

|   |          |        |           |
|---|----------|--------|-----------|
| Model(s): EDLA16DAV3 / EKHWSU180D3V3  |          |        |           |
| Air-to-water heat pump: Yes   |          |        |           |
| Water-to-water heat pump: No  |          |        |           |
| Brine-to-water heat pump: No  |          |        |           |
| Low-temperature heat pump: No   |          |        |           |
| Equipped with a supplementary heater: No  |          |        |           |
| Heat pump combination heater: Yes   |          |        |           |
| Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application. |          |        |           |
| Parameters shall be declared for average, colder and warmer climate conditions.   |          |        |           |
| Item  | Symbol   | Value  | Unit      |
| Rated heat output <sup>(3)</sup>  | Prated   | 12.0   | kW        |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj  |          |        |           |
| Tj = - 7 °C   | Pdh      | 9.4    | kW        |
| Tj = + 2 °C   | Pdh      | 6.9    | kW        |
| Tj = + 7 °C   | Pdh      | 4.4    | kW        |
| Tj = + 12 °C  | Pdh      | 5.3    | kW        |
| Tj = bivalent temperature   | Pdh      | 10.1   | kW        |
| Tj = operation limit temperature  | Pdh      | 8.0    | kW        |
| For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)  | Pdh      |        | kW        |
| Bivalent temperature  | Tbiv     | -5     | °C        |
| Cycling interval capacity for heating   | Pcych    |        | kW        |
| Degradation co-efficient <sup>(4)</sup>   | Cdh      |        | —         |
| Power consumption in modes other than active mode   |          |        |           |
| Off mode  | POFF     | 0.023  | kW        |
| Thermostat-off mode   | PTO      | 0.023  | kW        |
| Standby mode  | PSB      | 0.023  | kW        |
| Crankcase heater mode   | PCK      | 0.000  | kW        |
| Other items   |          |        |           |
| Capacity control  | Variable |        |           |
| Sound power level, indoor/outdoor   | LWA      | / 62.0 | dB        |
| Annual energy consumption   | QHE      |        | kWh or GJ |
| For heat pump combination heater:   |          |        |           |
| Declared load profile   | L        |        |           |
| Daily electricity consumption   | Qelec    | 4.620  | kWh       |
| Annual electricity consumption  | AEC      | 976    | kWh       |
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|  |                  |               |        |
|--|------------------|---------------|--------|
| Item   | Symbol           | Value         | Unit   |
| Seasonal space heating energy efficiency   | ηs               | 130           | %      |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj |                  |               |        |
| Tj = - 7 °C  | COPd or PERd     | 1.95<br>78.0  | — or % |
| Tj = + 2 °C  | COPd or PERd     | 3.27<br>130.8 | — or % |
| Tj = + 7 °C  | COPd or PERd     | 4.93<br>197.2 | — or % |
| Tj = + 12 °C   | COPd or PERd     | 6.60<br>264.0 | — or % |
| Tj = bivalent temperature  | COPd or PERd     | 2.13<br>85.2  | — or % |
| Tj = operation limit temperature   | COPd or PERd     | 1.67<br>66.8  | — or % |
| For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)   | COPd or PERd     |               | — or % |
| For air-to-water heat pumps: Operation limit temperature   | TOL              | -10           | °C     |
| Cycling interval efficiency  | COPcyc or PERcyc |               | — or % |
| Heating water operating limit temperature  | WTOL             | 55            | °C     |
| Equipped with a supplementary heater:  |                  |               |        |
| Rated heat output <sup>(4)</sup>   | Psup             |               | kW     |
| Type of energy input   |                  |               |        |
|  |                  |               |        |
| For air-to-water heat pumps: Rated air flow rate, outdoors   | —                | 5,100         | m³/h   |
| For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger                                  | —                |               | m³/h   |

|                                 |       |     |     |
|---------------------------------|-------|-----|-----|
| Water heating energy efficiency | ηwh   | 105 | %   |
| Daily fuel consumption          | Qfuel |     | kWh |
| Annual fuel consumption         | AFC   |     | GJ  |

<sup>(3)</sup> ) For heat pump space heaters and heat pump combination heaters, the rated heat output 'Prated' is equal to the design load for heating 'Pdesignh', and the rated heat output of a supplementary heater 'Psup' is equal to the supplementary capacity for heating 'sup(Tj)'.  
<sup>(4)</sup> If 'Cdh' is not determined by measurement then the default degradation coefficient is 'Cdh' = 0.9.