

**Information requirements  
(air-to-air air conditioners)**

|   |                                      |       |                                   |  |              |       |         |
|---|--------------------------------------|-------|-----------------------------------|--|--------------|-------|---------|
| Model(s):DVO-40UIA_COMPACT  |                                      |       |                                   |  |              |       |         |
| Outdoor side heat exchanger of air conditioner  | air                                  |       |                                   |  |              |       |         |
| Indoor side heat exchanger of air conditioner   | air                                  |       |                                   |  |              |       |         |
| Type  | compressor driven vapour compression |       |                                   |  |              |       |         |
| If applicable: driver of compressor   | electric motor                       |       |                                   |  |              |       |         |
| Item  | Symbol                               | Value | Unit                              | Item   | Symbol       | Value | Unit    |
| Rated cooling capacity  | $P_{rated,c}$                        | 12.10 | kW                                | Seasonal space cooling energy efficiency   | $\eta_{s,c}$ | 232.6 | %       |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19 °C (dry/wet bulb)   |                                      |       |                                   | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |              |       |         |
| $T_j = + 35 \text{ °C}$   | $P_{dc}$                             | 12.19 | kW                                | $T_j = + 35 \text{ °C}$  | $EER_d$      | 2.35  | -       |
| $T_j = + 30 \text{ °C}$   | $P_{dc}$                             | 8.61  | kW                                | $T_j = + 30 \text{ °C}$  | $EER_d$      | 4.22  | -       |
| $T_j = + 25 \text{ °C}$   | $P_{dc}$                             | 5.53  | kW                                | $T_j = + 25 \text{ °C}$  | $EER_d$      | 8.00  | -       |
| $T_j = + 20 \text{ °C}$   | $P_{dc}$                             | 2.80  | kW                                | $T_j = + 20 \text{ °C}$  | $EER_d$      | 20.00 | -       |
| Degradation co-efficient for air conditioners(*)  | $C_{dc}$                             | 0.25  | -                                 |  |              |       | -       |
| Power consumption in modes other than 'active mode'   |                                      |       |                                   |  |              |       |         |
| Off mode  | $P_{OFF}$                            | 0.048 | kW                                | Crankcase heater mode  | $P_{CK}$     | 0.048 | kW      |
| Thermostat-off mode   | $P_{TO}$                             | 0.010 | kW                                | Standby mode   | $P_{SB}$     | 0.048 | kW      |
| Other items   |                                      |       |                                   |  |              |       |         |
| Capacity control  | variable                             |       |                                   | For air-to-air air conditioner: air flow rate, outdoor measured                    | -            | 4400  | $m^3/h$ |
| Sound power level, indoor/outdoor   | $L_{WA}$                             | -/75  | dB                                |  |              |       |         |
| If engine driven: Emissions of nitrogen oxides  | $NO_x(**)$                           | -     | mg/kWh fuel input GCV             |  |              |       |         |
| GWP of the refrigerant  | 2088                                 |       | kg CO <sub>2</sub> eq (100 years) |  |              |       |         |
| Contact details:<br>C/ Marqués de Sentmenat 97, 08029 Barcelona   |                                      |       |                                   | Name of manufacturer:<br>Gwtqhtgf UOC0   |              |       |         |
| (*) If $C_{dc}$ is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25. (**) From 26 September 2018. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. |                                      |       |                                   |  |              |       |         |

**Information requirements  
(heat pump)**

|   |                           |       |                       |   |              |       |                   |
|---|---------------------------|-------|-----------------------|---|--------------|-------|-------------------|
| Model(s): DVO-40UIA COMPACT   |                           |       |                       |   |              |       |                   |
| Outdoor side heat exchanger of heat pump  | air                       |       |                       |   |              |       |                   |
| Indoor side heat exchanger of heat pump   | air                       |       |                       |   |              |       |                   |
| Indication if the heater is equipped with a supplementary heater  | no                        |       |                       |   |              |       |                   |
| If applicable: driver of compressor   | electric motor            |       |                       |   |              |       |                   |
| Parameters declared for   | Average climate condition |       |                       |   |              |       |                   |
| Item  | symbol                    | value | unit                  | Item  | symbol       | value | unit              |
| Rated heating capacity  | $P_{rated,h}$             | 12.10 | kW                    | Seasonal space heating energy efficiency  | $\eta_{s,h}$ | 156.6 | %                 |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$   |                           |       |                       | Declared coefficient of performance for part load at given outdoor temperatures $T_j$ |              |       |                   |
| $T_i = -7\text{ °C}$  | $P_{dh}$                  | 8.05  | kW                    | $T_i = -7\text{ °C}$  | $COP_d$      | 2.41  | -                 |
| $T_i = +2\text{ °C}$  | $P_{dh}$                  | 4.82  | kW                    | $T_i = +2\text{ °C}$  | $COP_d$      | 3.59  | -                 |
| $T_i = +7\text{ °C}$  | $P_{dh}$                  | 3.07  | kW                    | $T_i = +7\text{ °C}$  | $COP_d$      | 6.25  | -                 |
| $T_i = +12\text{ °C}$   | $P_{dh}$                  | 2.04  | kW                    | $T_i = +12\text{ °C}$   | $COP_d$      | 8.00  | -                 |
| $T_{biv}$ = bivalent temperature  | $P_{dh}$                  | 8.05  | kW                    | $T_{biv}$ = bivalent temperature  | $COP_d$      | 2.41  | -                 |
| $T_{OL}$ = operation limit  | $P_{dh}$                  | 9.13  | kW                    | $T_{OL}$ = operation limit  | $COP_d$      | 2.20  | -                 |
| $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$ )   | $P_{dh}$                  | -     | kW                    | $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$ )                                     | $COP_d$      | -     | -                 |
| Bivalent temperature  | $T_{biv}$                 | -7    | °C                    | Operation limit temperature   | $T_{ol}$     | -10   | °C                |
| Degradation co-efficient heat pumps(**)   | $C_{dh}$                  | 0.25  | -                     |   |              |       |                   |
| Power consumption in modes other than 'active mode'   |                           |       |                       | Supplementary heater  |              |       |                   |
| Off mode  | $P_{OFF}$                 | 0.048 | kW                    | Back-up heating capacity (*)  | $el_{bu}$    | 0     | kW                |
| Thermostat-off mode   | $P_{TO}$                  | 0.053 | kW                    | Type of energy input  | Electric     |       |                   |
| Crankcase heater mode   | $P_{CK}$                  | 0.048 | kW                    | Standby mode  | $P_{SB}$     | 0.048 | kW                |
| Other items   |                           |       |                       |   |              |       |                   |
| Capacity control  | variable                  |       |                       | air flow rate, outdoor measured   | -            | 4400  | m <sup>3</sup> /h |
| Sound power level, indoor/outdoor measured  | $L_{WA}$                  | -/75  | dB                    |   |              |       |                   |
| Emissions of nitrogen oxides (if applicable)  | $NO_x(***)$               | -     | mg/kWh input GCV      | Rated brine or water flow rate, outdoor side heat exchanger                           | -            | -     | m <sup>3</sup> /h |
| GWP of the refrigerant  | 2088                      |       | kg CO2 eq (100 years) |   |              |       |                   |
| Contact details:<br>C/ Marqués de Sentmenat 97, 08029 Barcelona   |                           |       |                       | Name of manufacturer:<br>Eurofred S.A. 0  |              |       |                   |
| (*)<br>(**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.<br>(***) From 26 September 2018.<br>Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. |                           |       |                       |   |              |       |                   |



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