# kolin

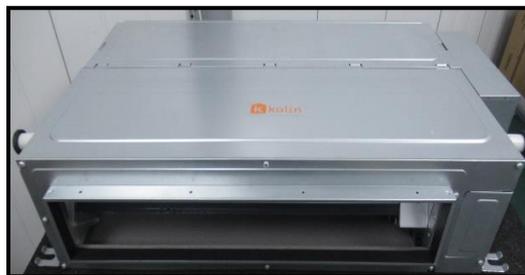| To | : | Mr. Oliver M. Filoteo |
| | | Chief Executive Officer |
| From | : | Quality Control Department |
| Re | : | Split type air-conditioner |
| Date | : | December 12, 2024 |
| Reference no. | : | QCD-SAC-10IDAH-I -24-12-001 |
| Cc. | : | FDF. / A De Rivera /Dept. concern |

Listed below are the specifications and parts for the new model of Versa match Multi Split type air conditioner, received and inspected this December 09, 2024.

## KVM-10IDAH-I (1.0hp) *(Versa Match)*
## INDOOR UNIT

### Details checking:

| Model | : | KVM-10IDAH-I |
| Description | : | 1.0hp Ceiling Concealed Inverter Versa match Air-con. |
| EAN Number | : | 4 806508 236288 |
| P/O Number | : | KT-2407GR-18 |
| Lot number | : | 157224001 |
| Serial number range | : | 15722407-10001 to 10005    (5 units) |
| Printing Features | : | Good, clear, and correct |

**Inspected units:**   **Kolin Serial number**   15722407-10005, 10003, 10004 and 10001
**Supplier Serial no.**   9CM7140000006, 00004, 00005 and 00002



### 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<br>Gross weight | 1008 x 568 x 275mm<br>22.5 kg. |
| --- | --- | --- |
| Carton Box Dimensions: | W x D x H / Weight:<br>Type / Thickness: | 1000 x 570 x 269mm / 1745 grams<br>Double wall, BC flute / 6.0mm |
| Packaging Support: | Right side support:<br>Left side support:<br>Top support:<br>Bottom support:<br>Carton base: | Carton / Thickness: 25mm / 0.495g.<br>Carton / Thickness: 25mm / 0.305g.<br>Carton / Thickness: 25mm / 0.165g.<br>Carton / Thickness: 30mm / 0.425g.<br>Double wall, BC flute / 6.0mm<br>988 x 522 x 100mm / 0.800g. |
| Accessories: | Owner's Manual, Wired control manual, Warranty card<br>Display wired controller, Controller cable (8000mm length)<br>Controller holder, Screw (2pcs)<br>Insulation foam (2pcs.)<br>Pipe insulation sheath (2pcs. / 158mm length)<br>Clip on ring Ø9mm and Ø6mm<br>Installation nut (4 pcs.), Cable ties (8pcs)<br>Lock washers (4pcs.) Nut with washers<br>Flare nut, nut Ø1/4 and Ø3/8 | |

## Unit checking for outer part:

| Specifications | Phase | Single |
| --- | --- | --- |
| | Volts | 230 V~ |
| | Frequency | 60Hz |
| | Nominal Capacity | 1.0hp |
| | Cooling Capacity | 9,495 kJ/h<br>2.64kW |
| | Max Discharge Pressure | 4.3 MPa |
| | Max Suction Pressure | 2.5 MPa |
| | Fan Motor Power Input | 50 Watts / 1.0 Amperes |
| | Moisture Protection | IPX0 |
| | Sound Pressure level | 28 dB(A) High |
| | Refrigerant type | R 32 |
| | Refrigerant Piping | 1/4" & 3/8" |
| Unit Dimension | W x D x H<br>Net weight | 710 x 450 x 200mm<br>18.5 kg |
| Appearance | Galvanized coated casing with orange sticker KOLIN logo.<br>Transferable air intake panel back and bottom. | |
| Kolin Logo | Color / Dimensions (W x H) | Orange / 81 x 28mm |
| Air Filter | Color / Dimensions | Green and Black / 345 x 189mm |

## Unit checking for inner part:

| | | |
|---|---|---|
| **Blower Fan Motor:** | Type:<br>Model:<br>Part number:<br>Specifications:<br><br>Manufacturer:<br>Appearance: | Fan A synchronism motor for Air conditioner<br>YSK20-4U (FG20H)<br>1570520106<br>220-240V~ 50Hz / 208-230V~ 60Hz / 20W<br>0.35A / 1000 r/min / 4P/ IP20<br>Zhuhai Kaibang Motors<br>Galvanize coated casing |
| **Control Module:** | **FM Capacitor:** | 2μf ±5% 450VAC / 50-60Hz CBB61 |
| | **Main PCB:** | 300002061990 / Z4L1512CJ<br>GRZ4M-A4 (V1) 2022/07/24/12 TI.6 |
| | **Wired Remote Control:** | 300001060893 / K79941 / Z4M3511AJ<br>GRZ4M-B (V1) 2023 / 09 / 09 / 11 T1.6 |
| | **Drain Pump** | DP-12230 / 812007060016<br>208-230V / 50-60Hz / 9.4W / 8W<br>Zhejiang Fuji Seiko Technology |
| | **Control Box:** | GI and Plastic materials |
| **Unit Sensor:** | Temperature / Tubing | GL/GW 15K / GL/GW 20K |
| **Evaporator:** | Aluminum fins:<br>Copper tubing:<br>Dimensions: | 408pcs. Blue Aluminum fins<br>2 rows of 24 lines with Ø5.0mm each<br>(L x H x W) 547 x 228 x 23mm |
| **Copper tube:** | High side / Low side | Ø1/4" and Ø3/8" with flare cover (plastic) |
| **Wheel blower:** | Appearance:<br>Dimension: | Yellowish color / ABS Plastic materials<br>Ø144mm x 143mm (2pcs.) |
| **Blower housing:** | Appearance:<br>Dimension: | Yellowish color, plastic materials (2pcs.)<br>229 x 207 x 203mm |
| **Drain pan:** | Appearance:<br>Dimension: | Styrofoam and, plastic materials<br>696 x 268 x 57mm |

## Unit inner part / spec's

| | |
|---|---|
|  | **FAN MOTOR**<br><br>YSK20-4U (FG20H)<br>1570520106<br>220-240V~ 50Hz / 208-230V~ 60Hz / 20W |

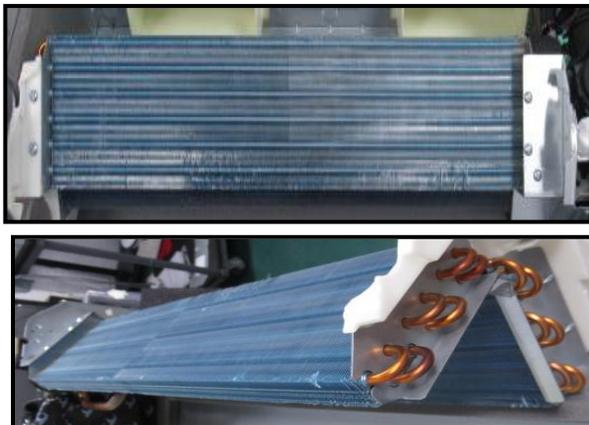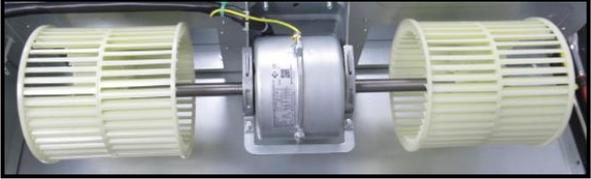| | |
|---|---|
|  | **FM CAPACITOR**<br><br>2µf ±5% 450VAC / 50-60Hz CBB61 |
|  | **MAIN PCB**<br><br>300002061990 / Z4L1512CJ<br>GRZ4M-A4 (V1) 2022/07/24/12 TI.6 |
|  | **DRAIN PUMP**<br><br>DP-12230 / 812007060016<br>208-230V / 50-60Hz / 9.4W / 8W |
|  | **WIRE REMOTE CONTROL**<br><br>300001060893 / K79941<br>Z4M3511AJ |
|  | **EVAPORATOR**<br><br>Blue Aluminum fins<br>2 rows of 24 lines with Ø5.0mm each<br>(L x H x W) 547 x 228 x 23mm |

| | |
|---|---|
|  | **COPPER TUBING**<br><br>Ø1/4" and Ø3/8" with flare cover |
|  | **BLOWER WHEEL**<br><br>Yellowish color, plastic materials (2pcs.)<br>Ø144mm x 143mm |
|  | **ACCESSORIES**<br><br>Owner's Manual, Wired control manual, Warranty card<br>Display wired controller, Controller cable (8000mm length)<br>Controller holder, Screw (2pcs)<br>Insulation foam (2pcs.)<br>Pipe insulation sheath (2pcs. / 158mm length)<br>Clip on ring Ø9mm and Ø6mm<br>Installation nut (4 pcs.), Cable ties (8pcs)<br>Lock washers (4pcs.) Nut with washers<br>Flare nut, nut Ø1/4 and Ø3/8 |

For your reference,


Prepared by   :         <u>      Jayson L. Pagacita      </u>
                                   Quality Control Staff


Noted by      :         <u>      Alberto I. Francisco      </u>
                                   QC, Asst. Supervisor


Approved by  :        <u>     Mr. Fernando D. Feliciano     </u>
                                   Plant Operations Manager