

CR32K6E-PFV

HFC, R-407C, 60 Hz, 1 - Phase, 208/230 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.

Summary

Performance		
Evaporator Temp. (°F)	45.00	45
Condensing Temp. (°F)	130.00	100
Return Gas Temp. (°F)	65.00	65
Liquid Temp. (°F)	115.00	85
Capacity (BTU/hr)	29300	40700
Power (W):	2780	2290
Current (Amps):	13.75	11.75
EER(BTU/Wh):	10.55	17.8
Mass Flow (lbs/hr):	426	505
Sound Data @		
Sound Power (dBA):	74 Avg	79 Max
Vibration mils(peak-peak):	3.4 Avg	4.4 Max
Record Date:	2010-09-01	
Mechanical		
Displacement (in ³ /Rev):	3.49	
Displacement (ft ³ /Hr):		
Overall Length (in):	.00	
Overall Width (in):	.00	
Overall Height (in):	.00	
Mounting Length (in):	.00	
Mounting Width (in):	.00	
Mounting Height (in):	.00	

Suction Size (in),Type:	3 / 4 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	45
Oil Recharge (oz):	43
Oil Type:	POE
Net Weight (lbs):	66.0
Internal Free Volume (in³):	
Horse Power:	

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

Electrical

LRA High* (Amps):	82.0
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	22.5
Max Operating Current (Amps):	18.00
RLA, MCC/1.4(use for contactor selection)(Amps):	16.1
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	14.4
RPM:	3500
Box IP :	
UL File No:	
UL File Date:	1984-12-28

*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
No data available in table					

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-22 HCFC	208/230	1	60	Air Conditioning
R-407C HFC	200	1	50	Air Conditioning

Service Parts

Service Parts				
Reference	Component	Quantity	Description	Comment
1	527-0044-08	1	SPACER-MOUNTING ASSM	
2	914-0036-04	1	CAP START KIT	
3	914-0037-17	1	RUN CAP KIT W/CLAMP	
4	940-0001-54	1	RELAY KIT	
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 Frequency Drive	EVM-122017-E20EFN	
(1) Variable Frequency Drive	EVM-122017-E20ENN	

Electrical Components

Electrical Components	
Part No: 071-0508-41	Stator
Usage Description: Internal Protector	Part No: 546-5081-07
<u>Vendor Part Number</u>	Usage Description: Stator
15HM1713	Resistance: +/-7%
<u>Vendor Name</u>	Start Wdg: 3.22
T I	Run Wdg: 0.74
Potential	Start Capacitor
Part No: 040-0166-14	Part No: 014-0061-16
Usage Description: Potential Relay	Low MFD: 43.0

Vendor Part Number

RVA4AL6D-918

Vendor Name

ELECTRICA

Start Capacitor

Part No: 014-0061-28

Low MFD: 145.0

Type:Start Capacitor

High MFD: 175.0

Usage Description: Start Capacitor

Volts: 250

Type:Start Capacitor

High MFD: 52.0

Usage Description: Start Capacitor

Volts: 330

Run Capacitor

Part No: 014-0064-13

Low MFD: 35.0

Type:Run Capacitor

High MFD: 0.0

Usage Description: Run Capacitor

Volts: 440

Nomenclature

CR32K6E-PFV

Family Series

C: Family of Compressors

Application Range

R: R22, R134A, R407C

Nominal Capacity at Rating Condition

32K: Capacity Multiplier-100

Model Series Variation (Efficiency)

6: Generation 2 (BASE)

Identifier

: CK Model

OIL Identifier

E: POE OIL

Motor Type

P: 1 Phase/Capacitor Run, Permanent Split Capacitor

Motor Protection

F: Internal Inherent Protection

Voltage

V: 60Hz (208/230-1) 50Hz (-)

Miscellaneous

Alternate Application

Refrigerant	Freq	Phase	Voltage	Application
HCFC R-22	60	1 Ø	208/230 V	R1 AC

Refrigerant	Freq	Phase	Voltage	Application
HFC R-407C	50	1 Ø	200 V	R1 AC
Nomenclature				
CR32K6E-PFV				

Date	Data Group	Field	Old Data	New Data
01-Sep-2010	Status	Status	P	A
14-Jan-2014	Sound	Vibration Ave	1.5	3.4
14-Jan-2014	Sound	Vibration Max	2.5	4.4

Bill-of-Materials

CR32K6E-PFV - BILL OF MATERIALS

125 - Common U.S. OEM Bill Of Materials

Suction Connection Stub

Suction Size 3/4"

Discharge Connection Stub

Discharge Size 1/2"

Electrical Connection

Mounting Assembly

Sight Glass

Crankcase Heater

Schrader Valve

Tandem Ready

Module Voltage

Reference Drawing [497-3830-11_007.pdf](#)

175 - Common U.S. OEM Bill Of Materials

Suction Connection Stub

Suction Size 3/4"

Discharge Connection Stub

Discharge Size 1/2"

Electrical Connection

Mounting Assembly

Sight Glass

Crankcase Heater

Schrader Valve

Tandem Ready

Module Voltage

Reference Drawing [497-3830-26_007.pdf](#)

225 - Common U.S. OEM Bill Of Materials

Suction Connection Stub

Suction Size 3/4"

Discharge Connection Stub

Discharge Size 1/2"

Electrical Connection

Mounting Assembly

Sight Glass

Crankcase Heater

Schrader Valve

Tandem Ready

Module Voltage

Reference Drawing [497-3825-08_011.pdf](#)

875 - Common U.S. Service Bill Of Materials

Suction Connection Stub

Suction Size 3/4"

Discharge Connection

Discharge Size 1/2"

Electrical Connection

Mounting Assembly

Sight Glass

Crankcase Heater

Schrader Valve

Tandem Ready

Module Voltage

Reference Drawing [497-3831-10_007.pdf](#)

925 - Common U.S. Service Bill Of Materials

Suction Connection Stub

Suction Size 3/4"

Discharge Connection Stub

Discharge Size 1/2"

Electrical Connection

Mounting Assembly

Sight Glass

Crankcase Heater

Schrader Valve

Tandem Ready

Module Voltage

Reference Drawing [497-3825-24_011.pdf](#)

945 - Common U.S. Service Bill Of Materials

Suction Connection Stub

Suction Size 3/4"

Discharge Connection Stub

Discharge Size 1/2"

Electrical Connection

Mounting Assembly

Sight Glass

Crankcase Heater

Schrader Valve

Tandem Ready

Module Voltage

Reference Drawing [497-3825-37_011.pdf](#)
