



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-20VAHM-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-20VAH1M-O (2.0hp) (Versa Match)

OUTDOOR UNIT

Details checking:

Model : KVM-20VAH1M-O
Description : 2.0hp Versa match Air-con. Outdoor unit
EAN Number : 4 806508 236318
P/O Number : KT-2407GR-18
Lot number : 157524001
Serial number range : 15752407-10001 to 10020 (20 units)
Printing Features : Good, clear, and correct

Inspected units: **Kolin Serial number** 15752407-10028, 10040, 10004 and 10023
Supplier Serial no. 4V07840000553, 00565, 00529 and 00547



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	872 x 348 x 620mm 33.5 kg.
Carton Box Dimensions:	W x D x H / Weight: Type / Thickness:	868 x 402 x 603mm / 1950 grams Double wall, BC flute / 6.0mm
Packaging Support:	Top support: Bottom support: Styrofoam weight: Poly bag weight: Carton base:	Styrofoam / Thickness: 54mm Styrofoam / Thickness: 54mm 400 grams 0.010 grams 852 x 383 x 55mm / 400g. Single wall B flute 3.0mm
Accessories:	Owner's Manual, Drain, and Sticker serial number	

Unit checking for outer part:

Specifications	Phase	Single
	Volts	230 V~
	Frequency	60Hz
	Nominal Capacity	2.0hp
	Cooling Capacity	18,990 kJ/h 5.27 kW
	Power Input	1600 Watts
	Input Current	8.0 Amperes
	Rated Power	2200W / 10.0A
	Max Discharge Pressure	4.3 MPa
	Max Suction Pressure	2.5 MPa
	Moisture Protection	IPX4
	Sound Pressure level	55 dB(A) High
	Refrigerant type	R 32
	Refrigerant charge	0.75 kilograms
Refrigerant Piping	1/4" & 3/8" (2 pairs)	
Unit Dimension	W x D x H Net weight	822 x 352 x 550mm 31.0 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 / 136 x 190mm

Unit checking for inner part:

Compressor Motor:	Brand: Model: Specifications: Manufacturer: Appearance:	GREE QXF-A120z H170A 260-350V / 900-7200rpm / R32/R410A Zhuhai Landa Compressor Black coated casing
Fan Motor:	Type: Model: Part number: Specifications: Manufacturer: Appearance:	Chinese model T10WZ30-A02 / FW30R-ZL (10P) 150104060095 DC310V / 30W / 0.134A / 900 r/min Chinese Brand White coated casing
Control Module:	Main Board:	300027063098 / W8882BA GRJW888-A (V1) 2024/04/01/16 T2.0
	Electrolytic capacitor:	680µf / 450V / 105°C (2 pcs)
	Heat zinc	Dimensions: 145 x 70 x 69mm
	Control Box:	GI and Black Plastic materials
Expansion valve	Brand / Model:	DUNAN / 4 way reversing valve DSF-4-1230M AC: 220-240V / 50-60Hz Power: 7 / 5W / 241103J3 SH-W2b / 400123/17795DA
Electronic Expansion valve	Brand / Spec's.:	DUNAN / DC12V (2pcs.) DPFX07-383 B1.3C-065 DPFX07-321 B1.3C-065
Unit Sensors:	Temperature sensor: Tube sensor: Compressor sensor:	GL 15K GL 20K GL 50K
Condenser:	Aluminum fins: Copper tubing: Dimensions:	708pcs. Blue Aluminum fins (Bend design) 1 row of 24 lines with Ø8.0mm each (L x H x W) 815 x 528 x 19mm
Copper tube:	High side / Low side	Ø1/4" and Ø3/8" with flare nut (2 pairs)
Propeller fan :	Appearance: Dimension:	Yellowish color, plastic materials Ø415mm x 130mm

Unit inner part / spec's



COMPRESSOR MOTOR

GREE
QXF-A120z H170A
260-350V / 900-7200rpm / R32/R410A



FAN MOTOR

T10WZ30-A02 / FW30R-ZL (10P)
150104060095
DC310V / 30W / 0.134A / 900 r/min



MAIN PCB

300027063098 / W8882BA
GRJW888-A (V1) 2024/04/01/16 T2.0



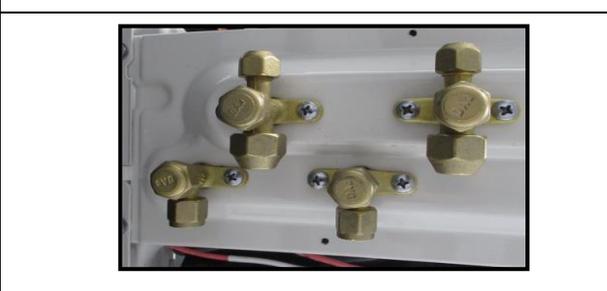
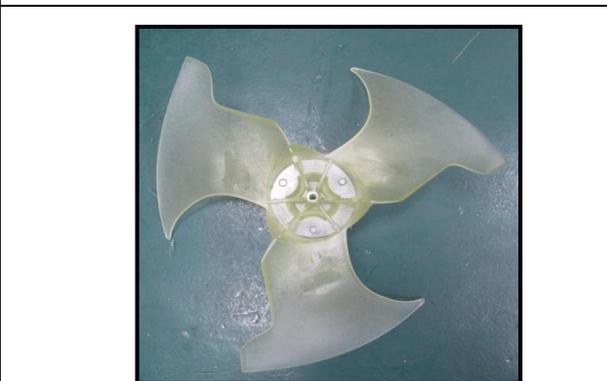
EXPASION VALVE

DUNAN / 4 way reversing valve
DSF-4-1230M
AC: 220-240V / 50-60Hz
Power: 7 / 5W / 241103J3
SH-W2b / 400123/17795DA



ELECTRONIC EXPASION VALVE

DUNAN / DC12V (2pcs.)
DPFX07-383 B1.3C-065
DPFX07-321 B1.3C-065

	<p style="text-align: center;">CONDENSER</p> <p style="text-align: center;">Blue Aluminum fins (Bend design) 1 row of 24 lines with Ø8.0mm each (L x H x W) 815 x 528 x 19mm</p>
	<p style="text-align: center;">COPPER TUBING</p> <p style="text-align: center;">Ø1/4" and Ø3/8" (2 pairs)</p>
	<p style="text-align: center;">PROPELLER FAN</p> <p style="text-align: center;">Yellowish color, plastic materials Ø415mm x 130mm</p>

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