To	:	Mr. Oliver M. Filoteo Chief Executive Officer
From	:	Quality Control Department
Re	:	Split type air-conditioner
Date	:	December 12, 2024
Reference no.	:	QCD-SAC-50VAHM-O -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 09, 2024.

KVM-50VAH1M-O (5.0hp) *(Versa Match)*
OUTDOOR UNIT

Details checking:

Model	:	KVM-50VAH1M-O
Description	:	5.0hp Versa match Air-con. Outdoor unit
EAN Number	:	4 806508 236349
P/O Number	:	KT-2407GR-18
Lot number	:	157824001
Serial number range	:	15782407-10001 to 10020 (20 units)
Printing Features	:	Good, clear, and correct

Inspected units: **Kolin Serial number** 15782407-10006, 10016, 10008 and 10003
Supplier Serial no. 4U07940000398, 00411, 00404 and 00395

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	1093 x 497 x 885mm 80.0 kg.
Carton Box Dimensions:	W x D x H / Weight: Type / Thickness:	1097 x 500 x 885mm / 3430 grams Double wall, BC flute / 6.0mm
Packaging Support:	Top support: Bottom support: Styrofoam weight: Poly bag weight: Carton base: Wood base	Styrofoam / Thickness: 34mm Styrofoam / Thickness: 35mm 615 grams 075 grams 1078 x 484 x 50mm / 400g. Single wall B flute 3.0mm 1060 x 467 x 5mm
Accessories:	Owner's Manual	

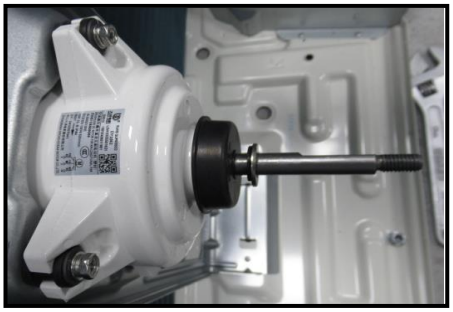
Unit checking for outer part:

Specifications	Phase	Single
	Volts	230 V~
	Frequency	60Hz
	Nominal Capacity	5.0hp
	Cooling Capacity	47,475 kJ/h 13.19 kW
	Power Input	3,300 Watts
	Input Current	15.0 Amperes
	Rated Power	4,600W / 20.41A
	Max Discharge Pressure	4.3 MPa
	Max Suction Pressure	2.5 MPa
	Moisture Protection	IPX4
	Sound Pressure level	60 dB(A) High
	Refrigerant type	R 32
	Refrigerant charge	2.40 kilograms
	Refrigerant Piping	1/4" & 3/8" (5 pairs)
Unit Dimension	W x D x H Net weight	1020 x 427 x 826mm 73.0 kg
Appearance	Dirty white coated casing with plastic grill on propeller fan and metal grill at condenser area.	
Kolin Logo	Color / Dimensions (W x H)	Green and white / 186 x 262mm

Unit checking for inner part:

Compressor Motor:	Brand: Model: Specifications: Manufacturer: Appearance: Oil separator:	GREE QXFS-D280z X070C 260-350V / 900-7200rpm / R32/R410A Zhuhai Landa Compressor Black coated casing 3.0 mPa
Fan Motor:	Type: Model: Part number: Specifications: Manufacturer: Appearance:	Brushless DC motor for Air conditioner ZW511B500066 (B-SW2130E) 15010406011801 DC310V / 130W / 820 r/min Zhongshan Broad-Ocean motor White coated casing
Control Module:	**Main PCB (AP1):**	300027063103 / W8362EM GRJW836-A13 (V1) 2024/07/02/12 T2.0
	PCB (AP2):	300020060099 / LB900E GRJW900-F1 (V1) 2024 / 01 / 23 / 13 T1.6
	Electrolytic capacitor:	1000µf / 450V (3 pcs)
	Heat zinc	Dimensions: 323 x 89 x 73mm
	Control Box:	Black Plastic materials (AP1) GI and Plastic materials (AP2)
Expansion valve	Brand / Model:	DUNAN / DSF-11R410A / SH-W2b
Electronic Expansion valve	Brand / Spec's.:	DUNAN / DC12V (5pcs.)
Pressure Switches	SPH: OFF: ON:	4.6 / 3.8 4.6 MPa 3.8 MPa
Unit Sensors:	Temperature sensor: Tube sensor: Compressor sensor:	GL 15K GL 20K GL 50K
Condenser:	Aluminum fins: Copper tubing: Dimensions:	720pcs. Blue Aluminum fins (L curve design) 2 rows of 72 lines with Ø8.0mm each (L x H x W) 980 x 792 x 38mm
Copper tube:	High side / Low side	Ø1/4" and Ø3/8" with flare nut (5 pairs)
Propeller fan ：	Appearance: Dimension:	Black color, plastic materials Ø566mm x 204mm

Unit inner part / spec's

	COMPRESSOR MOTOR GREE QXFS-D280zX070C 260-350V / 900-7200rpm / R32/R410A
	**FAN MOTOR** ZW511B500066 (B-SW2130E) 15010406011801 DC310V / 130W / 820 r/min
	MAIN PCB (AP1) 300027063103 / W8362EM
	PCB (AP2) 300020060099 / LB900E
	ELECTRONIC EXPASION VALVE DUNAN / DC12V (5pcs.)

	CONDENSER Blue Aluminum fins (L curve design) 2 rows of 72 lines with Ø8.0mm each (L x H x W) 980 x 792 x 38mm
	COPPER TUBING Ø1/4” and Ø3/8” (5 pairs)
	PROPELLER FAN Black color, plastic materials Ø566mm x 204mm

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