

To : Mr. Oliver M. Filoteo
Executive Vice President
From : Quality Control Department
Re : Window type air-conditioner
Date : December 10, 2021
Reference no. : KAG-250WCINV-21-12-001
Cc : FDF / A De Rivera / Dept. concern

Listed below are the specifications and parts of newly delivered Window type air-conditioner Inverter with smart controller received date December 9, 2021.

KAG-250WCINV (2.5hp)

Model : KAG-250WCINV
Description : Remote control window type inverter air-con with WIFI
EAN Number : 4 806508 235502
P/O Number : KT-2106GR-18
Lot Number : 191421001
Serial number range : 19142106-10001 to 10390 (390 units)
Printing Features : Good and all labels are correct

Remarks:

First shipment for the new model of 2.5hp window type air conditioner, with smart controller. Carton box color and features are same from approved designed. The unit label is comply on declared specifications. The inner parts and specifications are same supplier specification sheets. For DTI / BPS sampling.

Recommendations:

Units are automatically for 100% line inspection and testing, also need to include the WIFI manual on the accessories.

Note: No comparison on inspected unit, due to no sample unit received for this model. The LED display is clear, but the functional lights are blurred compared to KAG-75WCINV and KAG-100WCINV.

Inspected units: **Kolin Serial number** 19142106 - 10079 and 10123
Supplier Serial no. 1252510000086 and 12525100000130



Carton box and Packing dimensions checking:

Carton box	:	Width	:	739 mm
		Depth	:	890 mm
		Height	:	505 mm
		Gross weight	:	58.5 kg.
Top support	:	Styrofoam	:	(Thickness) 62 mm
Bottom support	:	Styrofoam	:	(Thickness) 87mm
Carton base	:	W x D x H	:	705 x 795 x 94mm
		Thickness / type	:	6.0mm / Double wall
Accessories	:	User Manual and WIFI manual, Warranty card Remote control, AAA Battery, EWPE QR Code Plastic drain cup, Screws, anti bacterial filter.		

Unit checking for outer part:

Specifications :		Phase	:	Single
		Voltage	:	230 V~
		Frequency	:	60 Hz
		Cooling Capacity	:	24,120 (5050 – 27,000) kJ/h
		Power Input	:	2160 (430 – 2650) W
		Rated Input	:	2920 W
		Rated Current	:	13.2A
		Nominal Capacity	:	2.5hp
		EER	:	11.2 (13.7 – 10.2) kJ/hW
		Max Discharge Pressure	:	4.3mPa
		Max Suction Pressure	:	2.5mPa
		Sound Pressure Level	:	56dB(A) Indoor 60dB(A) Outdoor
		Moisture Protection	:	IPX4
		Refrigerant	:	R32
		Refrigerant Charge	:	0.61kg.
		BPS Certificate License No.	:	Product safety Q-2824
Unit Dimension	:	Width	:	660 mm
		Depth	:	810 mm
		Height	:	430 mm
		Net weight	:	54.5 kg.
Shell Cabinet	:	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 750 x 430mm
Face Cover	:	Appearance	:	White color, with KOLIN logo and QUAD series
		Dimensions	:	(W x D x H) 660 x 65 x 430mm

Air Filter	:	Appearance	:	White color
		Dimensions	:	(W x H) 422 x 362mm
Air louver	:	23 x 152mm (Horizontal)	:	14pcs. White (manual)
	:	39 x 235mm (Vertical)	:	Black color (motorize)
WIFI Kit	:	CS532AE / IC : 12478A-CS532AFH / FCC ID : 2ADAP-CS532AEH 30110154		
Remote Type	:	YAW1F7/ AAA battery 1.5 x 2		
Power cord spec's	:	Length 1.5 meter, dirty white color SJT VW-1/105°C / 300V E23-919 3 x 14AWG (2.08mm ²)		

Unit checking for inner part:

Compressor Motor	:	GREE / QXFS-B148z X030BA 260-350V / 900-7200rpm / R32/R410A Zhuhai Landa Compressor Co. Rotary type/ LTD / Black coated		
OLP	:	KSD 115°C		
Fan Motor	:	BRUSHLESS DC MOTOR FOR AIR-CONDITIONAL FAN ZW601C500010 / CJ190A-ZL (Part # 150104060066) DC310V / 190W / 10P / IP44 / 1060r/min. ZHONGSHAN BROAD-OCEAN MOTOR CO .Ltd /Black Coated casing		
Control box	:	GI materials, with plastic base inside		
Electrolytic Capacitor:	:	680µf / 450V / 105°C (2 pc.)		
Heat zinc	:	Dimensions (W x D x H) 65 x 185 x 75mm/ 10 leaves Dimension (WxD x H) 80 x 24 x 20mm/ 24 leaves (include on board)		
Module (PCB)	:	300027062040 (W28E13AHJ) / GRJ28E-A6 (V1) 2020/09/30/11 T2.0		
Panel Display	:	300001060576 (D28EFI3GJ) / GRJ28E-B1 (V1) 2020/06/12/12 T1.6		
Swing Motor	:	MP28ED / 12V / Step Motor		
Unit Sensors	:	Temp. Sensor: GW 15K / Tube Sensor: GL 20K		
Evaporator	:	355pcs. Blue Aluminum fins (Curve design) 2 rows of 40 lines of copper tube with Ø 7.0mm each Dimensions (L x H x W) 415 x 381 x 25 mm		
Condenser	:	642pcs. Blue Aluminum fins (C curve design) 2 rows, 40 lines of copper tube with Ø 5.0mm each Dimension (L x H x W) 820 x 400 x 23 mm		

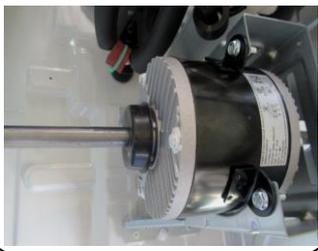
Tubing system	:	Capillary tube (3pcs.) :	Ø 2.3mm x 358mm length
		Suction tube :	Ø 12.mm outside diameter
		High pressure tube :	Ø 9.5mm outside diameter
		Strainer / Drier :	1 in 3 out
Wheel blower	:	Ivory color / ABS Plastic materials / 70 leaves	Dimensions (Ø227mm x 110mm) Centrifugal flow
Propeller Fan	:	Ivory color / ABS Plastic materials / 5 Blades	Dimensions (Ø396mm x 140mm) Axial flow
Unit Base	:	White coated metal materials	
Top cover / Divider	:	Evaporator side: GI materials /Condenser side: Plastic materials	
FM Bracket	:	Plastic materials, built-in to divider and mounted on base.	

Inner Parts Image:



Compressor Motor:

GREE / QXFS-B148Zx030BA
 260-350V / 900-7200rpm / R32/R410A
 Zhuhai Landa Compressor Co. LTD / Black coated
 Internal OLP



Fan Motor:

Brushless DC Motor
 ZW601C500010 / CJ190A-ZL
 DC310V / 190W / 10P / IP44 / 1060r/min.
 Zhongshan / black Coated casing



Electrolytic Capacitor:

680µf / 450V / 105°C (2 pc.)



Heat zinc:

Dimensions (W x D x H) 65 x 185 x 75mm/ 10 leaves



Module (PCB):

300027062040 (W28E13AHJ)
GRJ28E-A6 (V1) 2020/09/30/11 T2.6



Panel Display:

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



WIFI kit:

CS532AE / IC : 12478A-CS532AFH / FCC ID
: 2ADAP-CS532AEH / 30110154



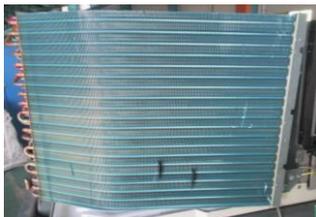
Remote Control:

YAW1F7/ AAA battery 1.5 x 2



Swing Motor:

MP28ED / 12V / Step Motor



Evaporator:

355pcs. Blue Aluminum fins (Curve design)
2 rows of 40 lines of copper tube with Ø 7.0mm each
Dimensions (L x H x W) 415 x 381 x 25 mm



Condenser:

642pcs. Blue Aluminum fins (C curve design)
2 rows, 40 lines of copper tube with Ø 5.0mm each
Dimension (L x H x W) 820 x 400 x 23 mm



Tubing system:

Capillary tube (3pcs.) : Ø 2.3mm x 358mm length
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Strainer / Drier : 1 in 3 outs



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Ivory color / ABS Plastic materials / 70 leaves
Dimensions (Ø227mm x 110mm)



Propeller Fan:

Ivory color / ABS Plastic materials / 5 Blades
Dimensions (Ø396mm x 140mm)