v, Output 200-240v@17A, LCD Keypad, IP21, With 5% DC Link
Frequency Drive	R21BEN	Choke + EMI Filter, No Options, Frame 2
(1) Variable	EVH-322017-	EVH, 3Ø, 200-240v, Output 200-240v@17A, LCD Keypad, IP54, With 5% DC Link
Frequency Drive	R54BDN	Choke, No Options, Frame 2
(1) Variable	EVH-322017-	EVH, 3Ø, 200-240v, Output 200-240v@17A, LCD Keypad, IP54, With 5% DC Link
Frequency Drive	R54BEN	Choke + EMI Filter, No Options, Frame 2

Electrical Components

Electrical C	components
Part No: 071-0501-18	Stator
Usage Description: Internal Protector	Part No: 546-2061-37
Vendor Part Number	Usage Description: Stator
34HM119	Resistance: +/-7%
Vendor Name	Start Wdg: 0.86
SENSATA	Run Wdg: 0.00

Nomenclature

Family Series	
C: CR Compressors	
Application Range	
R: R-22/ High Temp. A/C & Heat Pump	
Capacity	
42K: Capacity	
Model Variation	
6: Model Variation - 6	
Oil Type	
E: Polyol Ester	
Motor Type	
T: 3 Phase	
Motor Protection	
F: Internal Inherent Protection	
Voltage	

Miscellaneous

		Alternate A	pplication	
Refrigerant	Freq	Phase	Voltage	Application
HCFC R-22	50	3 Ø	200/220 V	R1 AC
<u>HFC R-407C</u>	50	3 Ø	200/220 V	R1 AC
<u>HFC R-407C</u>	60	3 Ø	200/230 V	R1 AC
		Nomeno <u>CR42K6</u>		
Date	Data Group	Field	Old	Data New Data
14-Jan-2014	Sound	Vibration	Ave 2.6	4
14-Jan-2014	Sound	Vibration	Max 3.6	5
06-Mar-2014	2 Pt Perf	Cap Cond	d 2 5440	00 54500
06-Mar-2014	2 Pt Perf	EER Cond	10.9	11