



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-20ISAH-I -24-12-001  
Cc. : FDF. / A De Rivera /Dept. concern

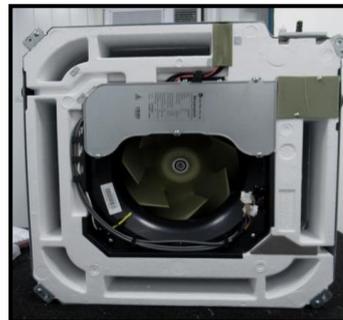
Listed below are the specifications and parts for the new model of Versa match Multi Split type air conditioner, received and inspected this December 11, 2024.

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

**Details checking:**

**Model** : KVM-20ISAH-I  
**Description** : 2.0hp Ceiling Cassette Inverter, Versa match Air-con.  
**EAN Number** : 4 806508 236264  
**P/O Number** : KT-2407GR-18  
**Lot number** : 157024001  
**Serial number range** : 15702407-10001 to 10005 (5 units)  
**Printing Features** : Good, clear, and correct

**Inspected units:** **Kolin Serial number** 15702407-10005, 10002, 10004 and 10003  
**Supplier Serial no.** 9CL9540000006, 00003, 00005 and 00004



**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:

<b>Packaging Dimensions:</b>	W x D x H Gross weight	698 x 653 x 295mm 22.0 kg.
<b>Carton Box Dimensions:</b>	W x D x H / Weight: Type / Thickness:	695 x 655 x 290mm / 1580 grams Double wall, BC flute / 6.0mm
<b>Packaging Support:</b>	Top support: Bottom support: Foam support: Carton board:	Carton 675 x 630 x 112mm / 0.595g. Carton 670 x 630 x 123mm / 0.940g. White color, Thickness: 10mm / 0.085g. Thickness: 6.0mm
<b>Accessories:</b>	Owner's Manual, Warranty card Remote Controller, AAA Battery Remote Holder, Screw (2pcs) Foam w/ adhesive (300 x 60mm) (150 x 60mm) (300 x 45mm) Pipe insulation sheath (15 x 160mm) 2pcs. Sumi tube (210mm) 1pc. Gum type sealer (245g) Insulation tape (50mm) 2pcs. Drain hose (Ø31 x 252mm) Screw (45mm) 4pcs. Screw (42mm) 4pcs. Washers (10 pcs), Cable ties (6pcs.). Flare nut Ø1/4 and Ø1/2	

### Unit checking for outer part:

<b>Specifications</b>	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	43 Watts / 1.0 Amperes
	Moisture Protection	IPX0
	Sound Pressure level	38 dB(A) High
	Refrigerant type	R 32
Refrigerant Piping	1/4" & 1/2"	
<b>Unit Dimension</b>	W x D x H Net weight	570 x 570 x 265mm 17.0 kg
<b>Appearance</b>	GI casing, metal materials with 9.0mm thickness	

### Unit checking for inner part:

<b>Blower Fan Motor:</b>	Type: Model: Part number: Specifications: Manufacturer: Appearance:	Brushless DC motor B-FN30C-ZL (ZWK465B500027) PART # 150104060012 DC310V / 30W / 1000 r/min / 8P/ IP20 Zhongshan Broad-Ocean White coated casing
<b>Control Module:</b>	<b>Main PCB:</b>	300002061959 / Z4M551GJ GRZ4M-A17 (V1) 2024 / 07/ 24 / 13 TI.6
	<b>Capacitor:</b>	Included on PCB 450V / 150µf ( 1pc. )
	<b>Drain Pump</b>	PSB-0.024 / 1.2-A DC12V / 1200mm / 400ml / min 4.2 W / 0.32A / 4313800005802
	<b>Remote Control:</b>	(Type) YAP 1F / AAA Battery / 1.5V x 2
	<b>Control Box:</b>	GI and Plastic materials
<b>Unit Sensor:</b>	Temperature / Tubing	GL/GW 15K / GL/GW 20K
<b>Evaporator:</b>	Aluminum fins: Copper tubing: Dimensions:	855pcs. Blue Aluminum fins 2 rows of 24 lines with Ø7.0mm each (L x H x W) 1275 x 228 x 26mm
<b>Copper tube:</b>	High side / Low side	Ø1/4" and Ø1/2" with flare cover (plastic)
<b>Wheel blower :</b>	Appearance: Dimension:	Yellowish color / ABS Plastic materials Ø315mm x 162.5mm / 7 Blades
<b>Drain pan:</b>	Appearance: Dimension:	Plastic coated styrofoam (Blue color) 563 x 563 x 88mm
<b>Blower housing:</b>	Appearance: Dimension:	Black color, plastic materials 369 x 347 x 80mm

### Unit inner part / spec's

	<p style="text-align: center;"><b>FAN MOTOR</b></p> <p style="text-align: center;">Brushless DC motor B-FN30C-ZL (ZWK465B500027) PART # 150104060012 DC310V / 30W / 1000 r/min / 8P/ IP20</p>
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### MAIN PCB

300002061959 / Z4M551GJ  
GRZ4M-A17 (V1) 2024 / 07/ 24 / 13 TL.6



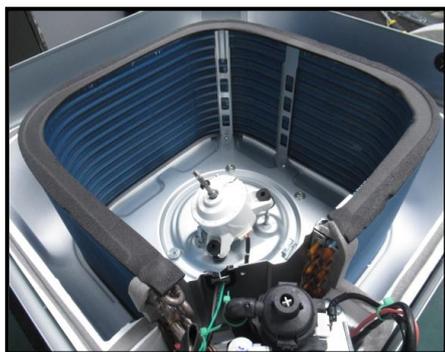
### DRAIN PUMP

PSB-0.024 / 1.2-A  
DC12V / 1200mm / 400ml / min  
4.2 W / 0.32A



### REMOTE CONTROLLER

YAP 1F  
AAA Battery / 1.5V x 2



### EVAPORATOR

Blue Aluminum fins  
2 rows of 24 lines with  $\text{\O}7.0\text{mm}$  each  
(L x H x W) 1275 x 228 x 25mm



### COPPRE TUBE

$\text{\O}1/4''$  and  $\text{\O}1/2''$  with flare cover



### BLOWER WHEEL

Yellowish color  
ABS Plastic materials  
Ø315mm x 162.5mm



### ACCESSORIES

Owner's Manual, Warranty card  
Remote Controller, AAA Battery  
Remote Holder, Screw (2pcs)  
Foam w/ adhesive  
Pipe insulation sheath (15 x 160mm) 2pcs.  
Sumi tube (210mm) 1pc. Gum type sealer  
Insulation tape (50mm) 2pcs. Drain hose  
Screw (45mm) 4pcs. Screw (20mm) 4pcs.  
Washers (10 pcs)  
Cable ties (6pcs.)  
Flare nut Ø1/4 and Ø3/8

## Packaging and Carton box checking:

### KVM-XXISAH-P (Versa Match) INDOOR PANEL

#### Details checking:

**Model** : KVM-XXISAH-I  
**Description** : Ceiling Cassette Inverter, Panel Versa match  
**Printing Features** : Good, clear, and correct

**Inspected units:**    **Supplier Serial no.**    9P40140070994, 00995 / 10006 / 10003



<b>Packaging Dimensions:</b>	W x D x H Gross weight	701 x 701 x 125mm 4.5 kg.
<b>Carton Box Dimensions:</b>	W x D x H / Weight: Type / Thickness:	692 x 692 x 100mm / 0.755 grams Double wall, BC flute / 7.0mm
<b>Carton Base:</b>	W x D x H / Weight: Type / Thickness:	680 x 680 x 100mm / 0.735 grams Double wall, BC flute / 7.0mm
<b>Packaging Support:</b>	4 Corner support: Poly bag:	Styrofoam 21mm / 0.045g. 0.025g.

**Unit checking for outer part:**

<b>Panel Dimension</b>	W x D x H Net weight	620 x 620 x 55mm 3.0 kg
<b>Appearance</b>	White casing, with panel display and 4 sides swing louver.	
<b>Kolin Logo</b>	Color / Dimensions (W x H)	Cool Gray / 35 x 13mm
<b>Inverter Logo</b>	Color / Dimensions (W x H)	Green / 50 x 12 mm
<b>Air Intake panel</b>	Color / Dimensions	White color, plastic materials 409 x 409 x 30mm
<b>Air Filter</b>	Color / Dimensions	Black color, w/ plastic frame Dimensions: 345 x 351mm
<b>Swing louver</b>	Dimensions	280mm x 40mm (4pcs.)
<b>Display Board:</b>	300001060286 / D5313BB GRJ518-B (V2) 2018 / 05/ 30 / 20 TL.6	
<b>Swing motor:</b>	4 Sides: MP24AF / 12V (4 pcs.)	

**Panel parts / spec's**

	<p style="text-align: center;"><b>DISPLAY BOARD</b></p> <p>300001060286 / D5313BB GRJ518-B (V2) 2018 / 05/ 30 / 20 TL.6</p>
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**SWING MOTOR**

4 Sides: MP24AF / 12V (4 pcs.)

For your reference,

Prepared by : Jayson L. Pagacita  
Quality Control Staff

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

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