

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-30WFY-8K1M32-22-03-001
Cc. : FDF. / A De Rivera /Dept. concern

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

KSG-IWF-30WFY-8K1M32 (3.0hp) (Primus Gold) **INDOOR UNIT**

Details checking:

Model : KSG-IWF-30WFY-8K1M32-I
Description : 3.0hp Full DC Inverter Split type Air-con. (With WIFI)
EAN Number : 4 806508 235618
P/O Number : KT-2109GR-25
Lot number : 185121001
Serial number range : 18512109-10001 to 10256 (256 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 18512109-10046, 10201, 10252 and 10196
Supplier Serial no. 3H366920000047, 00202, 00253 and 00197



Remarks:

1. First shipment for the new model of 3.0hp 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 3.0hp and 2.5hp primus gold series indoor unit has the same 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 different from sample unit due to management request.

Carton box and Packaging dimensions checking:

Carton box	:	Width	:	1172 mm
		Depth	:	398 mm
		Height	:	322 mm
		Thickness / type	:	6.0 mm / double wall
		Gross weight	:	19.5kg
Packing support	:	Styrofoam on both sides. Dimension 150 x 390 x 312mm Carton on center (thickness) 10mm (single wall)		
Accessories	:	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.		

Unit checking for outer part:

Specifications	:	Phase	:	Single
		Volts	:	230 V~
		Frequency	:	60Hz
		Nominal Capacity	:	3.0hp
		Cooling Capacity	:	29,500 (11,880-32,450)kJ/h
			:	8.19 (3.3-9.01)kw
		Power Input	:	2,270 (454-2,724)W
		Rated Input	:	3,020 W
		Rated Current	:	13.0A
		EER	:	13.61 (14.3-11.7) kJ/hw
			:	3.61 (3.97-3.25)
		CSPF	:	5.51 ★★★★★
		Max Discharge Pressure:	:	4.3 MPa
		Max Suction Pressure :	:	2.5 MPa
		Sound Pressure level :	:	54 dB(A) indoor
		Moisture Protection :	:	IPX4
		Refrigerant/charge :	:	R 32 / 1.4 kg
		Refrigerant Piping :	:	1/4" & 5/8"
		BPS License number :	:	Q-2824
	Unit Dimension	:	Width	:
		Depth	:	247 mm
		Height	:	329 mm
		Net weight	:	16.5 kg
Appearance	:	Glossy white & silver lining at front & gold lining at both sides. Gold KOLIN and PRIMUS logo Plastic materials LED display on right side.		
Air Filter	:	White color (Dimension) W x H 425 x 357mm		

Unit checking for inner part:

Blower Fan Motor	:	BRUSHLESS DC MOTOR FN60B-ZL(10P) (ZWK 428A300009) part # 150104060116 DC310 / 60W / 1550r/min / 10P / IP40 Zhong Shan Broad-Ocean Motor CO. LTD (White coated casing)
Main PCB	:	300002062778 / M863F1PEJ GRJ863-A7 (V1.0) 2021/01/26/11 TI.6
Display PCB	:	300001060400 /D5363BL GRJ536-B10 (V1.0) 2020 / 05 / 29 / 12 TI.6
Wifi Kit	:	Model: CS532AE/ IC 12478A - CS532AEH FCC ID: 2ADAP – CS532AEH / 30110144
Remote Control Type:		YAP 1F2 / AAA Battery / 1.5V x 2
Ionizer	:	Plasma Ion Generator Model: XS-PL – 06 Rated Voltage : AC220V 50Hz Rated Power : ≤ 2W SHANDONG XUESHENG ELECTRIC APPLIANCE.
Swing Motor	:	Horizontal – Step Motor / MP35CP / 12V Vertical - Step Motor / MP24HF / DC 12 V
Swing Louver	:	Horizontal (Dimension) 965 x 78 X 34mm (1 pc.) Vertical (Dimension) 735 x 63 x 42mm (12 pcs)
Unit Sensor	:	Temp : GL 15K / tubing : GL 20K
Control Box	:	White Plastic materials
Evaporator	:	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
Copper tube	:	High side Ø1/4” / Low side Ø5/8” with flare nut
Wheel blower	:	Green color / ABS Plastic materials (Dimension) Ø108mm x 830mm
Wall Bracket	:	Metal material (Dimension) (W x H) 635 x 305mm

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

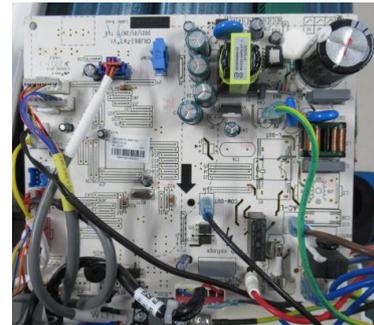
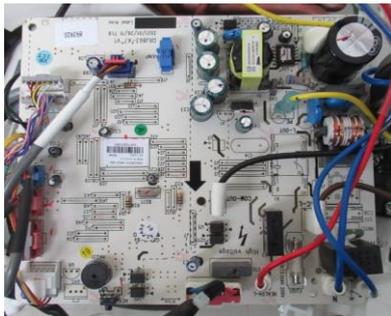
Actual unit



BLOWER MOTOR

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

FN60B-ZL(WP)
DC310 / 60W



MAIN BOARD

300002062579 / M863F2HGJV1

300002062778 / M863F1PEJ



REMOTE CONTROL

YAY2F / AAA / 1.5V x 2

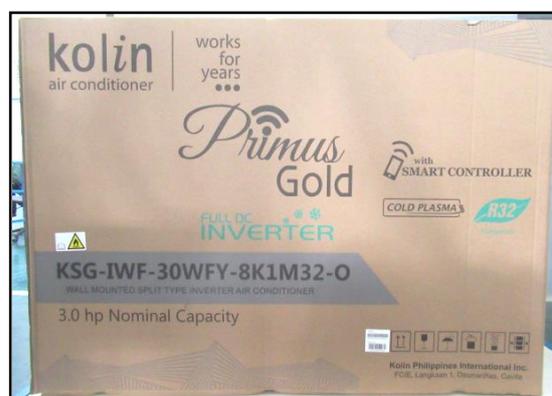
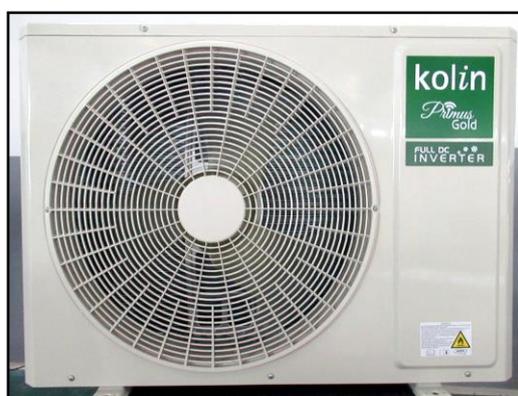
YAP 1F2 / AAA / 1.5Vx2

KSG-IWF-30WFY-8K1M32 (3.0hp) (Primus Gold)
OUTDOOR UNIT

Details checking:

Model : KSG-IWF-30WFY-8K1M32-O
Description : 3.0hp Full DC Inverter Split type Air-con. (With WIFI)
EAN Number : 4 806508 235618
P/O Number : KT-2109GR-25
Lot number : 185221001
Serial number range : 18522109-10001 to 10256 (256 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 18522109-10162, 10186, 10008 and 10235
Supplier Serial no. 3H39220000160, 00187, 00009 and 00236



Remarks:

1. First shipment for the new model of 3.0hp split type Inverter air-conditioner with R32 refrigerant.
2. Carton box color and features are same from approved designed.
3. The unit label is comply on confirmed and declared specifications.
4. Dirty white color with white and green KOLIN and INVERTER.
5. The inner parts and spec's are same from sample unit and supplier spec's sheets.

Recommendations:

1. Units are recommended for DTI/BPS testing for inclusion on our BPS license.
2. Request to supplier to reduce and re-locate the name plate on upper side.
3. Wait instructions from higher management for the distributions of this model.

Note: Inspected units are compared to sample unit and suppliers spec's sheets.

Carton box and Packaging dimensions checking:

Carton box : Width : 1029 mm
Depth : 453 mm
Height : 715 mm
Thickness / type : 6.0 mm / Double wall
Gross Weight : 47.5 kg

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

Unit checking for outer part:

Specifications : Phase : Single
Volts : 230 V~
Frequency : 60Hz
Nominal Capacity : 3.0hp
Cooling Capacity : 29,500 (11,880-32,450)kJ/h
: 8.19 (3.3-9.01)kw
Power Input : 2,270 (454-2,724)W
Rated Input : 3,020 W
Rated Current : 13.0A
EER : 13.61 (14.3-11.7) kJ/hw
: 3.61 (3.97-3.25)
CSPF : 5.51 ★★★★★
Max Discharge Pressure: 4.3 MPa
Max Suction Pressure : 2.5 MPa
Sound Pressure level : 59 dB(A) outdoor
Moisture Protection : IPX4
Refrigerant/charge : R 32 / 1.4 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 : 43.0 kg

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

Unit checking for inner part:

Compressor Motor : GREE / QXFS-B238z X070 / 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 : 300027062062 / W9241AE
GRJW924-A (V1.0) 2021 / 06 / 30 /12 T2.0

Electrolytic Capacitor: 1000µf / 450V / 105°C / CD294 (2pcs.)

Electronic Valve	:	None
Heat Zinc	:	(Dimensions) 100 x 65 x 170mm (28 leaves)
Unit Sensor	:	High side tube sensor : GW 50K Tubing sensor : GW 20K Outdoor Sensor : GW15K
Condenser	:	725pcs. Blue aluminum fins 2 row of 56 lines copper tube with 7.0mm diameter each Dimension (L x H x W) 963 x 616 x 38 mm
Copper Tube	:	High side Ø1/4" / Low side Ø5/8" with flare nut
Propeller Fan	:	Yellowish color / Plastic materials / 3 blades (Dimension) Ø520mm x 152mm
Drain joint	:	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.