



To : Mr. Oliver M. Filoteo
President / Chief Executive Officer
From : Quality Control Department
Re : Window type air-conditioner
Date : January 27, 2026
Reference no. : QCD-WAC-250GQAIINV32-26-01-001
Cc : PCO / A De Rivera / Dept. concern

Listed below are the specifications and parts of newly delivered Window type air-conditioner Quad Driven by AI Inverter with smart controller, received and inspected this January 21, to 24 2026.

KA-250GQAIINV32 (2.5hp)

Model : KA-250GQAIINV32
Description : Remote control window type inverter (QUAD AI SERIES) with Wifi
EAN Number : 4 806508 236622
P/O Number : KT-2509GR-18
Lot Number : 192325001
Serial number range : 19232509-10001 to 10390 (390 units)
Printing Features : Good and all labels are correct

Inspected units: **Kolin Serial number** 19232509 – 10131 and 10127
Supplier Serial no. 1309150000137 and 1309350000133



Remarks:

1. First shipment of the new QUAD AI Series 2.5 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 sticked on face cover using own adhesive.
5. The Main PCB, Display PCB, and 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:

Packaging Dimensions	W x D x H Gross weight	739 x 890 x 505 mm 58 kg.
Packaging Support	Top support : Bottom support :	Styrofoam / Thickness 29mm Styrofoam / Thickness : 30mm
Carton Box	W x D x H / Weight : Type / Thickness :	741 x 881 x 495 mm / 2.600g. Double wall, BC flute / 7.0mm
Carton base	W x D x H / Weight : Type / Thickness	723 x 878 x 92mm / 430g Single wall, B flute / 3.0mm
Accessories	<ol style="list-style-type: none">1. Owner's Manual2. Smart Controller Manual3. Warranty Card4. Remote Control5. AAA battery6. Drain pan7. Screw (2pcs)	

Unit checking for outer part:

Specifications :	Phase	Single
	Voltage	230 V~
	Frequency	60 Hz
	Nominal Capacity	2.5hp
	Cooling Capacity	25,290 (7,587-27,819)kJ/h
		7.03(2.11-7.73)kW
	Power Input	1.870 (374-2,244) W
	Input Current	8.9 A
	Rated Power / Current	2,400 W / 10.5 A
	CSPF	5.39 ★★★★★
	Max Allowable Pressure	4.3 MPa
	Max Discharge Pressure	4.3 MPa
	Max Suction Pressure	2.5 MPa
	Sound Pressure Level	55/53/51 dB (A)
	Moisture Protection	IPX4
	Refrigerant / Charge	R32 / 0.71kg
BPS Certificate License No.	Product safety & Quality Q-2824	
Unit Dimensions	Width x Depth x Height	660 x 800 x 428mm
	Net weight	54 kg.



Shell Cabinet	Appearance	White color, powder coated metal. Air ventilation on both side and top.
	Dimensions W x D x H	660 x 761 x 427mm
	Back Logo (Dimensions)	KOLIN (190mm x 80mm) Green color Full DC Inverter (44mm x 11mm)
Face Cover	Appearance	White color, plastic materials. With KOLIN, QUAD AI, and INV. logo
	Dimensions (W x D x H)	653 x 65 x 427mm
	Swing louver (Horizontal) Swing louver (Vertical)	24 x 151mm /14pcs. / White (manual) 235 x 51 x 40mm / Black (motorize)
	Air intake panel (Dimensions): Front Kolin logo : Quad AI logo : Full DC Inverter logo:	450 x 30 x 425mm Cool gray color (size) 45 x 16mm Cool gray color (size) 50 x 22.5mm 37 x 9.5mm
	Air Filter (Appearance) : (Dimensions) :	White color 421mm x 362mm
Power cord	Color / Size : Specifications : Plug type:	Dirty White color / Length 1.5 meter SJT VW-1 105°C / 300V 3 x 14AWG 2.08mm ² / Wasung NEMA 6-15

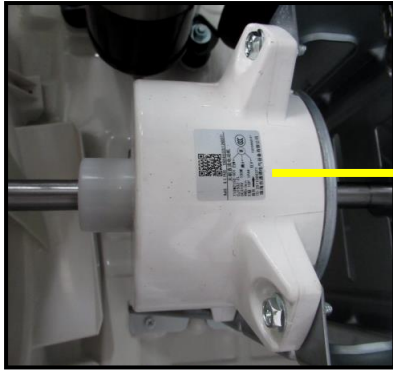
Unit checking for inner part:

Compressor Motor	Brand name: Model Number: Specifications: Manufacturer: Appearance:	GREE FTz-SM1511AXBD 260-350V / 900-7200rpm / R32/R410A / LRA-18 Zhuhai Landa Compressor Co. LTD Black coated Internal OLP
Fan Motor	Type: Part number: Model : Specifications: Manufacturer: Appearance :	150104060147 T10WZ150-801 / W150Z-ZL DC310V/ 150W/ 10P / IP44 / 990r/min. White Coated casing
Control Module	Main Board	300027064692 / W28E13DL GRJ28E-A10 (V1) T2.0 / A
	Electrolytic Capacitor	680µf / 450V (3 pc.)
	Heat zinc	Dimensions (W x D x H) 155 x 76 x 60mm
	Control box	GI materials, with plastic base inside
	Remote Control (Type)	YAW1F9 / AAA battery 1.5V x 2
	WIFI Module (Model)	300145000145 / WB61AR
	Panel Display Board	300001061696 (D28EF13AQJ) GRJ28E-B1 (V1) 2024/05/15/14 T1.6
Swing Motor	MP28ED / 12V / Step Motor (1pc.)	

Unit Sensors	Temperature sensor: Tube sensor: Temperature Sensor Tube Sensor: Comp. temp. sensor	GL 15K / 482mm (L) Evaporator Side GW 20K / 734mm (L) Evaporator Side GW 15K / 730mm (L) Condenser Side GW / 888mm (L) Condenser Side GL 50K / 685mm (L)
Evaporator	Aluminum fins : Copper tubing : Dimensions :	316pcs. Blue fins (Straight design) 3 rows of 60 lines of Ø 7.0mm (L x H x W) 402 x 381 x 39mm Coated by Blue Resin paint
Condenser	Aluminum fins : Copper tubing : Dimensions :	670pcs. Blue fins (C curve design) 3 rows, 60 lines with Ø 5.0mm each (L x H x W) 852 x 401 x 35mm
Tubing system	Capillary tube (1pc.): Suction tube : High pressure tube : Strainer / Drier :	Ø 2.3mm x 1.097mm length Ø 12mm outside diameter Ø 9.0mm outside diameter none
Wheel blower	Appearance: Dimensions :	Ivory color / ABS Plastic materials 70 leaves 6mm gap each Ø228mm x 110mm
Propeller Fan	Appearance: Dimensions :	Ivory color / ABS Plastic materials / 5 Blades Ø396mm x 143mm
Other Parts	Unit Base:	White coated metal materials
	Top cover / Divider:	Evaporator side - GI materials Condenser side - Plastic materials
	Fan Motor Bracket:	Plastic materials, built-in to divider and mounted on base.

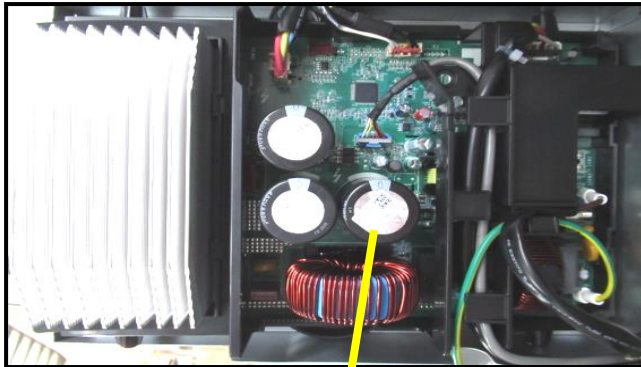
Unit Inner Part Photo's and Spec's.

		<p style="text-align: center;">COMPRESSOR</p> <p style="text-align: center;">GREE FTz-SM1511AXBD 260-350V / 900-7200rpm / R32/R410A / LRA-18</p>
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FAN MOTOR

150104060147
T10WZ150-801 / W150Z-ZL
DC310V/ 150W/ 10P / IP44 / 990r/min.



MAIN BOARD

300027064692 / W28E13DL
GRJ28E-A10 (V1) T2.0 / A



ELECTROLYTIC CAPACITOR

680μf / 450V (3 pc.)



DISPLAY BOARD

300001061696 (D28EF13AQJ)
GRJ28E-B1 (V1) 2024/05/15/14 T1.6



WIFI MODULE

300145000145 / WB61AR



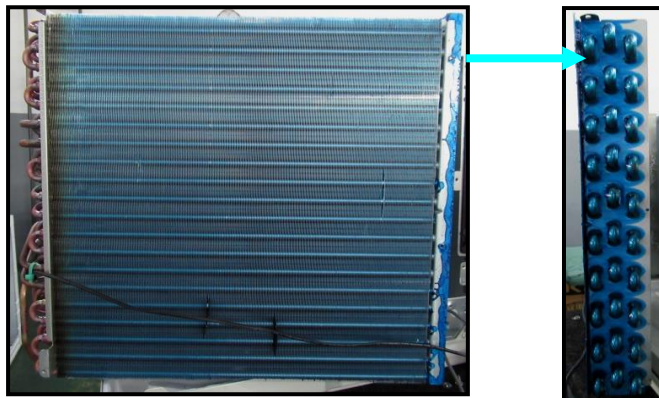
SWING MOTOR

MP28ED / 12V / Step Motor (1pc.)



REMOTE CONTROL

YAW1F9 / AAA battery 1.5V x 2



EVAPORATOR

Blue fins (Straight design)
3 rows of 60 lines of Ø 7.0mm
(L x H x W)402 x 381 x 39mm

**The long U bend side was coated
by Blue Resin Paint**



CONDENSER

Blue fins (C curve design)
3 rows, 60 lines with Ø 5.0mm each
(L x H x W) 852 x 401 x 35mm



BLOWER WHEEL

Ivory color / ABS Plastic materials
70 leaves 6mm gap each
Ø225mm x 110mm



PROPELLER FAN







Ivory color / ABS Plastic materials
5 Blades Ø396mm x 143mm



ACCESSORIES

Owner/s Manual
Smart Controller Manual
Warranty Card
Remote Control
AAA battery
Screw (2pcs)
Drain Pan

COMPARISON OF KA-250GQAIINV32 to 2.5hp SAMPLE UNIT

PARTS	KA-250GQAIINV32	2.5HP SAMPLE UNIT	REMARKS
COMPRESSOR	<p>GREE FTz-SM1511AXBD 260-350V / 900-7200rpm / R32/R410A / LRA-18</p>	<p>GREE FTZ-SM151AXBD 260-350V / 900-7200rpm / R32/R410A LRA-18</p>	SAME
FAN MOTOR	<p>150104060147 T10WZ150-801/W150Z-ZL DC310V/ 150W/ 10P / IP44 / 990r/min.</p> 	<p>Brushless DC motor ZW511A800059 / CJ150Z-ZL Part # 150104060147 DC310V / 150W / 10P / IP40</p> 	SAME Part number and specifications with different model only
MAIN BOARD	<p>300001061696 (D28EF13AQJ) GRJ28E-B1 (V1) T1.6</p> 	<p>300027062570 W28E13AWJ GRJ28E-A10 (V1) T2.0</p> 	DIFFERENT
DISPLAY BOARD	<p>300001061696 (D28EF13AQJ) GRJ28E-B1 (V1) 2024/05/15/14 T1.6</p> 	<p>300001061255 / D28EF13ABJ GRJ28E-B1 V1 2024/5/15/14 T1.6</p> 	DIFFERENT
WIFI MODULE	WB61AR / 300145000144	NONE	

REMOTE CONTROL	YAW1F9 / AAA battery 1.5V x 2	YAWIF9 / AAA battery 1.5Vx2	SAME
BLOWER WHEEL	Ivory color / ABS Plastic materials 70 leaves Ø225mm x 110mm	Ivory color /ABS Plastic materials 70 leaves Ø225mm x 110mm	SAME
PROPELLER FAN	Ivory color / ABS Plastic materials / 5 Blades Ø396mm x 143mm	Ivory color / ABS Plastic 5 Blades Ø396mm x 143mm	SAME
EVAPORATOR	Blue fins (Straight design) 3 rows of 60 lines Ø7.0mm (L x H x W) 402 x 381 x 39mm	Blue fins (Straight design) 3 rows of 60 lines Ø7.0mm (L x H x W) 402 x 381 x 38mm	SAME
CONDENSER	Blue fins (C curve design) 3 rows, 60 lines with Ø 5.0mm each (L x H x W) 852 x 401 x 35mm	Blue fins (C curve design) 3 rows, 60 lines with Ø 5.0mm each (L x H x W) 835 x 400 x 34mm	SAME

For your reference,

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