

STANDARD INVERTER (R32)

High Performance with Auto ESP Control

- Auto External Static pressure (ESP) control allows the duct type indoor unit to automatically set the fan RPM for each airflow rate according to the external static pressure.
- Operation for Multiple Rooms, Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously (Zone control is available with zone controller accessory. (ABZCA)
- Optional UVnano Filter Box can effectively create a safe indoor environment by trapping and removing various harmful substances such as fine dust, bacteria and viruses in the form of droplets.
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- Flexible Installation (Low Static Pressure Model), Inverter low static duct allows the air intake at the rear or bottom under installation condition.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- No need to disassemble the whole panel for maintenance, since panel is divided into 2 components; one for heat exchanger and the other for fan / motor. The user can easily detach and re-attach the filter in the available limited space.
- Standard built-in drain pump with 700mm lift increases flexibility and the perfect solution for draining of water
- **Operation range (heating) is -25°C - 18°C (Min/Max)**

MID STATIC PRESSURE UM 36F / UM42F / UM48F / UM60F



UUD3.U30



LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com

| COMBINATION | | | | 36 | 42 | 48 | 60 |
|-------------------------------------|--|---------------------|--------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Capacity | Cooling | Min. / Rated / Max. | kW | 3,8 / 9,5 / 12,5 | 4,8 / 12,0 / 14,0 | 5,4 / 13,4 / 15,7 | 5,8 / 14,6 / 15,8 |
| | Heating | Min. / Rated / Max. | kW | 4,3 / 10,8 / 13,4 | 5,4 / 13,5 / 15,8 | 6,2 / 15,5 / 17,5 | 6,7 / 16,8 / 18,1 |
| Power Input (Set) | Cooling | Min. / Rated / Max. | kW | 0,50 / 2,50 / 3,80 | 0,70 / 3,48 / 4,52 | 0,90 / 4,32 / 5,62 | 1,00 / 4,95 / 5,54 |
| | Heating | Min. / Rated / Max. | kW | 0,60 / 2,77 / 3,77 | 0,80 / 3,74 / 4,86 | 0,90 / 4,31 / 5,26 | 0,90 / 4,60 / 5,29 |
| Running Current | Cooling / Heating | Rated | A | 4,0 / 4,5 | 5,5 / 5,9 | 6,8 / 6,5 | 7,7 / 7,2 |
| SEER / COP | | | kWh / kWh | 3,80 / 3,90 | 3,45 / 3,61 | 3,10 / 3,60 | 2,95 / 3,65 |
| EER / SCOP | | | kWh / kWh | 5,8 / 3,9 | 5,6 / 3,9 | 5,8 / 4,0 | 5,6 / 4,0 |
| Pdesign | Cooling @ 35°C | | kW | 9,5 | 12 | 13,4 | 14,6 |
| | Heating @ -10°C | | kW | 9,5 | 9,5 | 9,5 | 9,5 |
| Seasonal Energy Label | Cooling / Heating | | - | A+ / A | A+ / A | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | | kWh | 573 / 3,410 | 750 / 3,410 | 1,386 / 3,325 | 1,564 / 3,325 |
| Dehumidification Rate | | | l/h | 2,9 | 4,4 | 4,8 | 4,7 |
| ODU Sound Pressure Level* | Cooling / Heating | Rated | dB(A) | 50 / 50 | 51 / 52 | 52 / 53 | 54 / 54 |
| ODU Sound Power Level | Cooling | Rated | dB(A) | 66 | 69 | 69 | 71 |
| Piping Connections | Liquid / Gas | | mm (inch) | Ø9.52 (3/8) / Ø15.88 (5/8) |
| | Connections Method | | - | Flared | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min. / Max. | °C | -20 / 52 | -20 / 52 | -20 / 52 | -20 / 52 |
| | Heating | Min. / Max. | °C | -25 / 18 | -25 / 18 | -25 / 18 | -25 / 18 |
| INDOOR | | | | UM36F,N20 | UM42F,N20 | UM48F,N30 | UM60F,N30 |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Input (IDU) | | H / M / L | W | 183 / 134 / 101 | 266 / 200 / 145 | 242 / 159 / 124 | 342 / 287 / 242 |
| Air Flow Rate | | H / M / L | m³/min | 32 / 28 / 24 | 38 / 33 / 28 | 40 / 34 / 28 | 50 / 45 / 40 |
| Dimensions | Body | W x H x D | mm | 1,250 x 270 x 700 | 1,250 x 270 x 700 | 1,250 x 360 x 700 | 1,250 x 360 x 700 |
| | Body | | kg | 38,5 | 38,5 | 43,5 | 43,5 |
| Sound Pressure Level* | Cooling | H / M / L | dB(A) | 36 / 34 / 33 | 38 / 36 / 34 | 39 / 38 / 36 | 42 / 40 / 39 |
| Sound Power Level | Cooling | Max. | dB(A) | 60 | 62 | 65 | 66 |
| Piping Connections | Drain | O.D. / I.D. | mm | Ø32,0 / 26,0 | Ø32,0 / 26,0 | Ø32,0 / 26,0 | Ø32,0 / 26,0 |
| OUTDOOR | | | | UUD3.U30 | | | |
| Power Supply | | | Ø / V / Hz | 3 / 380-415 / 50 | | | |
| Circuit Breaker | | Min. | A | 20 | | | |
| Power Supply Cable (Included Earth) | | | No x mm² | 5C x 2,5 | | | |
| Dimensions | Net | W x H x D | mm | 950 x 1,380 x 330 | | | |
| Weight | Net | | kg | 85 | | | |
| Compressor | Type | | - | Inverter Scroll | | | |
| | Type / GWP (Global Warming Potential) | | - | R32 / 675 | | | |
| Refrigerant | Precharged Amount / t-CO ₂ eq | | kg | 3,0 / 2,025 | | | |
| | Chargeless | | m | 20 | | | |
| | Additional Charging Volume | | g/m | 40 | | | |
| Fan | Air Flow Rate | Rated | m³/min x No. | 55 x 2 | | | |
| Total Piping Length | | Min. / Max. | m | 5 / 85 | | | |
| Piping Elevation | IDU - ODU | Max. | m | 30 | | | |

* : Sound Pressure is not a value declared on Eurovent Program.

Note :

1. Due to our policy of innovation some specifications may be changed without notification.

2. Performances are based on the following conditions (It is accordance with EN14511)

- Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB

- Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB

- Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.

4. This product contains fluorinated greenhouse gases. (R32)

5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.