

To : Mr. Oliver M. Filteo
Executive Vice President
From : Quality Control Department
Re : Split type air-conditioner
Date : March 7, 2022
Reference no. : QCD-SAC-KSG-IWF-20WFY-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 mounted split type air conditioner, received date March 4, 2022.

KSG-IWF-20WFY-8K1M32 (2.0hp) (Primus Gold)
INDOOR UNIT

Details checking:

Model : KSG-IWF-20WFY-8K1M32-I
Description : 2.0hp Full DC Inverter Split type Air-con. (With WIFI)
EAN Number : 4 806508 235595
P/O Number : KT-2109GR-25
Lot number : 184721001
Serial number range : 18472109-10001 to 10324 (324 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 18472109-10058, 10118, 10131 and 10172
Supplier Serial no. 3H70720000059, 00119, 00132 and 00173



Remarks:

1. First shipment for the new model of 2.0hp 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.

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	:	1055 mm
		Depth	:	366 mm
		Height	:	287 mm
		Thickness / type	:	6.0 mm / double wall
		Gross weight	:	15.5 kg
Packing support	:	Styrofoam on both sides. Dimension 280 x 360 x 143mm carton 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 1/2, Insulation foam		

Unit checking for outer part:

Specifications	:	Phase	:	Single
		Volts	:	230 V~
		Frequency	:	60Hz
		Nominal Capacity	:	2.0hp
		Cooling Capacity	:	19,000 (4,860-20,900)kJ/h
			:	5.28 (1.35-5.81)kw
		Power Input	:	1,305 (300-2,200)W
		Rated Input	:	2,200 W
		Rated Current	:	6.25A
		EER	:	14.6 kJ/hw(16.1-13.1)kJ/hw
			:	4.06 (4.47-3.64)
		CSPF	:	6.90 ★★★★★
		Refrigerant/charge	:	R 32 / 1.0 kg
		Refrigerant Piping	:	1/4" & 1/2"
		Max Discharge Pressure:	:	4.3 MPa
		Max Suction Pressure :	:	2.5 MPa
		Sound Pressure level :	:	48 dB(A) indoor
		Moisture Protection :	:	IPX4
		BPS License number :	:	Q-2824
	Unit Dimension	:	Width	:
		Depth	:	222 mm
		Height	:	300 mm
		Net weight	:	13.0 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 318 x 302mm		
Wall Bracket	:	Metal material (Dimension) (LxH) 635x287mm		

Unit checking for inner part:

Blower Fan Motor	:	AIR CONDITIONER BLDC MOTOR: ZWA108D5OC (FN45B-ZL) part # 150104060088 DC310 / 45W / 1500r/min / 8P / IP40 ZHONG SHAN BROAD-OCEAN MOTOR CO. LTD (white coated)
Main PCB	:	300002062779 / M863F1PGJ GRJ863-A7 (V1) 2021/01/26/11 TL.6
Display PCB	:	300001060400 /D5363BL GRJ536-B1O (V1) 2020 / 05 / 29 / 12 TL.6
Wifi Kit	:	Model: CS532AE/ IC 12478A - CS532AEH FCC ID: 2ADAP – CS532AEH 30110144
Remote Control Type:		YAP 1F2 / AAA Battery / 1.5Vx2
Ionizer	:	Plasma Ion Generator Model: XS-PL – 06 Rated Voltage : AC220V 50Hz Rated Power : ≤ 2W SHANDONG XUESHENG ELECTRIC APPLIANCE.
Swing Motor	:	Horizontal – Step Motor / MP35CJ / 12V Vertical - Step Motor / MP24HF / DC 12 V
Swing Louver	:	Horizontal (Dimension) 856 x 72 x 31mm (1 pc.) Vertical (Dimension) 613 x 55 x 40 (12 pcs)
Unit Sensor	:	Temp : GL 15K / tubing : GL 20K
Control Box	:	White Plastic materials
Evaporator	:	530pcs. Blue Aluminum fins 2 rows of 32 lines of copper tube with Ø7.0mm each Dimension (L x H x W) 715 x 305 x 26mm
Copper tube	:	High side Ø1/4” / Low side Ø1/2” with flare nut
Wheel blower	:	Green color / ABS Plastic materials (Dimension) Ø106mm x 706mm

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



300002062636 / M863F1KFJ

Actual unit



300002062779 / M863F1PGJ

MAIN BOARD



YAY2F AAA / 1.5V x 2



YAP 1F2 / AAA / 1.5Vx2

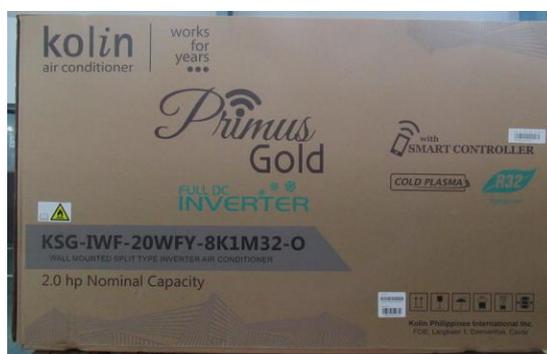
REMOTE CONTROL

KSG-IWF-20WFY-8K1M32 (2.0hp) (Primus Gold)
OUTDOOR UNIT

Details checking:

Model : KSG-IWF-20WFY-8K1M32-O
Description : 2.0hp Full DC Inverter Split type Air-con. (With WIFI)
EAN Number : 4 806508 235595
P/O Number : KT-2109GR-25
Lot number : 184821001
Serial number range : 18482109-10001 to 10324 (324 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 18482109-10041, 10120, 10178 and 10308
Supplier Serial no. 3H70820000036, 00121, 00179 and 00309



Remarks:

1. First shipment for the new model of 2.0hp 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 : 948 mm
Depth : 428 mm
Height : 591 mm
Thickness / type : 6.0 mm / Double wall
Gross Weight : 38. kg

Packing Support : Styrofoam thickness : 58 mm (Top)
53 mm (Bottom)
Carton base thickness : 2.0 mm (Single)

Unit checking for outer part:

Specifications : Phase : Single
Volts : 230 V~
Frequency : 60Hz
Nominal Capacity : 2.0hp
Cooling Capacity : 19,000 (4,860-20,900)kJ/h
: 5.28 (1.35-5.81)kW
Power Input : 1,305 (300~2,200)W
Rated Input : 2,200 W
Rated Current : 6.25 A
EER : 14.6 kJ/hW (16.1-13.1)kJ/hW
: 4.06 (4.47 – 3.64)
CSPF : 6.90 ★★★★★
Refrigerant/charge : R32 / 1.0 kg
Refrigerant Piping : 1/4” & 3/8”
Max Discharge Pressure: 4.3 MPa
Max Suction Pressure : 2.5 Mpa
Sound Pressure level : 57dB (A) Outdoor
Degree of Protection : IPX4
BPS License number : Q-2824

Unit Dimensions : Width : 873 mm
Depth : 376 mm
Height : 555 mm
Net Weight : 35. 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 / QXF-B103zH170F/ Thermally protected
260-350V / 900-7200rpm / R32
Zhuhai Landa Compressor / Black coated casing

Fan Motor : DC Motor
TWZ40-A22 (B-LW40A-ZL) Part # 150104060085
DC310V / 40 W/ 850 r/min /8P / IP44
White coated casing

Main PCB : 300027062099 / W9181L
GRJW918-A2 2021 / 06 / 11 /16 TI.6

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

Electronic Valve	:	Dunan DC12V DPFX06
Heat Zinc	:	(Dimension) 173 x 50 x 81mm (27 leaves)
Unit Sensor	:	High pressure Tube : GW 50K Tubing sensor : GW 20K Outdoor Sensor : GW15K
Condenser	:	612pcs. Blue aluminum fins 2 row of 48 lines copper tube with 7.0mm diameter each Dimension (L x H x W) 835 x 528 x 38 mm
Copper Tube	:	High side Ø1/4" / Low side Ø1/2" with flare nut
Propeller Fan	:	Yellowish color / Plastic materials / 3 blades (Dimension) Ø445mm x 135mm
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.