



To : Mr. Oliver M. Filoteo
Executive Vice President / COO
From : Quality Control Department
Re : Portable air-conditioner
Date : June 04, 2024
Reference no. : QCD-PAC-100R10N410-24-06-001
Cc : FDF / A De Rivera / Dept. concern

Listed below are the specifications and parts of newly delivered Non-inverter Portable Air-conditioner, received and inspected this May 30, 2024.

KPA-100R10N410

Model : KPA-100R10N410
Description : Remote Control Non-Inverter Portable Air-conditioner
EAN Number : 4 806508 236073
P/O Number : KT-2401OU-01
Lot Number : 240123001
Serial number range : 24012312-10001 to 10592 (592 units)
Printing Features : Good and all labels are correct

Inspected units: Kolin Serial number 24012312 – 10286, 10221, 10332 and 10208



Remarks:

1. First shipment of Non-Inverter Portable Air conditioner 1.0 Hp, a new KOLIN product.
2. Carton box and features are same from approved design.

Recommendations:

Units are automatically for 100% line inspection and testing. Put QR code to warranty . Also recommended for performance evaluation, and life testing.

Note: No sample unit for comparison, all reported details and specification are based on actual unit inspected.

Packaging and Carton box checking:

Packaging Dimensions	W x D x H Gross weight	380 x 356 x 875 mm 26.0 kg.
Packaging Support	Top support : Bottom support :	Styrofoam / Thickness 31mm Styrofoam / Thickness : 19mm
Carton Box	W x D x H / Weight : Type / Thickness :	384 x 359 x 873 mm / 1340grams Double wall, BE flute / 3.0mm
Carton base	W x D x H / Weight : Type / Thickness	365 x 343 x 30mm / 245g
Accessories	1. Owner 's Manual 2. Warranty Card 3. Remote control 4. Exhaust Hose 5. Hose connector 6. Window kit Adapter 7. Drainage Pipe 8. Window kit Bolt & nut	

Unit checking for outer part:

Specifications :	Phase	1Ph
	Voltage	230V~
	Frequency	60 Hz
	Nominal Capacity	1.0 hp
	Cooling Capacity	9,495 kJ/h 2.64 kW
	Power Input	1005 W
	Input Current	4.5 A
	Max. Suction Pressure	0.7 MPa
	Max. Discharge Pressure	3.2 MPa
	Sound Pressure level	65 dB (A) High
	Moisture Protection	IPX1
	Refrigerant Type	R410A
	Refrigerant Charge	330g
Unit Dimensions	Width x Depth x Height	310 x 315 x 700mm
	Net weight	22.5 kg.
Unit Casing	Appearance:	White color plastic material, air intake on upper back with filet and air outlet on lower back , hot air Exhaust outlet on back part.
	Dimension:	315 x 310 x 650mm

	Front Logo (Appearance): (dimension):	KOLIN (Cool Gray color) (45mm x 16.mm)
	Swing louver (Appearance) (L x H)	White color / Plastic Material / 5pcs 247 x 30mm /(Manual) Horizontal
		White color / plastic material / 1pc 20 x 131mm / Vertical
	Air Intake Panel (Appearance) Dimension: (L x H)	White color/ Plastic Material with Filter 289 x 221mm
	Air Outlet Filter (Appearance) Dimension: (L x H)	White Color / Plastic material with filter 255 x 250mm
	Control Panel (Appearance) Dimension:	Black color / Plastic Material 425 x 275 x 10mm
Power Cord	Color / Size : Specifications :	Gray color / (length) 1955mm SJT / 3/C / 300V / 105°C / (1.31mm²)/ (16AWG)

Unit checking for inner part:

Compressor Motor	Brand name: Model Number: Specifications: Manufacturer: Appearance:	GMCC KSN82N01VZZ 208-230V ~ / 60Hz / R32 / R410A Black coated casing
Fan motor	Brand name: Model Number: Part Number: Specification: Manufacturer: Appearance:	None YDK65-4L (A015-09L-203D) 030524 / 0152 J1 60437 220V ~ / 60Hz / 65W / 0.7A / 4P / 5uf / 450V Zhejiang Oulun Electric Co. ltd Galvanized Casing
Control Module	Main PCB	102060500102003/ A011D1-R M083A-E147002 / QC05 / 24.04.29 OL-A011-POWR-PLUS / 20200103/VER1.0
	Display & Control Board	102070500102064/ A010M-R.D 84A3-0BEE-132 / QC07 / 24.04.16 OL –A010M-D / 20220720 REV .1.1
	Signal Sensor Board	LC- OL-A6A-REC / 20190706 / REV.1.0 Wire length 267mm
	FM Capacitor	5uf /+/-5% / 450VAC / 50-60Hz C61-P2-31 / SH C61-P2
	Water Motor	OL48-20 / AC220V / 60Hz Zhejiang Oulun Electric Co. Ltd
	Water wheel	White plastic material / Ø 79 x 3.5mm
	SR Capacitor	30uf / +/-5% / 450VAC / 50-60Hz CBB65
	Floater Switch	No spec's / 695mm
	Remote Control (Type)	White color no spec's
	Swing Motor	None
	Control Box	GI Material
Unit Sensors	Temperature sensor: Tube sensor:	1215mm (No spec's) 1190mm (No spec;s)

Evaporator	Aluminum fins : Copper tubing : Dimensions :	368pcs. Blue fins (curve design) 2 rows of 20 lines of Ø 7.0mm (L x H x W)390 x 231 x 25mm
Condenser	Aluminum fins : Copper tubing : Dimensions :	177pcs. Silver fins (Straight design) 4 rows of 64 lines of Ø 5.0mm (L x H x W)230 x 266 x 28mm 13mm with 11mm gap
Tubing system	Capillary tube (1pc.): Suction tube : High pressure tube : Strainer / Drier :	Ø 2.0mm Ø 8.0mm outside diameter Ø 8.0mm outside diameter None
Wheel Blower Evaporator side	Appearance: Dimensions :	Dirty White color / Plastic material Ø 160mm x 130mm (40 Leaves)
Wheel Blower Condenser side	Appearance: Dimensions :	Yellowish color / Plastic material Ø 204mm x 80mm (61 Leaves)
Other Parts	Drain pan (Appearance) Dimension: L x H x W	Black color / Plastic material 291 x 20 x 291mm
	Evaporator Blower Housing Dimension: W x D x H	Black color / Plastic material / 245 x 259 x 237mm
	Condenser Blower Housing Dimension: W x D x H	Black color / Plastic Material 293 x 290 x 96mm
	Unit Base Dimension: W x D x H	White color / Plastic Material 291 x 293 x 53mm
	Wheels:	Black color / plastic material / (4pcs)
Accessories	Exhaust Hose Dimension	Dirty White color Ø 146 x 237mm / 1680mm max stretched
	Window Kit Dimension	Light Gray color / 116 x 651 mm 1222mm Maximum / 883 minimum
	Window Kit Adapter Dimension	White color / Plastic material Ø 154 / 87 x 244mm
	Hose Connector	White color / Plastic Material Ø 154 x 106 x 137mm

UNIT PARTS APPEARANCE



COMPRESSOR MOTOR

GMCC
KSN82N01VZZ
208-230V ~ / 60Hz / R32 / R410A



FAN MOTOR

YDK65-4L (A015-09L-203D)
030524 / 0152 J1 60437
220V ~ / 60Hz / 65W / 0.7A / 4P / 5uf / 450V



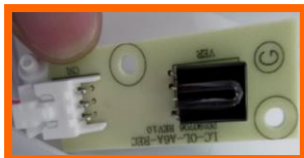
MAIN PCB BOARD

102060500102003/ A011D1-R
M083A-E147002 / QC05 / 24.04.29
OL-A011-POWR-PLUS / 20200103/VER1.0



DISPLAY & CONTROL BOARD

102070500102064/ A010M-R.D
84A3-0BEE-132 / QC07 / 24.04.16
OL -A010M-D / 20220720 REV .1.1



SIGNAL SENSOR BOARD

LC- OL-A6A-REC / 20190706 / REV.1.0



FM CAPACITOR

5uf /+/-5% / 450VAC / 50-60Hz



SR CAPACITOR

30uf / +/-5% / 450VAC / 50-60Hz CBB65



WATER MOTOR

OL48-20 / AC220V / 60Hz



FLOATER SWITCH



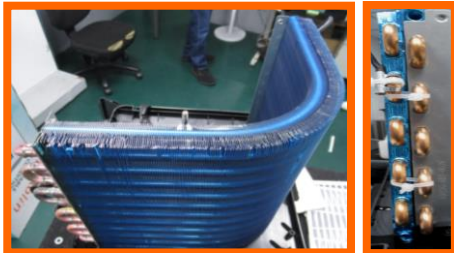
REMOTE CONTROL



**WHEEL BLOWER
(EVAPORATOR SIDE)**
Dirty White color / Plastic material
Ø 160mm x 130mm (40 Leaves)



**WHEEL BLOWER
(CONDENSER SIDE)**
Yellowish color / Plastic material
Ø 204mm x 80mm (61 Leaves)



EVAPORATOR
368pcs. Blue fins (curve design)
2 rows of 20 lines of Ø 7.0mm
(L x H x W)390 x 231 x 25mm



CONDENSER
177pcs. Silver fins (Straight design)
4 rows of 64 lines of Ø 5.0mm
(L x H x W)230 x 266 x 28mm



ACCESSORIES