

# ZPS26K5E-PFV

HFC, R-410A, 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	50
Condensing Temp. (°F)	130	115
Return Gas Temp. (°F)	65	70
Liquid Temp. (°F)	115	100
Capacity (BTU/hr)	26400	32600
Power (W):	2580	2120
Current (Amps):	11.35	9.3
EER(BTU/Wh):	10.2	15.4
Mass Flow (lbs/hr):	389	434
Sound Data @ 45 / 130		
Sound Power (dBA):	66 Avg	71 Max
Vibration mils(peak-peak):	2.0 Avg	3.0 Max
Record Date:	2017-03-22	
Mechanical		
Displacement (in^3/Rev):	1.54	
Displacement (ft^3/Hr):	186.5	
Overall Length (in):	9.56	
Overall Width (in):	9.56	
Overall Height (in):	15.27	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	

<b>Mounting Height (in):</b>	16.03
<b>Suction Size (in),Type:</b>	3 / 4 Stub
<b>Discharge Size (in),Type:</b>	1 / 2 Stub
<b>Initial Oil Charge (oz):</b>	25
<b>Oil Recharge (oz):</b>	21
<b>Net Weight (lbs):</b>	47.3
<b>Internal Free Volume (in^3):</b>	126

**Horse Power:**

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

<b>LRA High* (Amps):</b>	73.0
<b>LRA Low*(Amps):</b>	
<b>LRA Half Winding (Amps):</b>	
<b>MCC (Amps):</b>	20.4
<b>Max Operating Current (Amps):</b>	20.0
<b>RLA, MCC/1.4(use for contactor selection)(Amps):</b>	14.6
<b>RLA, MCC/1.56(use for breaker &amp; wire size selection)(Amps):</b>	13.1
<b>RPM:</b>	3500
<b>Box IP :</b>	21
<b>UL File No:</b>	SA2337
<b>UL File Date:</b>	2003-12-16

\*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
Run Capacitor	014-0064-08	40.0	0.0	370	
Start Capacitor	014-0061-27	88.0	106.0	330	

**Alternate Applications**

Refrigerant	Voltage	Phase	Frequency	Application
R-410A HFC	208/230	1	60	A/C, 67% Load Of Compressor Model

Service Parts

Service Parts				
Reference	Component	Quantity	Description	Comment
1	914-0037-12	1	RUN CAP KIT W/CLAMP	
2	914-0036-03	1	CAP START KIT	
3	940-0001-79	1	RELAY-POTENTIAL KIT	
4	527-0044-15	1	SPACER - MOUNTING ASSM	
5	918-0052-00	1	CRANKCASE HEATER KIT	240V 40W WRAP AROUND
5	918-0052-01	1	CRANKCASE HEATER KIT	120V 40W WRAP AROUND
5	918-0052-03	1	STAR CCH KIT	480V 40W WRAP AROUND
6	529-0060-24	1	POWER CABLE-MOLDED PLUG	3-PIN MOLDED PLUG
6	529-0138-01	1	CABLE-POWER ASSM	2-PIN MODULATION PLUG
99	998-0069-01	1	ADAPTER & SEAL KIT	

Accessories

Accessories		
Category	Part Number	Description
Crankcase Heaters	018-0094-00	Crankcase Heater, 240V, 40W
Crankcase Heaters	018-0094-01	Crankcase Heater, 120V, 40W
Crankcase Heaters	018-0094-03	Crankcase Heater, 480V, 40W, 21.25" Lead Length
Crankcase Heaters	018-0094-04	Crankcase Heater, 575V, 40W, 21.25" Lead Length
Crankcase Heaters	018-0094-00	Crankcase Heater, 240V, 40W

Electrical Components

Electrical Components
Part No: 071-0512-24
Usage Description: Internal Protector
<u>Vendor Part Number</u>

15HM2450

Vendor Name

SENSATA

Part No: 071-0642-03

Usage Description: Internal Protector

Vendor Part Number

UP14HY5215C

Vendor Name

UBUKATA

### Stator

Part No: 846-5016-05

Usage Description: Stator

Resistance: +/-7%

Start Wdg: 1.91

Run Wdg: 1.02

### Start Capacitor

Part No: 014-0061-27

Low MFD: 88.0

Type:Start Capacitor

High MFD: 106.0

Usage Description: Start Capacitor

Volts: 330

### Stator

Part No: 546-5016-05

Usage Description: Stator

Resistance: +/-7%

Start Wdg: 1.91

Run Wdg: 1.02

### Potential

Part No: 040-0166-37

Usage Description: Potential Relay

Vendor Part Number

RVA2AE6D-946

Vendor Name

ELECTRICA

### Run Capacitor

Part No: 014-0064-08

Low MFD: 40.0

Type:Run Capacitor

High MFD: 0.0

Usage Description: Run Capacitor

Volts: 370

## Nomenclature

ZPS26K5E-PFV

### Family Series

**Z:** Scroll

### Application Range

**P:** A/C - R-410A/B

### Modulation

**S:** Two Step

### Capacity

**26K:** Capacity Multiplier-1000

### Oil Type

**E:** Polyol Ester

### 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
<a href="#">HFC R-410A</a>	60	1 Ø	208/230 V	R1 A6

## Nomenclature

[ZPS26K5E-PFV](#)

Date	Data Group	Field	Old Data	New Data
06-May-2011	Status	Status	P	A
06-May-2011	Status	Status	P	A
06-May-2011	Sound	Sound Ave	70	66
06-May-2011	Sound	Sound Ave	70	66
06-May-2011	Sound	Sound Max	75	71
06-May-2011	Sound	Sound Max	75	71
21-Jun-2012	RatingRefNo	RatingRefNo	11-55	12-768
21-Jun-2012	RatingRefNo	RatingRefNo	11-56	12-767
20-Jun-2012	Rating	PubCode		Y
24-Jan-2011	Rating	PubCode		PRE