

**STANDARD INVERTER (R32)**

CT09F / CT12F / CT18F



UUA1 ULO UUB1 U20



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

| COMBINATION                         |                                |                     |            | 9                  | 12                 | 18                 |
|-------------------------------------|--------------------------------|---------------------|------------|--------------------|--------------------|--------------------|
| Capacity                            | Cooling                        | Min. / Rated / Max. | kW         | 1.5 / 2.5 / 3.2    | 1.5 / 3.4 / 4.5    | 2.0 / 5.0 / 5.8    |
|                                     | Heating                        | Min. / Rated / Max. | kW         | 1.8 / 3.2 / 3.7    | 1.8 / 4.1 / 5.0    | 2.3 / 5.7 / 6.6    |
| Power Input (Set)                   | Cooling                        | Min. / Rated / Max. | kW         | 0.30 / 0.61 / 0.87 | 0.30 / 0.98 / 1.62 | 0.30 / 1.57 / 2.20 |
|                                     | Heating                        | Min. / Rated / Max. | kW         | 0.30 / 0.75 / 0.89 | 0.30 / 1.11 / 1.57 | 0.30 / 1.52 / 2.13 |
| Running Current                     | Cooling                        | Rated               | A          | 2.7                | 4.4                | 8.0                |
|                                     | Heating                        | Rated               | A          | 3.3                | 4.9                | 7.8                |
| EER / COP                           |                                |                     | kWh/kWh    | 4.10 / 4.30        | 3.50 / 3.71        | 3.19 / 3.74        |
| SEER / SCOP                         |                                |                     | kWh/kWh    | 6.7 / 4.0          | 6.7 / 4.0          | 6.4 / 4.3          |
| Pdesign                             | Cooling @ 35°C                 |                     | kW         | 2.5                | 3.4                | 5                  |
|                                     | 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        | 131 / 980          | 178 / 980          | 273 / 1,335        |
| Dehumidification Rate               |                                |                     | l/h        | 0.63               | 1.26               | 1.89               |
| 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           |
| <b>INDOOR</b>                       |                                |                     |            | <b>CT09F NRO</b>   | <b>CT12F NRO</b>   | <b>CT18F NQ0</b>   |
| Power Supply                        |                                |                     | Ø / V / Hz | 1 / 220-240 / 50   | 1 / 220-240 / 50   | 1 / 220-240 / 50   |
| Power Input (IDU)                   |                                | H / M / L           | W          | 26 / 22 / 19       | 28 / 24 / 20       | 30 / 26 / 22       |
| Air Flow Rate                       |                                | H / M / L           | m³/min     | 8.5 / 7.0 / 6.0    | 9.5 / 8.0 / 7.0    | 13 / 12 / 11       |
| Dimensions                          | Body                           | W x H x D           | mm         | 570 x 214 x 570    | 570 x 214 x 570    | 570 x 256 x 570    |
|                                     | Weight                         |                     | kg         | 12.4               | 12.4               | 13.9               |
| Sound Pressure Level                | Cooling                        | H / M / L           | dB(A)      | 36 / 33 / 30       | 38 / 35 / 32       | 41 / 39 / 37       |
| Sound Power Level                   | Cooling                        | Max.                | dB(A)      | 52                 | 52                 | 57                 |
| 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-QAGW0           |
|                                     | Color                          |                     | -          | White              | White              | White              |
|                                     | Dimensions                     | Body                | mm         | 620 x 34 x 620     | 620 x 34 x 620     | 620 x 34 x 620     |
|                                     | Weight                         | Body                | kg         | 3.0                | 3.0                | 3.0                |
| <b>OUTDOOR</b>                      |                                |                     |            | <b>UUA1 ULO</b>    | <b>UUB1 U20</b>    |                    |
| 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        |                    |
|                                     | Type                           |                     | -          | R32                | R32                |                    |
|                                     | GWP (Global Warming Potential) |                     | -          | 675                | 675                |                    |
|                                     | Precharged Amount              |                     | kg         | 1.0                | 1.2                |                    |
|                                     | t-CO <sub>2</sub> eq           |                     | -          | 0.675              | 0.81               |                    |
| Refrigerant                         | 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 :

- Due to our policy of innovation some specifications may be changed without notification.
- 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.
- 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.
- This product contains fluorinated greenhouse gases. (R32)

**STANDARD INVERTER (R32)**

CT24F / UT30F



UUC1 U40



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| COMBINATION                         |                                |                     |            | 24                 | 30                 |
|-------------------------------------|--------------------------------|---------------------|------------|--------------------|--------------------|
| Capacity                            | Cooling                        | Min. / Rated / Max. | kW         | 2.7 / 6.8 / 8.0    | 3.2 / 8.0 / 9.2    |
|                                     | Heating                        | Min. / Rated / Max. | kW         | 3.0 / 7.5 / 9.0    | 3.6 / 8.9 / 10.1   |
| Power Input (Set)                   | Cooling                        | Min. / Rated / Max. | kW         | 0.40 / 1.93 / 2.66 | 0.50 / 2.45 / 3.14 |
|                                     | Heating                        | Min. / Rated / Max. | kW         | 0.40 / 1.96 / 2.84 | 0.50 / 2.62 / 3.25 |
| Running Current                     | Cooling                        | Rated               | A          | 8.6                | 10.9               |
|                                     | Heating                        | Rated               | A          | 8.7                | 11.6               |
| EER / COP                           |                                |                     | kWh/kWh    | 3.52 / 3.83        | 3.27 / 3.40        |
| SEER / SCOP                         |                                |                     | kWh/kWh    | 7.4 / 4.3          | 7.1 / 4.3          |
| Pdesign                             | Cooling @ 35°C                 |                     | kW         | 6.8                | 8                  |
|                                     | Heating @ -10°C                |                     | kW         | 5.6                | 5.6                |
| Seasonal Energy Label               | Cooling / Heating              |                     | -          | A++ / A+           | A++ / A+           |
| Annual Energy Consumption           | Cooling / Heating              |                     | kWh        | 322 / 1,823        | 394 / 1,823        |
| Dehumidification Rate               |                                |                     | l/h        | 2.8                | 2.8                |
| 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           |
| <b>INDOOR</b>                       |                                |                     |            | <b>CT24F NBO</b>   | <b>UT30F NBO</b>   |
| Power Supply                        |                                |                     | Ø / V / Hz | 1 / 220-240 / 50   | 1 / 220-240 / 50   |
| Power Input (IDU)                   |                                | H / M / L           | W          | 36 / 26 / 21       | 40 / 33 / 26       |
| Air Flow Rate                       |                                | H / M / L           | m³/min     | 18 / 15.5 / 14     | 19 / 17 / 15.5     |
| Dimensions                          | Body                           | W x H x D           | mm         | 840 x 204 x 840    | 840 x 204 x 840    |
|                                     | Weight                         |                     | kg         | 21.1               | 21.1               |
| Sound Pressure Level                | Cooling                        | H / M / L           | dB(A)      | 38 / 36 / 34       | 40 / 37 / 35       |
| Sound Power Level                   | Cooling                        | Max.                | dB(A)      | 53                 | 57                 |
| Piping Connections                  | Drain                          | O.D. / I.D.         | mm         | Ø32.0 / 25.0       | Ø32.0 / 25.0       |
| Recommended Decoration Panel*       | Model Name                     |                     | -          | PT-AAGW0           | PT-AAGW0           |
|                                     | Color                          |                     | -          | White              | White              |
|                                     | Dimensions                     | Body                | mm         | 950 x 35 x 950     | 950 x 35 x 950     |
|                                     | Weight                         | Body                | kg         | 7.1                | 7.1                |
| <b>OUTDOOR</b>                      |                                |                     |            | <b>UUC1 U40</b>    |                    |
| Power Supply                        |                                |                     | Ø / V / Hz | 1 / 220-240 / 50   |                    |
| Circuit Breaker                     |                                | Min.                | A          | 25                 |                    |
| Power Supply Cable (Included Earth) |                                |                     | No x mm³   | 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        |                    |
|                                     | Type                           |                     | -          | R32                |                    |
|                                     | GWP (Global Warming Potential) |                     | -          | 675                |                    |
|                                     | Precharged Amount              |                     | kg         | 1.9                |                    |
|                                     | t-CO <sub>2</sub> eq           |                     | -          | 1.283              |                    |
| Refrigerant                         | 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                 |                    |

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