



To : Mr. Oliver M. Filoteo  
President / Chief Executive Officer  
From : Quality Control Department  
Re : Window type air-conditioner  
Date : January 21, 2026  
Reference no. : QCD-WAC-150GQAIINV32-25-11-06  
Cc : PCO / A De Rivera / Dept. concern

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Listed below are the specifications and parts of newly delivered Window type air-conditioner Quad series. driven by AI, Inverter, and with smart controller, received and inspected this January 19, 2025.

### **KA-150GQAIINV32 (1.5hp)**

**Model** : KA-150GQAIINV32  
**Description** : Remote control window type Inv. (QUAD AI SERIES) with WIFI  
**EAN Number** : 4 806508 236608  
**P/O Number** : KT-2509GR- 18  
**Lot Number** : 192125001  
**Serial number range** : 19212509-10001 to 11872 (1,872 units)  
**Printing Features** : Good and all labels are correct

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**Inspected units:** **Kolin Serial number** 19212509 – 10779 and 11837  
**Supplier Serial no.** 1309050000789 and 1309050001847



### **Remarks:**

1. First shipment of the new QUAD AI Series 1.5 HP inverter window-type air conditioner.
2. Carton box color and features are same from approved designed.
3. The label is complying to the declared specification.
4. The CSPF / Energy label was stucked on face cover using own adhesive.

5. The Main PCB, Display PCB, and remote control are different to sample unit.  
**See details on page 9.**

**Recommendations:**

Units are automatically for 100%-line inspection and testing, also need to put QR code on to warranty card and serial number on power cord.

**Note:** Inspected units are compared to Sample unit.

**Packaging and Carton box checking:**

<b>Packaging Dimensions</b>	W x D x H Gross weight	623 x 806 x 425 mm 42.0 kg.
<b>Packaging Support</b>	Top support : Bottom support :	Styrofoam / Thickness 24mm / 235.5g Styrofoam / Thickness : 23mm / 151.1g
<b>Carton Box</b>	W x D x H / Weight : Type / Thickness :	623 x 803 x 412 mm / 1,875g Double wall, BC flute / 6.0mm
<b>Carton base</b>	W x D x H / Weight : Type / Thickness	604 x 798 x 93mm / 480g Double wall, BE flute / 5.0mm
<b>Accessories</b>	<ol style="list-style-type: none"> <li>1. Owner/s Manual</li> <li>2. Smart Controller Manual</li> <li>3. Warranty Card</li> <li>4. Remote Control</li> <li>5. AAA battery</li> <li>6. Screw (2pcs)</li> <li>7. Drain Pan</li> </ol>	

**Unit checking for outer part:**

<b>Specifications:</b>	Phase	Single
	Voltage	230 V~
	Frequency	60 Hz
	Nominal Capacity	1.5hp
	Cooling Capacity	13,990 (4.197 – 15,389) kJ/h 3.89 (1.17-4.27)kW
	Power Input	1,010 (202 – 1,212) W



	Input Current	5.0 A
	Rated Power / Current	1,350 W / 5.9 A
	CSPF	5.53 ★★★★★
	Max Allowable Pressure	4.3mPa
	Max Discharge Pressure	4.3mPa
	Max Suction Pressure	2.5mPa
	Sound Pressure Level	50/47/44/dB (A)
	Moisture Protection	IPX4
	Refrigerant	R32
	Refrigerant Charge	0.44kg
	BPS Certificate License No.	Product safety & Quality Q-2824
<b>Unit Dimensions</b>	Width x Depth x Height	560 x 708 x 375mm
	Net weight	39 kg.
<b>Shell Cabinet</b>	Appearance	White color, powder coated metal. Air ventilation on both side and top.
	Dimensions W x D x H	560 x 670 x 375mm
	Back Logo ( Dimensions )	KOLIN ( 134mm x 21mm ) Full DC Inverter ( 44.5mm x mm )
<b>Face Cover</b>	Appearance	White color, plastic materials. With KOLIN, QUAD AI, and Full DC Inverter logo
	Dimensions (W x D x H)	560 x 44 x 375mm
	Swing louver (Horizontal) Swing louver (Vertical)	20 x 122mm /12pcs. / White (manual) 224 x 40 x 51mm / Black (motorize)
	Air intake panel (Dimensions): Front Kolin logo : Quad AI logo : Full DC Inverter logo:	387 x 26 x 370mm Cool gray color (size) 45 x 16.5mm Cool gray color (size) 50 x 22.5mm 37 X 9.5mm
	Air Filter (Appearance) : (Dimensions) :	White color 337mm x 297mm
<b>Power cord</b>	Color / Size : Specifications :	Dirty gray color / Length 1.5 meter SJT / 3 x 12AWG (0.224mm <sup>2</sup> ) 105° VW-1 / 300V / Rifeng

**Unit checking for inner part:**

<b>Compressor Motor</b>	Brand name: Model Number: Specifications: Manufacturer: Appearance:	GREE QXF-M098zA190 260-350V / 600-7200rpm / R32/R410A Zhuhai Landa Compressor Co. LTD Black coated
<b>Fan Motor</b>	Type: Part number: Model Specifications: Manufacturer: Appearance :	Permanent Magnet Brushless DC Motor 150104060089 ZWF-60G/ CJ60G-ZL / DC310V/ 60W/ 8P / IP44 / 1000r/min. Jiangsu Shangqi Group Co Ltd White Coated casing
<b>Control Module</b>	<b>Main Board</b>	300027064695 / W28E13DM GRJ28E-A8 (V1) T1.6 / 14
	<b>Electrolytic Capacitor</b>	680 $\mu$ f / 450V (2 pc.)
	<b>Heat zinc</b>	Dimensions (W x D x H) 132 x 49 x 39mm
	<b>Control box</b>	GI materials, with plastic base inside
	<b>Remote Control (Type)</b>	YAW1F9 / AAA battery 1.5V x 2
	<b>WIFI Kit (Model)</b>	WB61AR / 300145000145
	<b>Panel Display</b>	300001060571 (D28EF13FJ) GRJ28E-B1 (V1) 2024/05/15/14 T1.6
	<b>Swing Motor</b>	MP24VA / 12V / Step Motor ( 1pc.)
<b>Unit Sensors</b>	Temperature sensor: Tube sensor: Ambient Sensor: Tube Sensor: Compressor sensor:	GL 15K ( Evaporator ) 380mm (L) GL 20K ( Evaporator ) 632mm ( L) GL 15K / 450mm (L) GL 20K ( Condenser ) 874mm (L) GL 50K / 683mm (L)
<b>Evaporator</b>	Aluminum fins : Copper tubing : Dimensions :	274pcs. Blue fins (Straight design) 3 rows of 50 lines / $\varnothing$ 7.0mm (L x H x W)330 x 324 x 38mm Coated by Blue Resin Paint
<b>Condenser</b>	Aluminum fins : Copper tubing : Dimensions :	528pcs. Blue fins (L curve design) 2 rows, 36 lines with $\varnothing$ 5.0mm each (L x H x W) 633 x 343 x 23mm

<b>Tubing system</b>	Capillary tube (1pc.): Suction tube : High pressure tube : Strainer / Drier :	Ø 2.5mm x 1022mm length Ø 9.5mm outside diameter Ø 8.0mm outside diameter 1 in and 1 out
<b>blower Wheel</b>	Appearance: Dimensions :	Ivory color / ABS Plastic materials 67 leaves Ø193mm x 81mm
<b>Propeller Fan</b>	Appearance: Dimensions :	Ivory color / ABS Plastic materials / 5 Blades Ø350mm x 110mm
<b>Other Parts</b>	Unit Base:	White coated metal materials
	Top cover / Divider:	GI materials
	Fan Motor Bracket:	Metal materials, built-in to divider and mounted on base.

### Unit Inner Part Photo's and Spec's.

	<p style="text-align: center;"><b>COMPRESSOR</b></p> <p style="text-align: center;">GREE QXF-M098Za190 260-350V / 600-7200rpm / R32/R410A</p>
	<p style="text-align: center;"><b>FAN MOTOR</b></p> <p style="text-align: center;">Permanent Magnet Brushless DC Motor 150104060089 ZWF-60G/ CJ60G-ZL / DC310V/ 60W/ 8P / IP44 / 1000r/min.</p>



### MAIN BOARD

300027064695 / W28E13DM  
GRJ28E-A8 (V1) T1.6 / 14



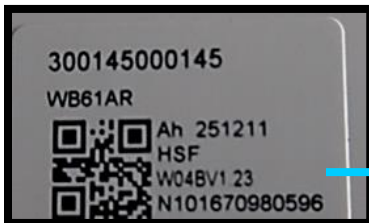
### ELECTROLYTIC CAPACITOR

680µf / 450V (2 pc.)



### DISPLAY BOARD

300001060571 (D28EF13FJ)  
GRJ28E-B1 (V1) 2024/05/15/14 T1.6



### WIFI MODULE

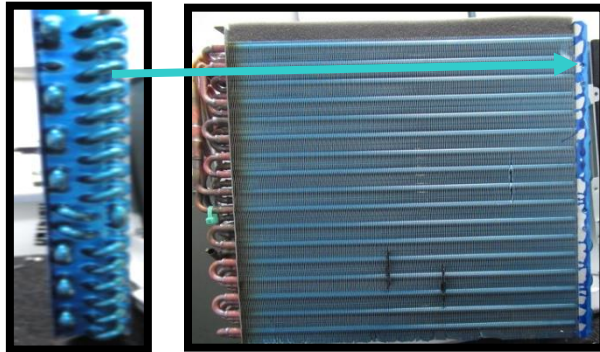
WB61AR / 300145000145



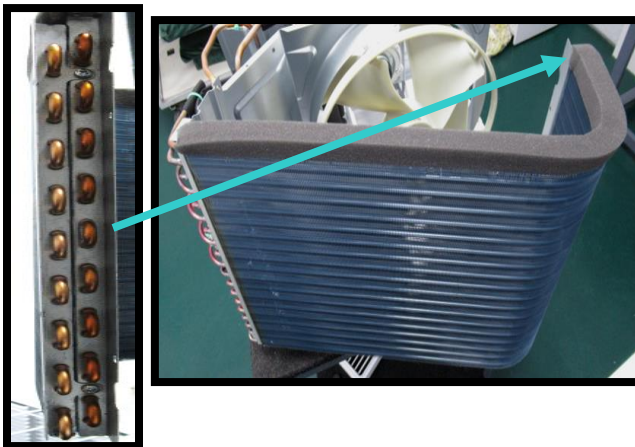
**SWING MOTOR**  
MP24VA / 12V / Step Motor ( 1pc.)



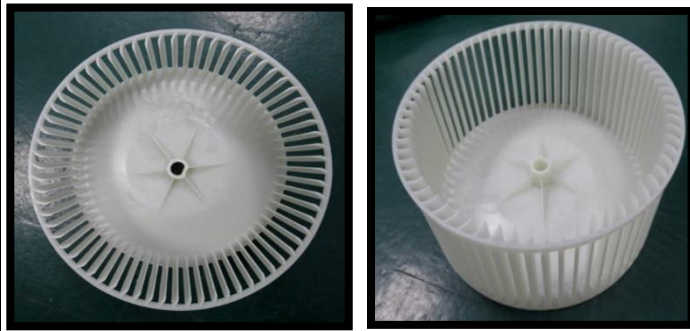
**REMOTE CONTROL**  
YAW1F9 / AAA battery 1.5V x 2



**EVAPORATOR**  
274pcs. Blue fins (Straight design)  
3 rows of 50 lines of Ø 7.0mm  
(L x H x W)330 x 324 x 38mm  
**The long U bend side was coated  
by Blue Resin Paint**



**CONDENSER**  
528pcs. Blue fins (L curve design)  
2 rows, 36 lines with Ø 5.0mm each  
(L x H x W) 633 x 343 x 23mm



## **BLOWER WHEEL**

Ivory color / ABS Plastic materials  
67 leaves  
Ø193mm x 81mm



## **PROPELLER FAN**





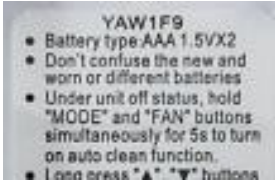
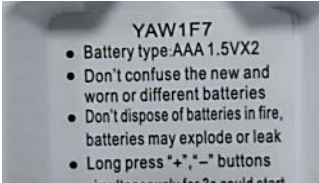
Ivory color / ABS Plastic materials / 5  
Blades Ø350mm x 110mm



## **ACCESSORIES**

Owner/s Manual  
Smart Controller Manual  
Warranty Card  
Remote Control  
AAA battery  
Screw (2pcs)  
Drain plug (mounted on base pan)

**COMPARISON OF KA-150GQAIINV32 TO SAMPLE UNIT**

<b>PARTS</b>	<b>KA-150GQAIINV32</b>	<b>SAMPLE UNIT</b>	<b>REMARKS</b>
<b>COMPRESSOR</b>	GREE QXF-M098zA190 260-350V / 600-7200rpm / R32/R410A	GREE QXF-M098z A190 260-350V / 600-7200rpm / R32/R410A	<b>SAME</b>
<b>FAN MOTOR</b>	Permanent Magnet Brushless DC Motor ZWF-60G/ CJ60G-ZL / 150104060089 DC310V/ 60W/ 8P / IP44 / 1000r/min.	Permanent Magnet Brushless DC motor ZWF-60G / CJ60G-ZL Part # 150104060089 DC310V / 60W / 8P / IP44 / 1000r/min	<b>SAME</b>
<b>MAIN BOARD</b>	<b>300027064695/W28E13DM</b> GRJ28E-A8 	<b>300027061444/W28E13YJ</b> GRJ28E-A8 	<b>DIFFERENT</b>
<b>DISPLAY BOARD</b>	<b>300001060571/D28EF13FJ</b> GRJ28E-B1 	<b>300001061257/D28EF13AAJ</b> GRJ28E-B1 	<b>DIFFERENT</b>
<b>WIFI KIT</b>	WB61AR / 300145000145	<b>NONE</b>	
<b>REMOTE CONTROL</b>	<b>YAW1F9</b> 	<b>YAW1F7</b> 	<b>DIFFERENT</b>

<b>BLOWER WHEEL</b>	Ivory color ABS Plastic materials 67 leaves Ø193mm x 81mm	Ivory color ABS Plastic materials 67 leaves Ø193mm x 81mm	<b>SAME</b>
<b>PROPELLER FAN</b>	Ivory color / ABS Plastic materials / 5 Blades Ø350mm x 110mm	Ivory color / ABS Plastic materials / 5 Blades Ø350mm x 110mm	<b>SAME</b>
<b>EVAPORATOR</b>	Blue fins (Straight design) 3 rows of 50 lines of Ø7.0mm (L x H x W) 330 x 324 x 38mm	Blue fins (Straight design) 3 rows of 50 lines of Ø 7.0mm (L x H x W) 330 x 324 x 38mm	<b>SAME</b>
<b>CONDENSER</b>	Blue fins (L curve design) 2 rows, 36 lines with Ø 5.0mm each (L x H x W) 633 x 343 x 23mm	Blue fins (L curve design) 2 rows, 36 lines with Ø 5.0mm each (L x H x W) 625 x 343 x 23mm	<b>SAME</b>

For your reference,

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