



# PRODUCT PERFORMANCE RATING

Document ID 012020201131-10681322

Issued on 20 January 2020

This product is certified by Eurovent Certita Certification as mentioned on

**Certificate N° 00.01.136**

This document is valid at the date of issue - **Check the current validity on [www.eurovent-certification.com](http://www.eurovent-certification.com)**

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Product           | Air Conditioners / Climatiseurs (AC)                               |
| Product type      | Comfort air conditioner below 12 kW/ air-cooled/ split/ reversible |
| Brand             | LG                                                                 |
| Range             | U4                                                                 |
| Product référence | UUC1 U40 / UT24FH NAO                                              |

This performance certificate is delivered for the following project:

| Project Name   | Company        | Project reference | Project location |
|----------------|----------------|-------------------|------------------|
| LG ELECTRONICS | LG ELECTRONICS | LG ELECTRONICS    | Italy            |

| FEATURE                                   | VALUE | UNIT |
|-------------------------------------------|-------|------|
| <b>STANDARD COOLING/COOLING PL COND A</b> |       |      |
| Pc                                        | 6.80  | kW   |
| Pec                                       | 1.66  | kW   |
| EER                                       | 4.10  |      |



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| FEATURE          | VALUE | UNIT |
|------------------|-------|------|
| STANDARD HEATING |       |      |
| Ph               | 7.90  | kW   |
| Peh              | 1.76  | kW   |
| COP              | 4.48  |      |

| FEATURE  | VALUE | UNIT  |
|----------|-------|-------|
| ACOUSTIC |       |       |
| LwO env  | 65    | dB(A) |
| Lwl1 env | 56    | dB(A) |

| FEATURE          | VALUE | UNIT |
|------------------|-------|------|
| COOLING PL CONDB |       |      |
| Pc @ 30°C        | 5.01  | kW   |
| EER @ 30°C       | 6.15  |      |



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| FEATURE          | VALUE | UNIT |
|------------------|-------|------|
| COOLING PL CONDC |       |      |
| Pc @ 25°C        | 3.22  | kW   |
| EER @ 25°C       | 10.20 |      |

| FEATURE          | VALUE | UNIT |
|------------------|-------|------|
| COOLING PL CONDD |       |      |
| Pc @ 20°C        | 2.00  | kW   |
| EER @ 20°C       | 18.78 |      |

| FEATURE                        | VALUE  | UNIT      |
|--------------------------------|--------|-----------|
| SEASONAL EFFICIENCY IN COOLING |        |           |
| Pdesignc                       | 6.80   | kW        |
| SEER                           | 8.50   |           |
| Qce                            | 280.00 | kWh/annum |
| SEER Class                     | A+++   |           |



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| FEATURE          | VALUE | UNIT |
|------------------|-------|------|
| HEATING PL CONDA |       |      |
| Ph @ -7°C        | 4.87  | kW   |
| COP @ -7°C       | 3.30  |      |

| FEATURE          | VALUE | UNIT |
|------------------|-------|------|
| HEATING PL CONDB |       |      |
| Ph @ +2°C        | 2.96  | kW   |
| COP @ 2°C        | 4.61  |      |

| FEATURE          | VALUE | UNIT |
|------------------|-------|------|
| HEATING PL CONDC |       |      |
| Ph @ +7°C        | 1.90  | kW   |
| COP @ +7°C       | 6.16  |      |



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| FEATURE          | VALUE | UNIT |
|------------------|-------|------|
| HEATING PL CONDD |       |      |
| Ph @ +12°C       | 2.00  | kW   |
| COP @ +12°C      | 8.05  |      |

| FEATURE                 | VALUE   | UNIT      |
|-------------------------|---------|-----------|
| HEATING AVERAGE CLIMATE |         |           |
| Pdesignh                | 5.50    | kW        |
| SCOP                    | 4.80    |           |
| SCOP Class              | A++     |           |
| Qhe                     | 1604.00 | kWh/annum |

| FEATURE        | VALUE | UNIT |
|----------------|-------|------|
| BIVALENT POINT |       |      |
| Tbiv           | -7    | °C   |
| COP @ Tbiv     | 3.30  |      |
| Ph TBiv        | 4.87  | kW   |



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| FEATURE         | VALUE  | UNIT |
|-----------------|--------|------|
| TOL RUNING TEST |        |      |
| TOL             | -10.00 | °C   |
| COP @ TOL       | 2.90   |      |
| Ph @ TOL        | 5.40   | kW   |

| FEATURE | VALUE | UNIT |
|---------|-------|------|
| POFFC   |       |      |
| Poff    | 27.00 | W    |

| FEATURE | VALUE | UNIT |
|---------|-------|------|
| PSBC    |       |      |
| Psb     | 5.00  | W    |

| FEATURE | VALUE | UNIT |
|---------|-------|------|
| PTOC    |       |      |
| Pto     | 5.00  | W    |



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| FEATURE           | VALUE    | UNIT |
|-------------------|----------|------|
| GENERAL           |          |      |
| Capacity Control  | Variable |      |
| Main Power Supply | 230-1-50 |      |
| Refrigerant       | R32      |      |
| Refr. Line        | 5m       | m    |
| Mounting          | Cassette |      |