

As by Commission Communication in the framework of ecodesign requirements for air conditioners and comfort fans (EU Regulation no. 206/2012 ) and of energy labelling of air conditioners - (EU Regulation no. 626/2011).

**MODEL : AQ OUT HY 14 / AQ WNI 12 (x2)**

| Function to which information applies   |                      |       |      | If information applies to heating: heating season to which information relates.   |                     |          |                       |
|---|----------------------|-------|------|---|---------------------|----------|-----------------------|
| Cooling   |                      | Y     |      | Heating (Average)(-10°C)  |                     | Y        |                       |
| Heating   |                      | Y     |      | Heating (Warmer)(+2°C)  |                     | na       |                       |
|   |                      |       |      | Heating (Colder)(-22°C)   |                     | na       |                       |
| Item  | symbol               | value | unit | Item  | symbol              | value    | unit                  |
| <b>Design load</b>  |                      |       |      | <b>Seasonal efficiency</b>  |                     |          |                       |
| Cooling   | P <sub>designc</sub> | 4,3   | kW   | Cooling   | SEER                | 6,5      | -                     |
| Heating (Average)(-10°C)  | P <sub>designh</sub> | 3,4   | kW   | Heating (Average)(-10°C)  | SCOP (A)            | 4,1      | -                     |
| Heating (Warmer)(+2°C)  | P <sub>designh</sub> | na    | kW   | Heating (Warmer)(+2°C)  | SCOP (W)            | na       | -                     |
| Heating (Colder)(-22°C)   | P <sub>designh</sub> | na    | kW   | Heating (Colder)(-22°C)   | SCOP (C)            | na       | -                     |
| <b>Declared capacity (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature T<sub>j</sub></b>              |                      |       |      | <b>Declared Energy efficiency ratio (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature T<sub>j</sub></b>                             |                     |          |                       |
| T <sub>j</sub> = 35°C   | P <sub>dc</sub>      | 4,31  | kW   | T <sub>j</sub> = 35°C   | EERd                | 2,57     | -                     |
| T <sub>j</sub> = 30°C   | P <sub>dc</sub>      | 3,18  | kW   | T <sub>j</sub> = 30°C   | EERd                | 4,73     | -                     |
| T <sub>j</sub> = 25°C   | P <sub>dc</sub>      | 2,05  | kW   | T <sub>j</sub> = 25°C   | EERd                | 8,40     | -                     |
| T <sub>j</sub> = 20°C   | P <sub>dc</sub>      | 1,40  | kW   | T <sub>j</sub> = 20°C   | EERd                | 11,01    | -                     |
| <b>Declared capacity (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b> |                      |       |      | <b>Declared Coefficient of Performance (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>             |                     |          |                       |
| T <sub>j</sub> = -7°C   | P <sub>dh</sub>      | 3,03  | kW   | T <sub>j</sub> = -7°C   | COPd                | 3,36     | -                     |
| T <sub>j</sub> = 2°C  | P <sub>dh</sub>      | 1,67  | kW   | T <sub>j</sub> = 2°C  | COPd                | 3,95     | -                     |
| T <sub>j</sub> = 7°C  | P <sub>dh</sub>      | 1,21  | kW   | T <sub>j</sub> = 7°C  | COPd                | 5,36     | -                     |
| T <sub>j</sub> = 12°C   | P <sub>dh</sub>      | 1,16  | kW   | T <sub>j</sub> = 12°C   | COPd                | 4,54     | -                     |
| T <sub>j</sub> = bivalent temperature   | P <sub>dh</sub>      | 3,03  | kW   | T <sub>j</sub> = bivalent temperature   | COPd                | 3,36     | -                     |
| T <sub>j</sub> = operating limit temperature  | P <sub>dh</sub>      | 2,21  | kW   | T <sub>j</sub> = operating limit temperature  | COPd                | 1,56     | -                     |
| <b>Declared capacity (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>  |                      |       |      | <b>Declared Coefficient of Performance (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>              |                     |          |                       |
| T <sub>j</sub> = 2°C  | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = 2°C  | COPd                | na       | -                     |
| T <sub>j</sub> = 7°C  | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = 7°C  | COPd                | na       | -                     |
| T <sub>j</sub> = 12°C   | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = 12°C   | COPd                | na       | -                     |
| T <sub>j</sub> = bivalent temperature   | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = bivalent temperature   | COPd                | na       | -                     |
| T <sub>j</sub> = operating limit temperature  | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = operating limit temperature  | COPd                | na       | -                     |
| <b>Declared capacity (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>  |                      |       |      | <b>Declared Coefficient of Performance (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>              |                     |          |                       |
| T <sub>j</sub> = -7°C   | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = -7°C   | COPd                | na       | -                     |
| T <sub>j</sub> = 2°C  | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = 2°C  | COPd                | na       | -                     |
| T <sub>j</sub> = 7°C  | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = 7°C  | COPd                | na       | -                     |
| T <sub>j</sub> = 12°C   | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = 12°C   | COPd                | na       | -                     |
| T <sub>j</sub> = bivalent temperature   | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = bivalent temperature   | COPd                | na       | -                     |
| T <sub>j</sub> = operating limit temperature  | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = operating limit temperature  | COPd                | na       | -                     |
| T <sub>j</sub> = -15°C  | P <sub>dh</sub>      | na    | kW   | T <sub>j</sub> = -15°C  | COPd                | na       | -                     |
| <b>Bivalent temperature</b>   |                      |       |      | <b>Operating limit temperature</b>  |                     |          |                       |
| Heating (Average)   | T <sub>biv</sub>     | -7    | °C   | Heating (Average)   | T <sub>ol</sub>     | -22      | °C                    |
| Heating (Warmer)  | T <sub>biv</sub>     | na    | °C   | Heating (Warmer)  | T <sub>ol</sub>     | na       | °C                    |
| Heating (Colder)  | T <sub>biv</sub>     | na    | °C   | Heating (Colder)  | T <sub>ol</sub>     | na       | °C                    |
| <b>Power consumption of cycling</b>   |                      |       |      | <b>Efficiency of cycling</b>  |                     |          |                       |
| Cooling   | P <sub>cycc</sub>    | na    | kW   | Cooling   | EER <sub>cycc</sub> | na       | -                     |
| Heating   | P <sub>cyhc</sub>    | na    | kW   | Heating   | COP <sub>cyhc</sub> | na       | -                     |
| Degradation coefficient cooling(**)   | C <sub>dc</sub>      | 0,25  | -    | Degradation coefficient heating(**)   | C <sub>dh</sub>     | 0,25     | -                     |
| <b>Electric power input in power modes other than "active mode"</b>   |                      |       |      | <b>Seasonal electricity consumption</b>   |                     |          |                       |
| Off mode  | P <sub>OFF</sub>     | na    | W    | Cooling   | Q <sub>CE</sub>     | 232      | kWh/a                 |
| Standby mode  | P <sub>SB</sub>      | 1,15  | W    | Heating (Average)(-10°C)  | Q <sub>HE/A</sub>   | 1165     | kWh/a                 |
| Thermostat-off mode   | P <sub>TO</sub>      | 1,15  | W    | Heating (Warmer)(+2°C)  | Q <sub>HE/W</sub>   | na       | kWh/a                 |
| Crankcase heater mode   | P <sub>CK</sub>      | 30    | W    | Heating (Colder)(-22°C)   | Q <sub>HE/C</sub>   | na       | kWh/a                 |
| <b>Capacity control type</b>  |                      |       |      | <b>Other items</b>  |                     |          |                       |
| Fixed   |                      | N     |      | Sound power level (indoor/outdoor)  | L <sub>WA</sub>     | 45/58    | dB(A)                 |
| Staged  |                      | N     |      | Refrigerant type  |                     | R410A    |                       |
| Variable  |                      | Y     |      | Global warming potential  | GWP                 | 2087,5   | KgCO <sub>2</sub> eq. |
|   |                      |       |      | Rated air flow (indoor/outdoor)   |                     | 600/1700 | m <sup>3</sup> /h     |
| For more detailed information   |                      |       |      | <b>EUROFRED, S.A. -MARQUÉS DE SENTMENAT, 97</b><br><b>08029 BARCELONA - T.: + 34 934 199 797</b><br><b>F.: + 34 934 198 686</b><br><b>www.eurofred.es</b> |                     |          |                       |

(5) For multisplit appliances, data shall be provided at a Capacity ratio of 1.

(\*\*) 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