



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-30VAHM-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 10, 2024.

KVM-30VAH1M-O (3.0hp) (Versa Match)
OUTDOOR UNIT

Details checking:

Model : KVM-30VAH1M-O
Description : 3.0hp Versa match Air-con. Outdoor unit
EAN Number : 4 806508 236325
P/O Number : KT-2407GR-18
Lot number : 157624001
Serial number range : 15762407-10001 to 10030 (30 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 15762407-10001, 10004, 10005 and 10017
Supplier Serial no. 4V07640000393, 00396, 00397 and 00430



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	1032 x 456 x 737mm 52.0 kg.
Carton Box Dimensions:	W x D x H / Weight: Type / Thickness:	1025 x 460 x 727mm / 2740 grams Double wall, BC flute / 6.0mm
Packaging Support:	Top support: Bottom support: Styrofoam weight: Poly bag weight: Carton base:	Styrofoam / Thickness: 63mm Styrofoam / Thickness: 45mm 610 grams 085 grams 1012 x 440 x 55mm Single wall B flute 3.0mm
Accessories:	Owner's Manual, Sticker serial number, Drain plug (4pcs.), Drain joint, Flare nut extension 3/8 (2pcs) flare nut 1/2 (2pcs.)	

Unit checking for outer part:

Specifications	Phase	Single
	Volts	230 V~
	Frequency	60Hz
	Nominal Capacity	3.0hp
	Cooling Capacity	28,485 kJ/h 7.91 kW
	Power Input	2,200 Watts
	Input Current	10.0 Amperes
	Rated Power	3,400W / 16.0A
	Max Discharge Pressure	4.3 MPa
	Max Suction Pressure	2.5 MPa
	Moisture Protection	IPX4
	Sound Pressure level	58 dB(A) High
	Refrigerant type	R 32
	Refrigerant charge	1.70 kilograms
Refrigerant Piping	1/4" & 3/8" (3 pairs)	
Unit Dimension	W x D x H Net weight	964 x 402 x 660mm 47.5 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 / 160 x 225mm

Unit checking for inner part:

Compressor Motor:	Brand: Model: Specifications: Manufacturer: Appearance:	GREE QXFS-M180z X170 260-350V / 900-7200rpm / R32/R410A Zhuhai Landa Compressor Black coated casing
Fan Motor:	Type: Model: Part number: Specifications: Manufacturer: Appearance:	Brushless DC motor for Air conditioner ZW511C500007 (B-LW60R-ZL) 150104060103 DC310V / 60W / 900 r/min / IP44 Zhongshan Broad-Ocean motor White coated casing
Control Module:	Main Board:	300027063086 / W8882AY GRJW888-A2 (V1) 2024/05/28/15 T2.0
	Electrolytic capacitor:	1000µf / 450V / 105°C (2 pcs)
	Heat zinc	Dimensions: 190 x 60 x 70mm
	Control Box:	Black Plastic materials GI and Plastic materials
4 Way valve	Brand / Model:	SHF-7H-340-PG AC: 220-240V / 50-60Hz / 4.5/3.5W
Electronic Expansion valve	Brand / Spec's.:	PQM10523 / DC12V 24051617 (FA) PQM101414 / DC12V 24051617 (FB) PQM101413 / DC12V 24051617 (FC)
Unit Sensors:	Temperature sensor: Tube sensor: Compressor sensor:	GL 15K GL 20K GL 50K
Condenser:	Aluminum fins: Copper tubing: Dimensions:	650pcs. Blue Aluminum fins (L curve design) 2 rows of 56 lines with Ø7.0mm each (L x H x W) 860 x 616 x 38mm
Copper tube:	High side / Low side	Ø1/4" and Ø3/8" with flare nut (3 pairs)
Propeller fan :	Appearance: Dimension:	Yellowish color, plastic materials Ø535mm x 150mm

Unit inner part / spec's



COMPRESSOR MOTOR

GREE
QXFS-M180z X170
260-350V / 900-7200rpm / R32/R410A



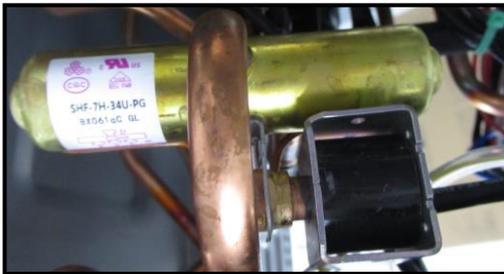
FAN MOTOR

ZW511C500007 (B-LW60R-ZL)
150104060103
DC310V / 60W / 900 r/min / IP44



MAIN BOARD

300027063086 / W8882AY



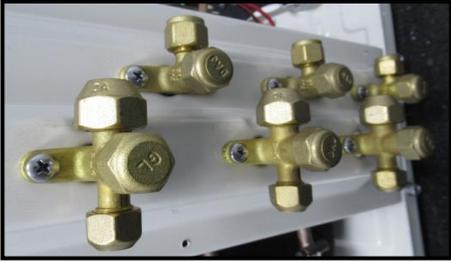
4 WAY VALVE

SHF-7H-340-PG
AC: 220-240V / 50-60Hz / 4.5/3.5W



ELECTRONIC EXPASION VALVE

PQM10523 / DC12V 24051617 (FA)
PQM101414 / DC12V 24051617 (FB)
PQM101413 / DC12V 24051617 (FC)

	<p style="text-align: center;">CONDENSER</p> <p>Blue Aluminum fins (L curve design) 2 rows of 56 lines with Ø7.0mm each (L x H x W) 860 x 616 x 38mm</p>
	<p style="text-align: center;">COPPER TUBING</p> <p>Ø1/4" and Ø3/8" (3 pairs)</p>
	<p style="text-align: center;">PROPELLER FAN</p> <p>Yellowish color, plastic materials Ø535mm x 150mm</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