

To : Mr. Oliver M. Filoteo  
Executive Vice President  
From : Quality Control Department  
Re : Split type air-conditioner  
Date : March 17, 2022  
Reference no. : QCD-SAC-KSG-IWF-25WFY-8K1M32-22-03-001  
Cc. : FDF. / A De Rivera /Dept. concern

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Listed below are the specifications and parts for newly delivered Full DC Inverter Wall mounted split type air conditioner, received date March 15, 2022.

## **KSG-IWF-25WFY-8K1M32 (2.5hp) (Primus Gold)** **INDOOR UNIT**

### **Details checking:**

**Model** : KSG-IWF-25WFY-8K1M32-I  
**Description** : 2.5hp Full DC Inverter Split type Air-con. (With WIFI)  
**EAN Number** : 4 806508 235601  
**P/O Number** : KT-2109GR-25  
**Lot number** : 184921001  
**Serial number range** : 18492109-10001 to 10256 (256 units)  
**Printing Features** : Good, clear, and correct

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**Inspected units:** **Kolin Serial number** 18492109-10033, 10176, 10190 and 10003  
**Supplier Serial no.** 3H36820000037, 00180, 00194 and 00004



### **Remarks:**

1. First shipment for the new model of 2.5hp split type air-con with smart controller.
2. Carton box color and features are same from approved designed.
3. The unit label is comply on confirmed and declared specifications.
4. Glossy white color with gold KOLIN and PRIMUS logo, also gold lining on side.
5. The other inner parts and spec's are same from sample unit and supplier spec's sheets.
6. **The 2.5hp and 3.0hp primus series has the same indoor unit size and parts.**

### **Recommendations:**

1. Units are recommended for DTI/BPS testing for inclusion on our BPS license.
2. Put additional manual for Smart controller, and replace warranty card with QR code
3. Also recommended to add EER card.
4. Wait instructions from higher management for the distributions of this model.

**Note:** Inspected units are compared to sample unit and suppliers spec's sheets.  
The indoor appearance is same from sample unit except to the other inner parts.

## **Carton box and Packaging dimensions checking:**

<b>Carton box</b>	:	Width	:	1172 mm
		Depth	:	398 mm
		Height	:	322 mm
		Thickness / type	:	6.0 mm / double wall
		Gross weight	:	19.0kg
<b>Packing support</b>	:	Styrofoam on both sides. Dimension 148 x 398 x 312mm carton Center (thickness) 10mm (single wall )		
<b>Accessories</b>	:	User's Manual, Ewpe QR code for APP, Warranty card Anti -bacterial filter (2pcs), Screw & clip anchor (5pcs), Remote control, AAA battery, Flare nut, 1/4 and 5/8, Insulation foam.		

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## **Unit checking for outer part:**

<b>Specifications</b>	:	Phase	:	Single
		Volts	:	230 V~
		Frequency	:	60Hz
		Nominal Capacity	:	2.5hp
		Cooling Capacity	:	25,560 (5,580-28,116)kJ/h
			:	7.1 (1.55-7.81)kw
		Power Input	:	1,820 (364-2,184)W
		Rated Input	:	2,320 W
		Rated Current	:	8.5A
		EER	:	14.0 (15.4-12.6) kJ/hw
			:	3.89 (4.28-3.5)
		CSPF	:	5.21 ★★★★★
		Max Discharge Pressure:	:	4.3 MPa
		Max Suction Pressure :	:	2.5 MPa
		Sound Pressure level :	:	52 dB(A) indoor
		Moisture Protection :	:	IPX4
		Refrigerant/charge :	:	R 32 / 1.0 kg
		Refrigerant Piping :	:	1/4" & 5/8"
		BPS License number :	:	Q-2824
	<b>Unit Dimension</b>	:	Width	:
		Depth	:	247 mm
		Height	:	329 mm
		Net weight	:	16.0 kg
<b>Appearance</b>	:	Glossy white & silver lining at front & gold lining at both sides. Gold KOLIN and PRIMUS logo Plastic materials LED display on right side.		
<b>Air Filter</b>	:	White color (Dimension) W x H 425 x 357mm		
<b>Wall Bracket</b>	:	Metal material (Dimension ) (W x H) 635 x 305mm		

## **Unit checking for inner part:**

<b>Blower Fan Motor</b>	:	BRUSHLESS DC MOTOR FN60B-ZL(10P) (ZWK 428A300009) part # 150104060116 DC310 / 60W / 1500r/min / 10P / IP40 Zhong Shan Broad-Ocean Motor CO. LTD (White coated casing)
<b>Main PCB</b>	:	300002062778 / M863F1PEJ GRJ863-A7 (V1) 2021/01/26/11 TI.6
<b>Display PCB</b>	:	300001060400 /D5363BL GRJ536-B10 (V1) 2020 / 05 / 29 / 12 TI.6
<b>Wifi Kit</b>	:	Model : CS532AE/ IC 12478A - CS532AEH FCC ID: 2ADAP – CS532AEH / 30110144
<b>Remote Control Type:</b>		YAP 1F2 / AAA Battery / 1.5V x 2
<b>Ionizer</b>	:	Plasma Ion Generator Model: XS-PL – 06 Rated Voltage : AC220V 50Hz Rated Power : ≤ 2W SHANDONG XUESHENG ELECTRIC APPLIANCE.
<b>Swing Motor</b>	:	Horizontal – Step Motor / MP35CP / 12V Vertical - Step Motor / MP24HF / DC 12 V
<b>Swing Louver</b>	:	Horizontal (Dimension) 965 x 78 x 34mm (1 Pcs) Vertical (Dimension) 735 x 63 x 42mm (12 pcs)
<b>Unit Sensor</b>	:	Temp : GL 15K / tubing : GL 20K
<b>Control Box</b>	:	White Plastic materials
<b>Evaporator</b>	:	620pcs. Blue Aluminum fins 2 rows of 40 lines of copper tube with Ø7.0mm each Dimension (L x H x W) 845 x 343 x 26mm
<b>Copper tube</b>	:	High side Ø1/4” / Low side Ø5/8” with flare nut
<b>Wheel blower</b>	:	Green color / ABS Plastic materials (Dimension) Ø108mm x 830mm

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## **Comparison / Difference:**

- 1. Carton box / Packaging** : New design and color of carton box based on approved color and details.
- 2. Accessories** : With additional accessories compared from sample unit.

- 3. Unit specifications : Same from approved and declared specifications.
- 4. Unit outer part : Same from request appearance, designed and color.
- 5. Unit inner part / Spec's : Some parts are different compared from the sample unit  
See attached for the details of changes.

**Sample unit**

**Actual unit**

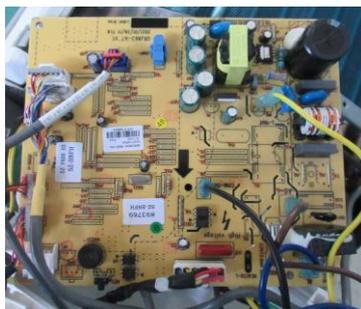


ZWR50-F (FN60B-ZL)  
DC 310V / 50W

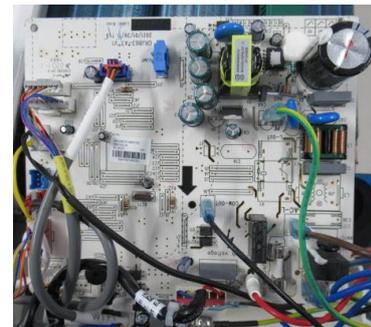


FN60B-ZL(WP)  
DC310 / 60W

**BLOWER MOTOR**



300002062541 / M863F1HWJ



300002062778 / M863F1PEJ

**MAIN BOARD**



YAY1F / AAA / 1.5V x 2



YAP 1F2 / AAA / 1.5Vx2

**REMOTE CONTROL**

**KSG-IWF-25WFY-8K1M32 (2.5hp) (Primus Gold)**



**Packing Support** : Styrofoam thickness : 20 mm (Top)  
50 mm ( Bottom)  
Carton base thickness : 3.0 mm (Single)

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### **Unit checking for outer part:**

**Specifications** : Phase : Single  
Volts : 230 V~  
Frequency : 60Hz  
Nominal Capacity : 2.5hp  
Cooling Capacity : 25,560 (5,580-28,116)kJ/h  
: 7.1 (1.55-7.81)kw  
Power Input : 1,820 (364-2,184)W  
Rated Input : 2,320 W  
Rated Current : 8.5A  
EER : 14.0 (15.4-12.6) kJ/hw  
: 3.89 (4.28-3.5)  
CSPF : 5.21 ★★★★★  
Max Discharge Pressure: 4.3 MPa  
Max Suction Pressure : 2.5 MPa  
Sound Pressure level : 58 dB(A) outdoor  
Moisture Protection : IPX4  
Refrigerant/charge : R 32 / 1.0 kg  
Refrigerant Piping : 1/4" & 5/8"  
BPS License number : Q-2824

**Unit Dimensions** : Width : 960 mm  
Depth : 402 mm  
Height : 660 mm  
Net Weight : 38.0 kg

**Appearance** : Dirty white coated / Plastic grills on front / Metal grills on back  
Top cover and casing (thickness) 1.0 mm

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### **Unit checking for inner part:**

**Compressor Motor** : GREE / FTZ-SM151AXBD/ Thermally protected  
260-350V / 900-7200rpm / R32/R410A  
Zhuhai Landa Compressor / Black coated casing

**Fan Motor** : BRUSHLESS DC Motor  
ZWR60-D (B-LW60A-ZL) Part # 1501506409  
DC310V / 60 W/ 900 r/min /8P / IP44  
Zhuhai Kaibang Motor (White coated casing)

**Main PCB** : 300027062031 / W9241AA  
GRJW924-A (V1) 2021 / 06 / 30 /12 T2.0

**Electrolytic Capacitor:** 680µf / 450V / 105°C / CD294 2pcs.

**Electronic Valve** : None

<b>Heat Zinc</b>	:	(Dimensions) 100 x 65 x 170mm (28 leaves )
<b>Unit Sensor</b>	:	High pressure Tube : GW 50K Tubing sensor : GW 20K Outdoor Sensor : GW15K
<b>Condenser</b>	:	626pcs. Blue aluminum fins 2 row of 64 lines copper tube with 5.0mm diameter each Dimension (L x H x W) 856 x 610 x 23 mm
<b>Copper Tube</b>	:	High side Ø1/4" / Low side Ø5/8" with flare nut
<b>Propeller Fan</b>	:	Yellowish color / Plastic materials / 3 blades (Dimension) Ø520mm x 152mm
<b>Drain joint</b>	:	Dirty white / plastic Material

### **Comparison / Difference**

- 1. Carton box / Packaging** : New design and color of carton box, based on approved designed and details.
- 2. Unit specifications** : Same from approved and declared specifications.
- 3. Unit outer part** : Same approved design and color similar from sample unit, with KOLIN Primus gold and inverter logo.
- 4. Unit inner part / Spec's** : Same from original/sample unit parts and specifications. Actual unit has no electronic expansion valve compared from sample unit.