

To : Mr. Oliver M. Filoteo  
Executive Vice President  
From : Quality Control Department  
Re : Window type air-conditioner  
Date : March 7, 2022  
Reference no. : QCD-WAC-KAG-200WCINV-22-03-001  
Cc : FDF / A De Rivera / Dept. concern

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Listed below are the specifications and parts of newly delivered Window type air-conditioner Inverter with smart controller received date March 4, 2022.

### **KAG-200WCINV (2.0hp)**

**Model** : KAG-200WCINV  
**Description** : Remote control window type inverter air-con with WIFI  
**EAN Number** : 4 806508 235519  
**P/O Number** : KT-2111GR-27R  
**Lot Number** : 191321001  
**Serial number range** : 19132111-10001 to 10920 (920 units)  
**Printing Features** : Good and all labels are correct

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**Inspected units:** **Kolin Serial number** 19132111 - 10650 and 10757  
**Supplier Serial no.** 1256620000651 and 1256620000758



### **Remarks:**

1. First shipment for the new model of 2.0hp window type inverter air-conditioner, with smart controller.
2. Carton box color and features are same from approved designed.
3. The unit label is comply on declared specifications.
4. The inner parts and specifications are same from supplier specification sheets.
5. The LED display is clear, but the functional lights are blurred but still visible.

### **Recommendations:**

1. Units are recommended for DTI/BPS testing for inclusion on our certificate.
2. All units are automatically for 100% line inspection and testing.
3. Include the WIFI manual on the accessories.

**Note:** No comparison on inspected unit, due to no sample unit received for this model.

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

<b>Carton box</b>	:	Width	:	739 mm
		Depth	:	793 mm
		Height	:	505 mm
		Gross weight	:	51.5 kg.
<b>Top support</b>	:	Styrofoam	:	(Thickness) 57 mm
<b>Bottom support</b>	:	Styrofoam	:	(Thickness) 95mm
<b>Carton base</b>	:	W x D x H	:	705 x 766 x 94mm
		Thickness / type	:	3.0mm / Single wall
<b>Accessories</b>	:	User Manual and WIFI manual, Warranty card Remote control, AAA Battery, EWPE QR Code Plastic drain cup, Screws (2pcs), anti bacterial filter.		

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

<b>Specifications :</b>	Phase	:	Single	
	Voltage	:	230 V~	
	Frequency	:	60 Hz	
	Cooling Capacity	:	19,080 (4320 – 21,420) kJ/h	
	Power Input	:	1606 (330 – 2000) W	
	Rated Input	:	2,100 W	
	Rated Current	:	9.5A	
	Nominal Capacity	:	2.0hp	
	EER	:	11.9 (13.1 – 10.7) kJ/hW	
	Max Discharge Pressure	:	4.3mPa	
	Max Suction Pressure	:	2.5mPa	
	Sound Pressure Level	:	53dB (A) Indoor	
		:	61dB (A) Outdoor	
	Moisture Protection	:	IPX4	
	Refrigerant	:	R32	
	Refrigerant Charge	:	0.64kg.	
BPS Certificate License No.	:	Product safety Q-2824		
<b>Unit Dimension</b>	:	Width	:	660 mm
		Depth	:	720 mm
		Height	:	430 mm
		Net weight	:	47.0 kg.
<b>Shell Cabinet :</b>	Appearance	:	White coated, no damages and with ventilation on both side and top. KOLIN logo and Full dc Inverter at the back.	
	Dimensions	:	(W x D x H) 660 x 660 x 430mm	
<b>Face Cover :</b>	Appearance	:	White color, with KOLIN logo and QUAD series	
	Dimensions	:	(W x D x H) 660 x 65 x 430mm	
<b>Air Filter :</b>	Appearance	:	White color / Dimension (W x H) 422 x 362mm	

<b>Air louver</b>	:	23 x 152mm (Horizontal) 14pcs. White (manual)
	:	39 x 235mm (Vertical) Black color (motorize)
<b>WIFI Kit</b>	:	CS532AE / IC : 12478A-CS532AEH / FCC ID : 2ADAP-CS532AEH 30110154
<b>Remote Type</b>	:	YAW1F7/ AAA battery 1.5 x 2
<b>Power cord spec's</b>	:	Length 1.5 meter, dirty white color SJT VW-1/105°C / 300V E23-919 3 x 16AWG (1.31mm <sup>2</sup> )

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

<b>Compressor Motor</b>	:	GREE / QXF-A139ZH170A 260-350V / 900-7200rpm / R32/R410A Zhuhai Landa Compressor Co. Rotary type/ LTD / Black coated
<b>OLP</b>	:	HPC 115/95 UI
<b>Fan Motor</b>	:	BRUSHLESS DC MOTOR FOR AIR-CONDITION ZW511a800055 / CJ100Z-ZL ( Part # 150104060068 ) DC310V / 100W / 10P / IP44 / ZHONGSHAN BROAD-OCEAN MOTOR CO .Ltd /White Coated casing
<b>Control box</b>	:	GI materials, with plastic base inside
<b>Electrolytic Capacitor:</b>	:	680µf / 450V / 105°C (3 pc.)
<b>Heat zinc</b>	:	Dimensions (W x D x H) 155 x 75 x 49mm/ 10 leaves Dimension (WxD x H) 27 x 83 x 22mm/ 24 leaves (include on board)
<b>Module (PCB)</b>	:	300027062059 (W28E13AMJ) / GRJ28E-A10 (V1) 2021/09/14/10 T2.0
<b>Panel Display</b>	:	300001060576 (D28EFI3GJ) / GRJ28E-B1 (V1) 2020/06/12/12 T1.6
<b>Swing Motor</b>	:	MP28ED / 12V / Step Motor
<b>Unit Sensors</b>	:	Temp. Sensor: GW 15K / Tube Sensor: GL 20K Outdoor Sensor : GW15K
<b>Evaporator</b>	:	310pcs. Blue Aluminum fins 3 rows of 60 lines of copper tube with Ø 7.0mm each Dimensions (L x H x W) 399 x 382 x 38 mm
<b>Condenser</b>	:	530pcs. Blue Aluminum fins (L curve design) 2 rows, 44 lines of copper tube with Ø 5.0mm each Dimension (L x H x W) 690 x 393 x 22 mm
<b>Tubing system</b>	:	Capillary tube (2pcs.) : Ø 2.0mm x 532mm length Suction tube : Ø 12.mm outside diameter High pressure tube : Ø 9.0mm outside diameter Strainer / Drier : 1 in 2 out

- Wheel blower** : Ivory color / ABS Plastic materials / 67 leaves  
Dimensions (Ø187mm x 81mm) Centrifugal flow
- Propeller Fan** : Ivory color / ABS Plastic materials / 5 Blades  
Dimensions (Ø392mm x 114mm) Axial flow
- Unit Base** : White coated metal materials
- Top cover / Divider** : Evaporator side: GI materials /Condenser side: Plastic materials
- FM Bracket** : Plastic materials, mounted on base.
- Blower Housing** : Styrofoam : Dimension (L x H x W) 582x384x234mm

**Inner Parts Image:**



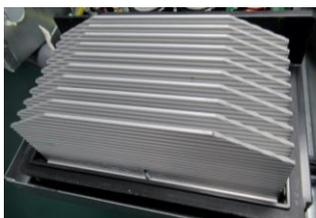
**Compressor Motor:**  
GREE / QXF-A139Zh170a  
260-350V / 900-7200rpm / R32/R410A  
Zhuhai Landa Compressor Co. LTD / Black coated  
Internal OLP



**Fan Motor:**  
Brushless DC Motor  
ZW511A800055/ CJ100Z-ZL  
DC310V / 100W / 10P / IP44 /  
Zhongshan / White Coated casing



**Electrolytic Capacitor:**  
680µf / 450V / 105°C (3 pc.) CD294



**Heat zinc:**  
Dimensions (W x D x H) 155 x 75 x 49mm/ 10 leaves



**Module (PCB):**

300027062059 ( W28E13AMJ )  
GRJ28E-A10 (V1) 2021/09/14/10 T2.0



**Panel Display:**

300001060576 ( D28EFI3GJ )  
GRJ28E-B1 (V1) 2020/06/12/12 T1.6



**WIFI kit:**

CS532AE / IC : 12478A-CS532AEH / FCC ID  
: 2ADAP-CS532AEH / 30110154



**Remote Control:**

YAW1F7/ AAA battery 1.5 x 2



**Swing Motor:**

MP28ED / 12V / Step Motor



**Evaporator:**

310pcs. Blue Aluminum fins  
3 rows of 60 lines of copper tube with Ø 7.0mm each  
Dimensions (L x H x W) 399 x 382 x 38 mm



**Condenser:**

530pcs. Blue Aluminum fins (L curve design)  
2 rows, 44 lines of copper tube with Ø 5.0mm each  
Dimension (L x H x W) 690 x 393 x 22 mm



**Tubing system:**

Capillary tube (2pcs.) : Ø 2.0mm x 532mm length  
Suction tube : Ø 12.0mm outside diameter  
High pressure tube : Ø 9.0mm outside diameter  
Strainer / Drier : 1 in 2 outs



**Wheel blower:**

Ivory color / ABS Plastic materials / 67 leaves  
Dimensions (Ø187mm x 81mm)



**Propeller Fan:**

Ivory color / ABS Plastic materials / 5 Blades  
Dimensions (Ø392mm x 114mm)