

To : Mr. Oliver M. Filoteo
Executive Vice President
From : Quality Control Department
Re : Split type air-conditioner
Date : March 5, 2022
Reference no. : QCD-SAC-KSG-IWF-15WFY-8K1M32-22-03-001
Cc. : FDF. / A De Rivera /Dept. concern

Listed below are the specifications and parts for newly delivered Full inverter wall mounted split type air conditioner, received date March 3, 2022.

KSG-IWF-15WFY-8K1M32 (1.5hp) (Primus Gold)
INDOOR UNIT

Details checking:

Model : KSG-IWF-15WFY-8K1M32-I
Description : 1.5hp Full DC Inverter Split type Air-con. (With WIFI)
EAN Number : 4 806508 235588
P/O Number : KT-2109GR-25
Lot number : 184521001
Serial number range : 18452109-10001 to 10436 (436 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 18452109-10361, 10422, 10175 and 10283
Supplier Serial no. 3H71020000361, 00423, 00178 and 00284



Remarks:

1. First shipment for the new model of 1.5hp 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 1.0hp and 1.5hp primus gold series indoor unit has common 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	:	935 mm
		Depth	:	349 mm
		Height	:	273 mm
		Thickness / type	:	5.0 mm / Single wall
		Gross weight	:	12.5 kg
Packing support	:	Styrofoam on both sides.		
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 3/8, Insulation foam.		

Unit checking for outer part:

Specifications	:	Phase	:	Single
		Volts	:	230 V~
		Frequency	:	60Hz
		Nominal Capacity	:	1.5hp
		Cooling Capacity	:	12,960 (2,160-14,256)kJ/h
			:	3.6 (0.6-3.96)kw
		Power Input	:	863 (220-1,054)W
		Rated Input	:	1,500 W
		Rated Current	:	4.0A
		EER	:	15.0 kJ/hw(16.5-13.5)kJ/hw
			:	4.14 (4.58-3.75)
		CSPF	:	5.31 ★★★★★
		Refrigerant/charge	:	R 32 / 0.8 kg
		Refrigerant Piping	:	1/4" & 3/8"
		Max Discharge Pressure:	:	4.3 MPa
		Max Suction Pressure :	:	2.5 MPa
		Sound Pressure level :	:	45 dB(A) indoor
	Moisture Protection :	:	IPX4	
	BPS License number :	:	Q-2824	
Unit Dimension	:	Width	:	888 mm
		Depth	:	215 mm
		Height	:	293 mm
		Net weight	:	10.5 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) 318 x 302mm (2pcs)		
Wall Bracket	:	Metal material (Dimension) (W x H) 425 x 272mm		

Unit checking for inner part:

Blower Fan Motor	:	BRUSHLESS DC MOTOR FOR AIR -CONDITIONER: FN20V-ZL(10P) (ZWK428A000013) part # 15010406002902 DC310 / 20W / 1400r/min / 10P / IP40 ZHONG SHAN BROAD-OCEAN MOTOR CO. LTD (white coated)
Main PCB	:	300002062778 / M863F1PEJ 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 / MP24HF / 12V Vertical - Spep Motor / MP24EB / 12 V
Swing Louver	:	Horizontal (Dimension) 742 x 67 x 31mm (1 Pc) Vertical (Dimension) 495 x 60 x 34mm (10 pcs)
Unit Sensor	:	Temp : GL 15K / tubing : GL 20K
Control Box	:	Plastic and GI materials
Evaporator	:	465pcs. Blue Aluminum fins 2 rows of 32 lines of copper tube with Ø5.0mm each Dimension (L x H x W) 635 x 305 x 23mm
Copper tube	:	High side 1/4” / Low side 3/8” with flare nut
Wheel blower	:	Blue green color / ABS Plastic materials (Dimension) Ø98mm x 630mm

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



ZWR15-D (FN10D-ZL)
DC 200~370V / 15W

Actual unit



FN20V-2L(10P)
DC310 / 20W

Blower motor



Built-in on Display board
Model : GRJW05-J3C.

WiFi kit

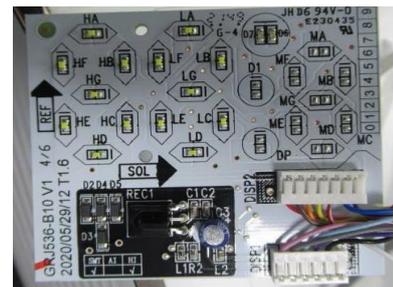


Model: CS532AE

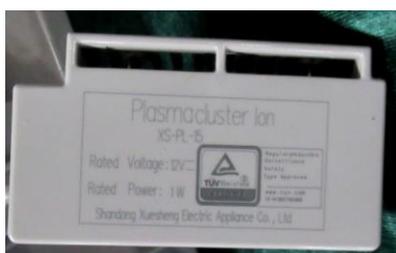


300001060575 / D5683A

Display board



300001060400 /D5363BL



Plasma cluster Ion / XS-PL-15

Cold Plasma



Plasma Ion Model: XS-PL – 06

KSG-IWF-15WFY-8K1M32 (1.5hp) (Primus Gold)
OUTDOOR UNIT

Details checking:

Model : KSG-IWF-15WFY-8K1M32-O
Description : 1.5hp Full DC Inverter Split type Air-con. (With WIFI)
EAN Number : 4 806508 235588
P/O Number : KT-2109GR-25
Lot number : 184621001
Serial number range : 18462109-10001 to 10436 (436 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 18462109-10147, 10400, 10394 and 10146
Supplier Serial no. 3H42020001954, 02207, 02201 and 01953



Remarks:

1. First shipment for the new model of 1.5hp 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 from front to 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 : 869 mm
Depth : 395 mm
Height : 594 mm
Thickness / type : 6.0 mm / Double wall
Gross Weight : 31.5 kg

Packing Support : Styrofoam thickness : 20 mm (Top)
40 mm (Bottom)
Carton base thickness : 2.0 mm (Single)

Unit checking for outer part:

Specifications : Phase : Single
Volts : 230 V~
Frequency : 60Hz
Nominal Capacity : 1.5hp
Cooling Capacity : 12,960 (2,160-14,256)kJ/h
: 3.6 (0.6-3.96)kW
Power Input : 863 (220~1,054)W
Rated Input : 1,500 W
Rated Current : 4.0 A
EER : 15.0 kJ/hW (16.5-13.5)kJ/hW
: 4.17 (4.58 – 3.75)
CSPF : 5.81 ★★★★★
Refrigerant/charge : R32 / 0.8 kg
Refrigerant Piping : 1/4” & 3/8”
Max Discharge Pressure: 4.3 MPa
Max Suction Pressure : 2.5 Mpa
Sound Pressure level : 54dB (A) Outdoor
Degree of Protection : IPX4
BPS License number : Q-2824

Unit Dimensions : Width : 805 mm
Depth : 324 mm
Height : 555 mm
Net Weight : 28.5 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 / FTz-AN108ACBD/ Thermally protected
260-350V / 900-7200rpm / R32 / R410 A
Zhuhai Landa Compressor / Black coated casing

Fan Motor : BRUSHLESS DC MOTOR
ZWR 30-R (FW30R-ZL) (10P)Part # 1501308534
DC310V / 30 W/ 900 r/min /10P / IP24
Zhuhai kaibang motor / White coated

Main PCB : 300027062064 / W9021CE
GRJW902 ~ V1 2021 / 08 / 17 /16 TI.6

Electrolytic Capacitor: 1000µf / 450V / 105°C / CD294 (1pc)

Electronic Valve	:	DC 12V / PQM 10106
Heat Zinc	:	(Dimension) 59 x 42 x 165mm (21 leaves)
Unit Sensor	:	High pressure tube : GW 50K Tubing sensor : GW 20K Outdoor Sensor : GW15K
Condenser	:	603pcs. Blue aluminum fins 2 row of 48 lines copper tube with 7.0mm diameter each Dimension (L x H x W) 785 x 530 x 40.mm
Copper Tube	:	High side Ø1/4" / Low side Ø3/8" with flare nut
Propeller Fan	:	Yellowish color / Plastic materials / 3 blades (Dimension) Ø440mm x 128mm
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..