

# Model name

## AC12BQ UA3 (Outdoor unit) / AC12BQ NSJ (Indoor unit)

|                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
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| <b>Function (indicate if present)</b><br>cooling <input type="checkbox"/> Y<br>heating <input type="checkbox"/> Y                                                                                                                                                                                                                                                                                                                |  | <b>If the function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.</b><br>Average (mandatory) <input type="checkbox"/> Y<br>Warmer (if designated) <input type="checkbox"/> Y<br>Colder (if designated) <input type="checkbox"/> N                                                            |  | Declared capacity* for heating / Colder climate, at indoor temperature 20°C and outdoor temperature Tj<br>Tj=-7°C Pdh <input type="checkbox"/> x,x kW<br>Tj=2°C Pdh <input type="checkbox"/> x,x kW<br>Tj=7°C Pdh <input type="checkbox"/> x,x kW<br>Tj=12°C Pdh <input type="checkbox"/> x,x kW<br>Tj=bivalent temperature Pdh <input type="checkbox"/> x,x kW<br>Tj=operating limit Pdh <input type="checkbox"/> x,x kW<br>Tj=-15°C Pdh <input type="checkbox"/> x,x kW |  | Declared Coefficient of performance* / Colder climate, at indoor temperature 20°C and outdoor temperature Tj<br>Tj=-7°C COPd <input type="checkbox"/> x,x<br>Tj=2°C COPd <input type="checkbox"/> x,x<br>Tj=7°C COPd <input type="checkbox"/> x,x<br>Tj=12°C COPd <input type="checkbox"/> x,x<br>Tj=bivalent temperature COPd <input type="checkbox"/> x,x<br>Tj=operating limit COPd <input type="checkbox"/> x,x<br>Tj=-15°C COPd <input type="checkbox"/> x,x |  |
| <b>Design load</b><br>cooling Pdesignc <input type="checkbox"/> 3,5 kW<br>heating / Average Pdesignh <input type="checkbox"/> 2,5 kW<br>heating / Warmer Pdesignh <input type="checkbox"/> 1,3 kW<br>heating / Colder Pdesignh <input type="checkbox"/> x,x kW                                                                                                                                                                   |  | <b>Seasonal efficiency</b><br>cooling SEER <input type="checkbox"/> 6,6<br>heating / Average SCOP/A <input type="checkbox"/> 4,0<br>heating / Warmer SCOP/W <input type="checkbox"/> 4,9<br>heating / Colder SCOP/C <input type="checkbox"/> x,x                                                                                                                                                                                       |  | Bivalent temperature heating / Average Tbiv <input type="checkbox"/> -10 °C<br>heating / Warmer Tbiv <input type="checkbox"/> 2 °C<br>heating / Colder Tbiv <input type="checkbox"/> x °C                                                                                                                                                                                                                                                                                 |  | Operating limit temperature heating / Average Tol <input type="checkbox"/> -10 °C<br>heating / Warmer Tol <input type="checkbox"/> 2 °C<br>heating / Colder Tol <input type="checkbox"/> x °C                                                                                                                                                                                                                                                                     |  |
| Declared capacity* for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj<br>Tj=35°C Pdc <input type="checkbox"/> 3,50 kW<br>Tj=30°C Pdc <input type="checkbox"/> 2,58 kW<br>Tj=25°C Pdc <input type="checkbox"/> 1,66 kW<br>Tj=20°C Pdc <input type="checkbox"/> 1,05 kW                                                                                                                                        |  | Declared Energy efficiency ratio* for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj<br>Tj=35°C EERd <input type="checkbox"/> 3,24<br>Tj=30°C EERd <input type="checkbox"/> 5,00<br>Tj=25°C EERd <input type="checkbox"/> 8,30<br>Tj=20°C EERd <input type="checkbox"/> 11,50                                                                                                                                      |  | Degradation co-efficient cooling** Cdc <input type="checkbox"/> 0,25 -                                                                                                                                                                                                                                                                                                                                                                                                    |  | Degradation co-efficient heating** Cdh <input type="checkbox"/> 0,25 -                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Declared capacity* for heating / Average climate, at indoor temperature 20°C and outdoor temperature Td<br>Tj=-7°C Pdh <input type="checkbox"/> 2,25 kW<br>Tj=2°C Pdh <input type="checkbox"/> 1,35 kW<br>Tj=7°C Pdh <input type="checkbox"/> 0,88 kW<br>Tj=12°C Pdh <input type="checkbox"/> 1,00 kW<br>Tj=bivalent temperature Pdh <input type="checkbox"/> 2,50 kW<br>Tj=operating limit Pdh <input type="checkbox"/> 2,50 kW |  | Declared Coefficient of performance* for heating / Average climate, at indoor temperature 20°C and outdoor temperature Tj<br>Tj=-7°C COPd <input type="checkbox"/> 2,78<br>Tj=2°C COPd <input type="checkbox"/> 3,87<br>Tj=7°C COPd <input type="checkbox"/> 5,06<br>Tj=12°C COPd <input type="checkbox"/> 6,37<br>Tj=bivalent temperature COPd <input type="checkbox"/> 2,74<br>Tj=operating limit COPd <input type="checkbox"/> 2,74 |  | Electric power input in power modes other than 'active mode'<br>off mode P <sub>OFF</sub> <input type="checkbox"/> 0,003 kW<br>standby mode P <sub>SB</sub> <input type="checkbox"/> 0,003 kW<br>thermostat-off mode P <sub>TO</sub> <input type="checkbox"/> 0,012 kW<br>crankcase heater mode P <sub>CK</sub> <input type="checkbox"/> 0 kW                                                                                                                             |  | Annual electricity consumption<br>cooling Q <sub>CE</sub> <input type="checkbox"/> 186 kWh/a<br>heating / Average Q <sub>HE</sub> <input type="checkbox"/> 875 kWh/a<br>heating / Warmer Q <sub>HE</sub> <input type="checkbox"/> 386 kWh/a<br>heating / Colder Q <sub>HE</sub> <input type="checkbox"/> xx kWh/a                                                                                                                                                 |  |
| Declared capacity* for heating / Warmer climate, at indoor temperature 20°C and outdoor temperature Tj<br>Tj=2°C Pdh <input type="checkbox"/> 1,30 kW<br>Tj=7°C Pdh <input type="checkbox"/> 0,88 kW<br>Tj=12°C Pdh <input type="checkbox"/> 1,00 kW<br>Tj=bivalent temperature Pdh <input type="checkbox"/> 1,30 kW<br>Tj=operating limit Pdh <input type="checkbox"/> 1,30 kW                                                  |  | Declared Coefficient of performance* / Warmer climate, at indoor temperature 20°C and outdoor temperature Tj<br>Tj=2°C COPd <input type="checkbox"/> 3,80<br>Tj=7°C COPd <input type="checkbox"/> 5,00<br>Tj=12°C COPd <input type="checkbox"/> 6,30<br>Tj=bivalent temperature COPd <input type="checkbox"/> 3,80<br>Tj=operating limit COPd <input type="checkbox"/> 3,80                                                            |  | Capacity control (indicate one of three options)<br>fixed <input type="checkbox"/> N<br>staged <input type="checkbox"/> N<br>variable <input type="checkbox"/> Y                                                                                                                                                                                                                                                                                                          |  | Other items<br>Sound power level (indoor/outdoor) L <sub>WA</sub> <input type="checkbox"/> 59 / 65 dB(A)<br>Global warming potential GWP <input type="checkbox"/> 675 kgCO <sub>2</sub> eq.<br>Rated air flow (indoor/outdoor) - <input type="checkbox"/> 750 / 1620 m <sup>3</sup> /h                                                                                                                                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Contact details for obtaining more information<br>Christianna PAPAZHARIOU<br>Internal communicator - Energy & environment regulations expert<br>LG Electronics<br>Paris Nord II - 117 avenue des Nations<br>BP 59372 Villepinte - 95942 Roissy CDG Cedex<br>chris.papazahariou@lge.com<br>Tel. +33 1 49 89 57 41, +33 6 83 077 455                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |

\*= For staged capacity units, two values divided by a slash (/) will be declared in each box in the section "Declared capacity of the unit" and "declared EER/COP" of the unit.

\*\*= If default Cd=0.25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.

