LG
Life's Good

# AR CONDICIONADO LG

# CEILING MOUNTED CASSETTE

# 4 Way air flow with new dual vane design

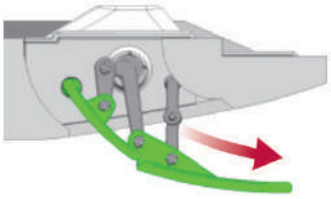
Innovative dual vane designs each of the best airflow over various spaces.

# New types of wind solutions

## Indirect Wind

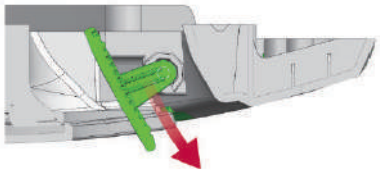
**Normal**

**Dual Vane**

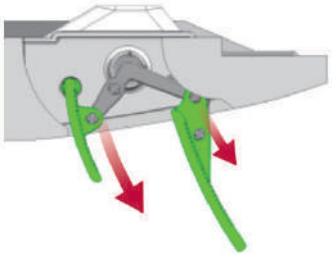


## Direct Wind

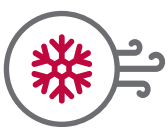
**Normal**



**Dual Vane**



# 6 Air flow modes



**Power Mode**
Fast and Quick

**Up / Down Swing**
Fresh and Natural

**Smart Mode**
Auto Vane Control

**Indirect Wind**
Indirect
cooling & Heating

**Direct Wind**
Suitable
for High Ceiling

**Refresh Mode**
Provide high
concentration

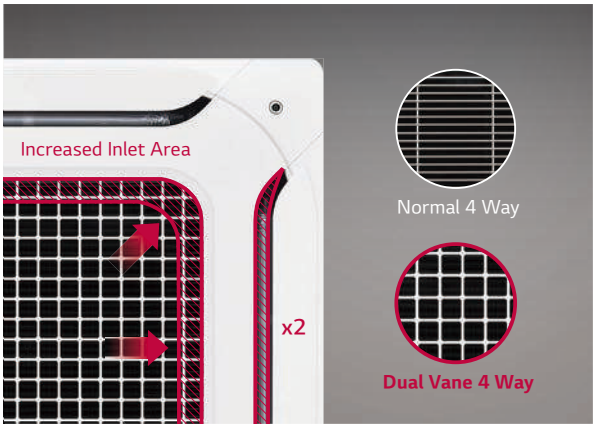
NEW DESIGN

# Brighter Color

Color enhancement allows cassette to blend in to most interior ceiling spaces.

# Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.




# Full 3D Turbo Fan

Full 3D Turbo fan decreases air resistance, so it creates high efficiency and reduces noise level.

**Turbo fan**

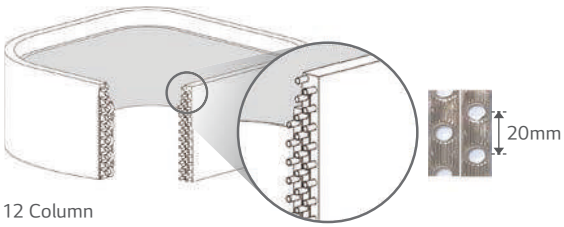
**Full 3D Turbo fan**

Power consumption 13W ↓, Noise 3dB(A) ↓

# High Efficiency Heat Exchanger (HEX)

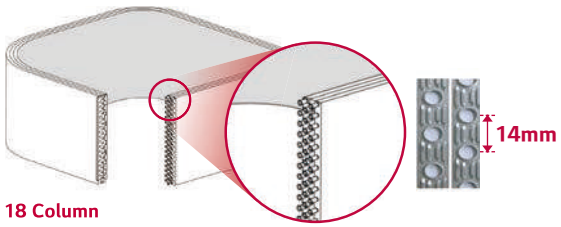
Highly integrated heat exchanger is applied to increase cooling and heating efficiency.

**Normal HEX**




| Tube Column | 12 Column |
|---|---|
| Fin per Inch | 21 |

**High Efficient Ø5 HEX**

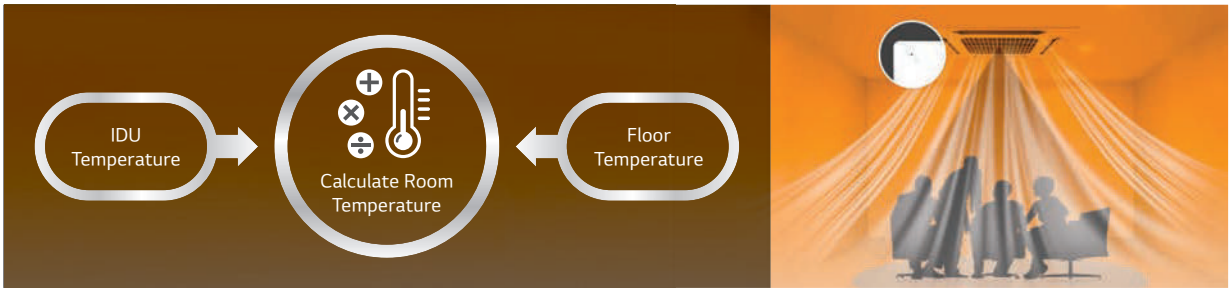



| Tube Column | 18 Column |
|---|---|
| Fin per Inch | 22 |

※ This specification can be different as per each model.

# Sensor reads temperature from ceiling to floor for heating

IDU provides the human oriented room temperature with sensing floor And calculating by floor and ceiling temperature by thermopile sensor.




※ Available only for products with floor temperature sensor.

# Human detecting Direct / Indirect airflow

Human sensing function finds users to provide their favorite airflow.

## Comfort Indirect

Prevent airflow to heading to user by sensing.

## Follow user Direct

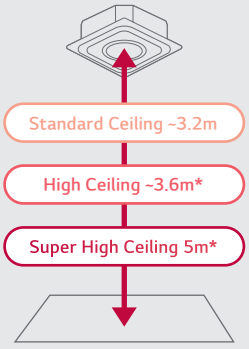
Prefer air flow to heading to user by sensing.

# Direct Wind

Warm wind can reach up to 5m with plenty air volume. (@ 0.5ms)

Dual Vane 4Way Cassette must set a Super High Ceiling Mode.

Recommended direct wind reach

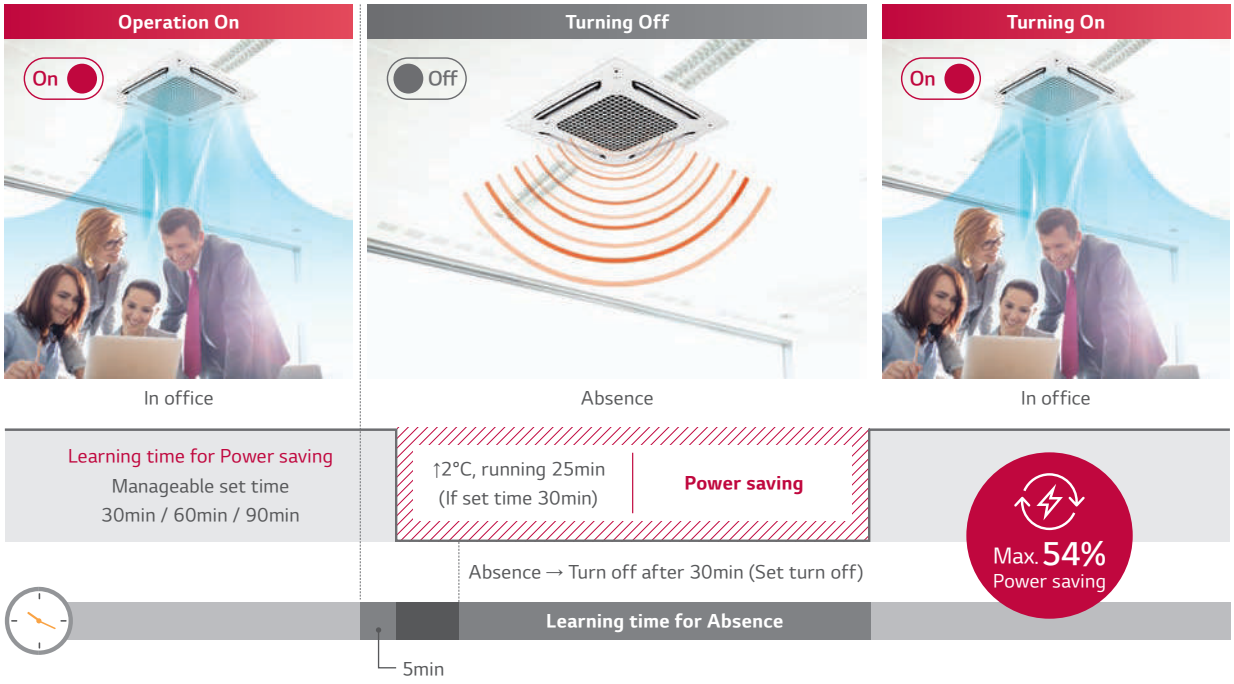



* Settings are required in installer mode.

SMART

# Human detecting On / Off Learning operation system

IDU senses people to switch On / Off for Max. 54% power saving.



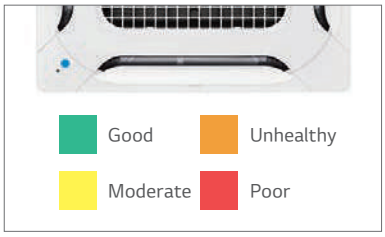

※ Smart Dual Vane Indoor Unit '19 Line up.
※ Data Based on actual test of LG, single product 2 hours measurement result. (Cooling 26 °C, strong wind)

# Various Display of Air Purification

Installed Wi-Fi leads unlimited boundary to control IDU and display Air Purification status.

### Smart indicator

Shows quality of Indoor air in real time




### Remote controller

Display Air status and
Fine Dust Concentration

### Mobile

Whenever & Wherever
Check and Control Air status

# Pairing LG ThinQ

Anywhere! Anytime! Can connect to IDU with LG ThinQ

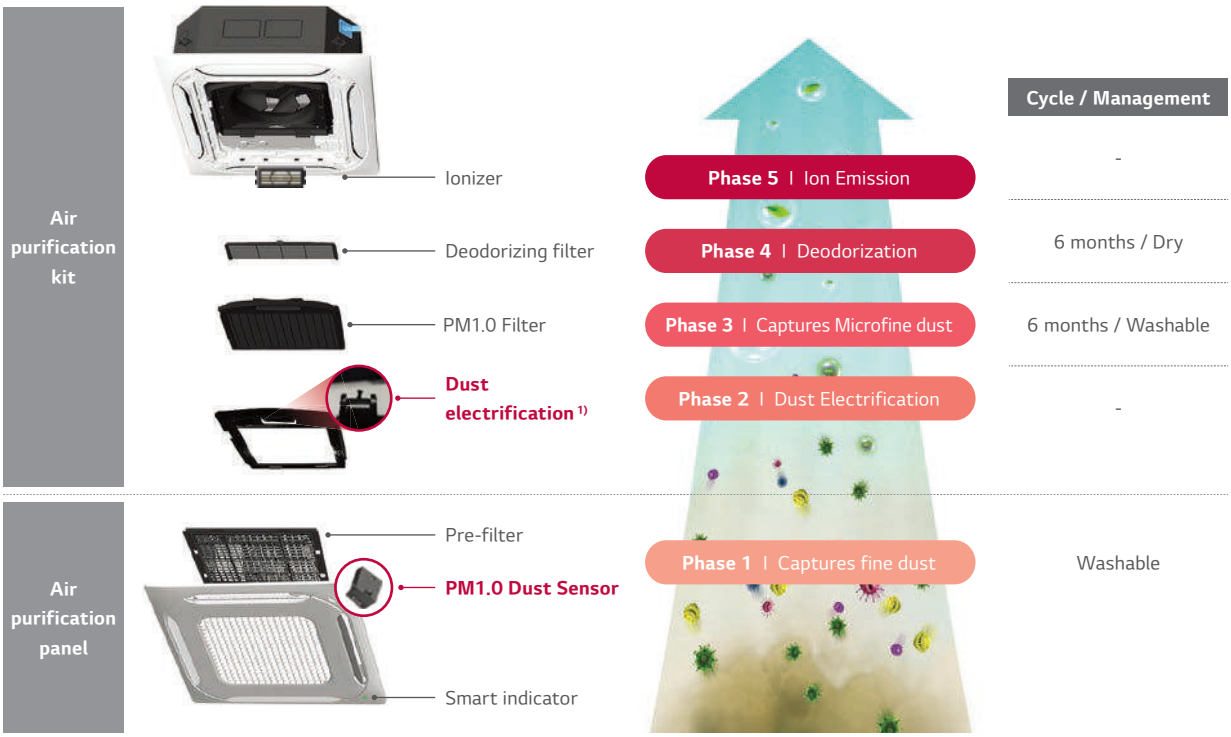
① Monitoring Air status : Easy to check indoor air status
- Microfine dust / Ultra fine dust / Fine dust
- Day / Week / Month / Yearly

② Mobile Remote Control : Remote control by using mobile phone
- Control Mode / Temperature / Air flow etc.

③ Display Power Consumption : Check power consumption of A/C
- Check energy display
- Set target energy consumption level

# Convenient and Powerful Air purification

Easy to manage air purifying system with one-touch air cleaning filter.




1) Electrical diffusion makes dust electrification.

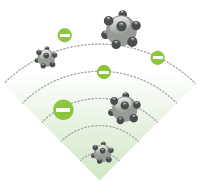
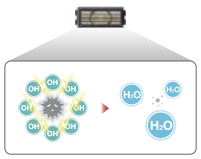
## CAC certification?

The Korea Air Cleaning Association strictly tests the air cleaning function of air conditioner products and provide certification to the product that give credibility to consumers.

The Korea Air Cleaning Association

# Air Purification Technology

5-Steps air cleaning process removes invisible, ultra fine dust, odor and germs to ensure a clean and healthy living environment

| 1st Step | 2nd Step | 3rd Step | 4th Step | 5th Step |
|---|---|---|---|---|
| **Pre filter** | **Anion Emission** | **PM1.0 Filter** | **Deodorization Filter** | **Ionizer** |
| |  | | |  |
| Multi layer structure removes particle 2.5 times higher efficiency than general pre-filters and particle is reduced by 40% ↑ | Anion increases the electrostatic force of particle & this Improves filter's collecting efficiency | Removes up to 99% of Fine particle to ultrafine particle (Able to remove PM 1.0) | High efficiency gas adsorption technology removes life odor & harmful gases | Deactivate bacteria and virus that cause food poisoning and pneumonia |

# CEILING MOUNTED CASSETTE

## H-INVERTER (R32)

### UT09FH / UT12FH / UT18FH

### UUA1 UL0 UUB1 U20

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

| COMBINATION | | | | 9 | 12 | 18 |
|---|---|---|---|---|---|---|
| Capacity | Cooling | Min. / Rated / Max. | kW | 1.6 / 2.5 / 4.0 | 1.6 / 3.4 / 4.8 | 2.0 / 5.0 / 6.0 |
| | Heating | Min. / Rated / Max. | kW | 1.7 / 3.2 / 4.5 | 1.7 / 4.1 / 5.8 | 2.3 / 5.8 / 7.0 |
| Power Input (Set) | Cooling | Min. / Rated / Max. | kW | 0.32 / 0.61 / 0.98 | 0.32 / 0.97 / 1.78 | 0.30 / 1.25 / 1.69 |
| | Heating | Min. / Rated / Max. | kW | 0.32 / 0.75 / 1.06 | 0.32 / 1.03 / 1.87 | 0.30 / 1.47 / 1.98 |
| Running Current | Cooling | Rated | A | 2.7 | 4.3 | 7.2 |
| | Heating | Rated | A | 3.3 | 4.6 | 7.7 |
| EER / COP | | | kWh/kWh | 4.10 / 4.30 | 3.50 / 4.00 | 4.00 / 3.95 |
| SEER / SCOP | | | kWh/kWh | 7.0 / 4.0 | 6.8 / 4.0 | 7.6 / 4.4 |
| Pdesign | Cooling @ 35°C | | kW | 2.5 | 3.4 | 5.0 |
| | Heating @ -10°C | | kW | 2.8 | 2.8 | 4.1 |
| Seasonal Energy Label | Cooling / Heating | | - | A++ / A+ | A++ / A+ | A++ / A+ |
| Annual Energy Consumption | Cooling / Heating | | kWh | 125 / 980 | 175 / 980 | 230 / 1,305 |
| Dehumidification Rate | | | l/h | 0.1 | 0.8 | 1.9 |
| ODU Sound Pressure Level | Cooling / Heating | Rated | dB(A) | 49 / 52 | 49 / 52 | 47 / 52 |
| ODU Sound Power Level | Cooling | Rated | dB(A) | 65 | 65 | 63 |
| Piping Connections | Liquid | | mm (inch) | Ø6.35 (1/4) | Ø6.35 (1/4) | Ø6.35 (1/4) |
| | Gas | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø12.7 (1/2) |
| | Connections Method | | - | Flared | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min. / Max. | °C | -15 / 50 | -15 / 50 | -15 / 50 |
| | Heating | Min. / Max. | °C | -20 / 18 | -20 / 18 | -20 / 18 |
| **INDOOR** | | | | **UT09FH NQ0** | **UT12FH NQ0** | **UT18FH NB0** |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Input (IDU) | | H / M / L | W | 30 / 26 / 22 | 30 / 26 / 22 | 33 / 26 / 22 |
| Air Flow Rate | | H / M / L | m³/min | 11.0 / 10.0 / 9.3 | 11.0 / 10.0 / 9.3 | 17.0 / 15.5 / 14.0 |
| Dimensions | Body | W x H x D | mm | 570 x 256 x 570 | 570 x 256 x 570 | 840 x 204 x 840 |
| Weight | Body | | kg | 13.9 | 13.9 | 21.1 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) | 41 / 39 / 37 | 41 / 39 / 37 | 37 / 36 / 34 |
| Sound Power Level | Cooling | Max. | dB(A) | 54 | 54 | 52 |
| Piping Connections | Drain | O.D. / I.D. | mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| Recommended Decoration Panel* | Model Name | | - | PT-QAGW0 | PT-QAGW0 | PT-AFGW0 |
| | Color | | - | White | White | White |
| | Dimensions | Body | mm | 620 x 34 x 620 | 620 x 34 x 620 | 950 x 35 x 950 |
| | Weight | Body | kg | 3.0 | 3.0 | 7.5 |
| **OUTDOOR** | | | | **UUA1 UL0** | | **UUB1 U20** |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | | 1 / 220-240 / 50 |
| Circuit Breaker | | Min. | A | 15 | | 20 |
| Power Supply Cable (Included Earth) | | | No x mm³ | 3C x 1.5 | | 3C x 2.5 |
| Dimensions | Net | W x H x D | mm | 770 x 545 x 288 | | 870 x 650 x 330 |
| Weight | Net | | kg | 33.3 | | 44.5 |
| Compressor | Type | | - | Twin Rotary | | Twin Rotary |
| Refrigerant | Type | | - | R32 | | R32 |
| | GWP (Global Warming Potential) | | - | 675 | | 675 |
| | Precharged Amount | | kg | 1.0 | | 1.2 |
| | t-$CO_2$eq | | - | 0.675 | | 0.81 |
| | Additional Charge (After 7.5m) | | g/m | 20 | | 20 |
| Fan | Air Flow Rate | Rated | m³/min x No. | 28 x 1 | | 50 x 1 |
| Total Piping Length | | Min. / Max. | m | 5 / 30 | | 5 / 30 |
| Piping Elevation | IDU - ODU | Max | m | 30 | | 30 |

* Decoration panel can be selected as an optional accessory.

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)

# CEILING MOUNTED CASSETTE

## H-INVERTER (R32)

### UT24FH / UT30FH

### UUC1 U40

R32

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

| COMBINATION | | | | 24 | 30 |
|---|---|---|---|---|---|
| Capacity | Cooling | Min. / Rated / Max. | kW | 2.7 / 6.8 / 8.3 | 3.2 / 8.0 / 9.5 |
| | Heating | Min. / Rated / Max. | kW | 3.2 / 7.9 / 9.9 | 3.6 / 9.0 / 10.7 |
| Power Input (Set) | Cooling | Min. / Rated / Max. | kW | 0.30 / 1.66 / 2.31 | 0.40 / 2.12 / 2.82 |
| | Heating | Min. / Rated / Max. | kW | 0.40 / 1.76 / 2.53 | 0.40 / 2.14 / 2.93 |
| Running Current | Cooling | Rated | A | 7.4 | 9.4 |
| | Heating | Rated | A | 7.8 | 9.5 |
| EER / COP | | | kWh/kWh | 4.10 / 4.48 | 3.77 / 4.20 |
| SEER / SCOP | | | kWh/kWh | 8.5 / 4.8 | 7.8 / 4.8 |
| Pdesign | Cooling @ 35°C | | kW | 6.8 | 8 |
| | Heating @ -10°C | | kW | 5.5 | 5.5 |
| Seasonal Energy Label | Cooling / Heating | | - | A+++ / A++ | A++ / A++ |
| Annual Energy Consumption | Cooling / Heating | | kWh | 280 / 1,604 | 359 / 1,604 |
| Dehumidification Rate | | | l/h | 1.7 | 2.7 |
| ODU Sound Pressure Level | Cooling / Heating | Rated | dB(A) | 48 / 52 | 50 / 52 |
| ODU Sound Power Level | Cooling | Rated | dB(A) | 65 | 68 |
| Piping Connections | Liquid | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| | Gas | | mm (inch) | Ø15.88 (5/8) | Ø15.88 (5/8) |
| | Connections Method | | - | Flared | Flared |
| Operation Range (Outdoor) | Cooling | Min. / Max. | °C | -20 / 50 | -20 / 50 |
| | Heating | Min. / Max. | °C | -20 / 18 | -20 / 18 |
| **INDOOR** | | | | **UT24FH NA0** | **UT30FH NA0** |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Power Input (IDU) | | H / M / L | W | 43 / 35 / 28 | 43 / 35 / 28 |
| Air Flow Rate | | H / M / L | m³/min | 23.8 / 21.4 / 19.0 | 23.8 / 21.4 / 19.0 |
| Dimensions | Body | W x H x D | mm | 840 x 288 x 840 | 840 x 288 x 840 |
| Weight | Body | | kg | 25.3 | 25.3 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) | 42 / 41 / 40 | 42 / 41 / 40 |
| Sound Power Level | Cooling | Max. | dB(A) | 56 | 56 |
| Piping Connections | Drain | O.D. / I.D. | mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| Recommended Decoration Panel* | Model Name | | - | PT-AFGW0 | PT-AFGW0 |
| | Color | | - | White | White |
| | Dimensions | Body | mm | 950 x 35 x 950 | 950 x 35 x 950 |
| | Weight | Body | kg | 7.5 | 7.5 |
| **OUTDOOR** | | | | **UUC1 U40** | |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | |
| Circuit Breaker | | Min. | A | 25 | |
| Power Supply Cable (Included Earth) | | | No x mm² | 3C x 2.5 | |
| Dimensions | Net | W x H x D | mm | 950 x 834 x 330 | |
| Weight | Net | | kg | 57.7 | |
| Compressor | Type | | - | Twin Rotary | |
| Refrigerant | Type | | - | R32 | |
| | GWP (Global Warming Potential) | | - | 675 | |
| | Precharged Amount | | kg | 1.9 | |
| | t-$CO_2$eq | | - | 1.283 | |
| | Additional Charge (After 7.5m) | | g/m | 40 | |
| Fan | Air Flow Rate | Rated | m³/min x No. | 58 x 1 | |
| Total Piping Length | | Min. / Max. | m | 5 / 50 | |
| Piping Elevation | IDU - ODU | Max. | m | 30 | |

* Decoration panel can be selected as an optional accessory.

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)

# CEILING MOUNTED CASSETTE

## H-INVERTER (R32)

### UT36FH / UT42FH / UT48FH / UT60FH

### UUD1 U30

R32

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 / 12.8 | 4.8 / 12.1 / 14.5 | 5.4 / 13.4 / 16.1 | 6.0 / 15.0 / 16.2 |
| | Heating | Min. / Rated / Max. | kW | 4.3 / 10.8 / 13.7 | 5.4 / 13.5 / 16.2 | 6.2 / 15.5 / 17.8 | 7.0 / 17.5 / 19.3 |
| Power Input (Set) | Cooling | Min. / Rated / Max. | kW | 0.40 / 2.15 / 3.23 | 0.60 / 3.14 / 4.24 | 0.80 / 3.83 / 5.17 | 0.90 / 4.69 / 5.25 |
| | Heating | Min. / Rated / Max. | kW | 0.50 / 2.40 / 3.36 | 0.70 / 3.29 / 4.28 | 0.80 / 4.18 / 5.24 | 1.10 / 5.38 / 6.19 |
| Running Current | Cooling | Rated | A | 9.6 | 13.8 | 16.9 | 20.5 |
| | Heating | Rated | A | 10.4 | 14.4 | 18.3 | 23.6 |
| EER / COP | | | kWh/kWh | 4.42 / 4.50 | 3.85 / 4.10 | 3.50 / 3.71 | 3.20 / 3.25 |
| SEER / SCOP | | | kWh/kWh | 7.6 / 4.5 | 7.4 / 4.5 | 6.8 / 4.5 | 6.6 / 4.5 |
| Pdesign | Cooling @ 35°C | | kW | 9.5 | 12.1 | 13.4 | 15 |
| | Heating @ -10°C | | kW | 9.5 | 9.5 | 9.5 | 9.5 |
| Seasonal Energy Label | Cooling / Heating | | - | A++ / A+ | - / - | - / - | - / - |
| Annual Energy Consumption | Cooling / Heating | | kWh | 437 / 2,956 | 981 / 2,956 | 1,182 / 2,956 | 1,364 / 2,956 |
| Dehumidification Rate | | | l/h | 2.6 | 4.8 | 5.3 | 6.9 |
| 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 | | mm (inch) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) | Ø9.52 (3/8) |
| | Gas | | mm (inch) | Ø15.88 (5/8) | Ø15.88 (5/8) | Ø15.88 (5/8) | 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** | | | | **UT36FH NA0** | **UT42FH NA0** | **UT48FH NA0** | **UT60FH NA0** |
| 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 | 70 / 59 / 50 | 70 / 59 / 50 | 81 / 60 / 50 | 81 / 60 / 50 |
| Air Flow Rate | | H / M / L | m³/min | 28 / 25 / 23 | 28 / 25 / 23 | 30 / 27 / 24 | 30 / 27 / 24 |
| Dimensions | Body | W x H x D | mm | 840 x 288 x 840 | 840 x 288 x 840 | 840 x 288 x 840 | 840 x 288 x 840 |
| Weight | Body | | kg | 27.2 | 27.2 | 27.2 | 27.2 |
| Sound Pressure Level | Cooling | H / M / L | dB(A) | 44 / 42 / 41 | 44 / 42 / 41 | 45 / 43 / 41 | 45 / 43 / 41 |
| Sound Power Level | Cooling | Max. | dB(A) | 59 | 59 | 61 | 61 |
| Piping Connections | Drain | O.D. / I.D. | mm | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 | Ø32.0 / 25.0 |
| Recommended Decoration Panel* | Model Name | | - | PT-AFGW0 | PT-AFGW0 | PT-AFGW0 | PT-AFGW0 |
| | Color | | - | White | White | White | White |
| | Dimensions | Body | mm | 950 x 35 x 950 | 950 x 35 x 950 | 950 x 35 x 950 | 950 x 35 x 950 |
| | Weight | Body | kg | 7.5 | 7.5 | 7.5 | 7.5 |
| **OUTDOOR** | | | | **UUD1 U30** | | | |
| Power Supply | | | Ø / V / Hz | 1 / 220-240 / 50 | | | |
| Circuit Breaker | | Min. | A | 40 | | | |
| Power Supply Cable (Included Earth) | | | No x mm² | 3C x 6.0 | | | |
| Dimensions | Net | W x H x D | mm | 950 x 1,380 x 330 | | | |
| Weight | Net | | kg | 85.0 | | | |
| Compressor | Type | | - | Inverter Scroll | | | |
| Refrigerant | Type | | - | R32 | | | |
| | GWP (Global Warming Potential) | | - | 675 | | | |
| | Precharged Amount | | kg | 3.0 | | | |
| | t-$CO_2$eq | | - | 2.025 | | | |
| | Additional Charge (After 7.5m) | | 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 | | | |

* Decoration panel can be selected as an optional accessory.

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)

Megaclima
DESDE 1993

# *30 Anos na climatização e tratamento de ar*

video 2"

Apresentação Megaclima

video 7"

Por dentro da Megaclima


**Delegação de Lisboa**
Tel: 219 151 792
lisboa@megaclima.pt

**Delegação de Queluz**
Tel: 21 925 00 28
queluz@megaclima.pt

**Serviços Centrais**
Rua Francisco Ribeirinho, 28
Centro Empresarial Abrunheira – Escritório 11
Abrunheira 2710-736 Sintra
Tel:219 253 300
www.megaclima.pt
geral@megaclima.pt