



To : Mr. Oliver M. Filoteo
Chief Executive Officer
From : Quality Control Department
Re : Split type air-conditioner
Date : December 13, 2024
Reference no. : QCD-SAC-20IWAH-I -24-12-001
Cc. : FDF. / A De Rivera /Dept. concern

Listed below are the specifications and parts for the new model of Versa match Multi Split type air conditioner, received and inspected this December 11, 2024.

KVM-20IWAH-I (2.0hp) (Versa Match)
INDOOR UNIT

Details checking:

Model : KVM-20IWAH-I
Description : 2.0hp Wall mounted Inverter Versa match Air-con.
EAN Number : 4 806508 236189
P/O Number : KT-2407GR-18
Lot number : 156224001
Serial number range : 15622407-10001 to 10040 (40 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 15622407-10019, 10020, 10002 and 10031
Supplier Serial no. 4V08740000053, 00054, 00036 and 00065



Remarks:

First shipment for new model of multi split type inverter VERSA MATCH series. The carton box packaging dimensions, and specs are based on approved designed. The internal parts inspected are based on the actual unit.

Recommendations:

1. For rework to attach the QR code on warranty card.
2. For internal performance, functional and life testing.

Note: All details and specifications reported are based on the actual unit inspected, And supplier's spec's sheets, no sample unit for the comparisons.

Packaging and Carton box checking:

Packaging Dimensions:	W x D x H Gross weight	1013 x 406 x 325mm 15.5 kg.
Carton Box Dimensions:	W x D x H / Weight: Type / Thickness:	1016 x 410 x 330mm / 2050 grams Double wall, BC flute / 7.0mm
Packaging Support:	Right side support: Left side support: Poly plastic bag:	Styrofoam / Thickness: 32mm / 0.190g. Styrofoam / Thickness: 32mm / 0.190g. Weight: 0.040 and 0.015 grams
Accessories:	Owner's Manual Warranty card, Remote Controller, AAA Battery Remote Holder Screw (2pcs) Screw & clip anchor (5pcs) Flare nut, nut Ø1/4 and Ø1/2	

Unit checking for outer part:

Specifications	Phase	Single
	Volts	230 V~
	Frequency	60Hz
	Nominal Capacity	2.0hp
	Cooling Capacity	18,990 kJ/h 5.27kW
	Max Discharge Pressure	4.3 MPa
	Max Suction Pressure	2.5 MPa
	Fan Motor Power Input	64.5 Watts / 1.0 Amperes
	Moisture Protection	IPX0
	Sound Pressure level	45 dB(A) High
	Refrigerant type	R 32
	Refrigerant Piping	1/4" & 1/2"
Unit Dimension	W x D x H Net weight	943 x 246 x 333mm 13.0 kg
Appearance	Glossy white casing, plastic materials LED display on right side. Center KOLIN logo and INVERTER logo on right side.	
Front panel	Dimensions (W x H)	940 x 285 x 72mm
Kolin Logo	Color / Dimensions (W x H)	Cool Gray / 45 x 16 mm
Inverter Logo	Color / Dimensions (W x H)	Green / 70 x 17 mm
Air Filter	Color / Dimensions	White / 714 x 212 mm
Wall Bracket	Materials / Dimension (W x H)	GI Metal / 517 x 308 mm
Swing Louver:	Horizontal (Dimension) Vertical (Dimension)	811 x 31 x 87mm (1pc) Motorized 585 x 65 x 35mm (10pcs) Motorized
Power Cord:	No power cord	

Unit checking for inner part:

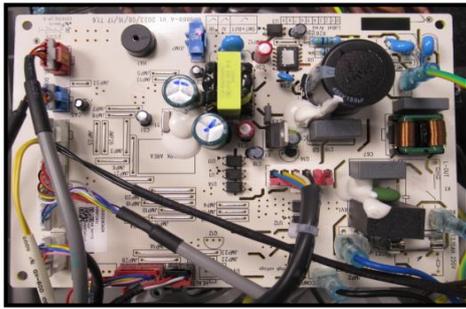
Blower Fan Motor:	Type: Model: Part number: Specifications: Manufacturer: Appearance: Dimensions:	Brushless DC motor ZWR45-B / FN45B-2L (10P) 15010406008801 DC 310V / 45W / 1500r/min / 10P/ IP20 Zhuhai kaibang motor White coated casing Ø92 x 82mm
Control Module:	Main PCB:	300002063424 / M869F2BGJ GRJ869-A (V1) 2023/08/16/17 T1.6
	Display PCB:	300001061359 / D5685AC GRJ568-B3 (V1) 2022 / 04 / 06 / 11 T1.6
	Ionizer:	NET ION Generator HB-102D3 Input Voltage: 12v Power: ≤ 1W Zhenjiang Hanbang Technology
	Remote Control:	(Type) YAP 1F / AAA Battery / 1.5V x 2
	Control Box:	White Plastic materials
Swing Motor:	Horizontal: Vertical:	Step Motor / MP35CJ / 12V Step Motor / MP24HF 12V
Unit Sensor:	Temperature / Tubing	HF 15K / HF 20K
Evaporator:	Aluminum fins: Copper tubing: Dimensions:	610pcs. Blue Aluminum fins 2 rows of 28 lines with Ø5.0mm each (L x H x W) 703 x 318 x 23mm
Copper tube:	High side / Low side	Ø1/4" and Ø1/2" with flare cover (plastic)
Wheel blower:	Appearance: Dimension:	Green color / ABS Plastic materials Ø108mm x 691mm
Back casing:	Appearance: Dimension: W x D x H)	Light gray color, plastic material 920 x 215 x 322mm

Unit inner part / spec's



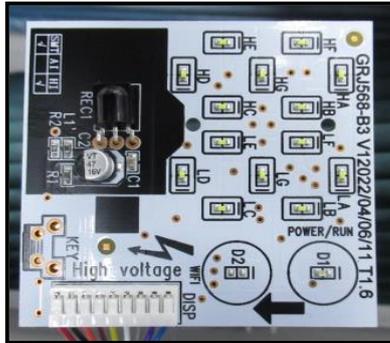
FAN MOTOR

ZWR45-B / FN45B-2L (10P)
15010406008801
DC 310V / 45W / 1500r/min / 10P/ IP20



MAIN PCB

300002063424 / M869F2BGJ
GRJ869-A (V1) 2023/08/16/17 T1.6



DISPLAY PCB

300001061359 / D5685AC
GRJ568-B3 (V1) 2022 / 04 / 06 / 11 T1.6



IONIZER

NET ION Generator
HB-102D3
Input Voltage: 12v
Power: ≤ 1W



REMOTE CONTROLLER

YAP 1F
AAA Battery / 1.5V x 2



SWING MOTOR

Step Motor / MP35CJ / 12V
Step Motor / MP24HF 12V



EVAPORATOR

Blue Aluminum fins
2 rows of 28 lines with Ø5.0mm each
(L x H x W) 703 x 318 x 23mm

	<p style="text-align: center;">COPPER TUBE</p> <p style="text-align: center;">Ø1/4” and Ø1/2” with flare cover</p>
	<p style="text-align: center;">BLOWER WHEEL</p> <p style="text-align: center;">Green color / ABS Plastic materials Ø108mm x 691mm</p>
	<p style="text-align: center;">ACCESSORIES</p> <p style="text-align: center;">Owner’s Manual Warranty card, Remote Controller AAA Battery Remote Holder Screw (2pcs) Screw & clip anchor (5pcs) Flare nut, nut Ø1/4 and Ø1/2</p>

For your reference,

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Noted by : Alberto I. Francisco
QC, Asst. Supervisor

Approved by : Mr. Fernando D. Feliciano
Plant Operations Manager