

# Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

## PRODUCT FICHE

| Heat pump combination heater  |  | Indoor   | EDLA11DAV3 /<br>EKHWSU300D3V3 |
|---|--|--|-------------------------------|
|   |  | Tank   | EKHWSU300D3V3                 |
| Indoor unit sound power (*)   |  | [dB(A)]  |                               |
| Outdoor unit sound power (*)  |  | [dB(A)]  | 62.0                          |
| Water heating   | Declared load profile                            | -  | L                             |
|   | Energy efficiency class                          | -  | A                             |
| Space Heating   | Energy efficiency class 55°C (High temp. app.)   | -  | A++                           |
| Average climate (Design temperature = -10°C)  |  |  |                               |
| Water heating   | Water heating energy efficiency ( $\eta_{Wh}$ )  | [%]  | 109                           |
|   | Annual energy consumption                        | [kWh]  | 940                           |
| Space Heating   | $P_{rated}$ (declared heating capacity) @ -10°C  | [kW]   | 10.0                          |
|   | Seasonal space heating efficiency ( $\eta_{S}$ ) | [%]  | 130                           |
|   | Annual energy consumption                        | [kWh]  |                               |
| off peak operation function integrated in Heat pump   |  | Y/N  | false                         |
| Colder climate (Design temperature = -22°C)   |  |  |                               |
| Water heating   | Water heating energy efficiency ( $\eta_{Wh}$ )  | [%]  | 90                            |
|   | Annual electricity consumption (AEC)             | [kWh]  | 1.134                         |
| Space Heating   | $P_{rated}$ (declared heating capacity) @ -22°C  | [kW]   | 10.0                          |
|   | Seasonal space heating efficiency ( $\eta_{S}$ ) | [%]  | 117                           |
|   | Annual energy consumption                        | [kWh]  |                               |
| Warmer climate (Design temperature = 2°C)   |  |  |                               |
| Water heating   | Water heating energy efficiency ( $\eta_{Wh}$ )  | [%]  | 129                           |
|   | Annual electricity consumption (AEC)             | [kWh]  | 796                           |
| Space Heating   | $P_{rated}$ (declared heating capacity) @ 2°C    | [kW]   | 10.0                          |
|   | Seasonal space heating efficiency ( $\eta_{S}$ ) | [%]  | 165                           |
|   | Annual energy consumption                        | [kWh]  |                               |
| Ecodesign technical data  |  |  |                               |
| Product description   | Air-to-water heat pump                           | Y/N  | Yes                           |
|   | Water-to-water heat pump                         | Y/N  | No                            |
|   | Brine-to-water heat pump                         | Y/N  | No                            |
|   | Low-temperature heat pump                        | Y/N  | No                            |
|   | Equipped with a supplementary heater             | Y/N  | No                            |
|   | Heat pump combination heater                     | Y/N  | Yes                           |
| Air to water unit   | Rated airflow (outdoor)                          | [m <sup>3</sup> /h]                                      | 3,350                         |
| Brine/water to water unit   | Rated water/brine flow (outdoor H/E)             | [m <sup>3</sup> /h]                                      | 3                             |
| Other   | Capacity control                                 | -  | Inverter                      |
|   | $P_{off}$ (Power consumption Off mode)           | [kW]   | 0.023                         |
|   | $P_{to}$ (Power consumption Thermostat off mode) | [kW]   | 0.023                         |
|   | $P_{sb}$ (Power consumption Standby mode)        | [kW]   | 0.023                         |
|   | $P_{CK}$ (Power crankcase heater model)          | [kW]   | 0.000                         |
|   | $Q_{elec}$ (Daily electricity consumption)       | [kWh]  | 4.460                         |
|   | $Q_{fuel}$ (Daily fuel consumption)              | [kWh]  |                               |
| Part load conditions space heating average climate  |  |  |                               |
| (A) condition (-7°C)  |  | $P_{dh}$ (declared heating capacity)                     | [kW] 9.3                      |
|   |  | $COP_d$ (declared COP)                                   | - 1.90                        |
|   |  | $C_{dh}$ (degradation coefficient)                       | - 1.0                         |
| (B) condition (2°C)   |  | $P_{dh}$ (declared heating capacity)                     | [kW] 5.4                      |
|   |  | $COP_d$ (declared COP)                                   | - 3.25                        |
|   |  | $C_{dh}$ (degradation coefficient)                       | - 1.0                         |
| (C) condition (7°C)   |  | $P_{dh}$ (declared heating capacity)                     | [kW] 4.4                      |
|   |  | $COP_d$ (declared COP)                                   | - 4.81                        |
|   |  | $C_{dh}$ (degradation coefficient)                       | - 1.0                         |
| (D) (D) condition (12°C)  |  | $P_{dh}$ (declared heating capacity)                     | [kW] 5.3                      |
|   |  | $COP_d$ (declared COP)                                   | - 6.41                        |
|   |  | $C_{dh}$ (degradation coefficient)                       | - 1.0                         |
| (E) ToI (temperature operating limit)   |  | ToI (temperature operating limit)                        | [°C] -10                      |
|   |  | $P_{dh}$ (declared heating capacity)                     | [kW] 7.6                      |
|   |  | $COP_d$ (declared COP)                                   | - 1.64                        |
|   |  | WTOL (Heating water Operation Limit)                     | [°C] 55                       |
| (F) TbiValent temperature   |  | T <sub>blv</sub>   | [°C] -7                       |
|   |  | $P_{dh}$ (declared heating capacity)                     | [kW] 9.3                      |
|   |  | $COP_d$ (declared COP)                                   | - 1.90                        |
| Capacity of the back-up heater integrated in the unit   |  | $P_{sup}$ back-up heater (@T <sub>designh</sub> : -10°C) | [kW]                          |
| Supplementary capacity at P <sub>design</sub>   |  | $P_{sup}$ (@T <sub>designh</sub> : -10°C)                | [kW] 2.4                      |
| Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.<br>Energy labels and product fiches for additional combinations, packages and other products can be found on 'energylabel.daikin.eu'<br>(*) Sound power level in heating mode, measured according to the EN15036 for combustion boilers and EN 12102 for heat pumps under conditions of the EN ISO 3746, accuracy class 3<br>This data is for comparison of Energy efficiencies according to Regulation (EU) 2017/1369, for correct selection of products for your application, contact your dealer. |  |  |                               |

Depending on your application and the product selected an additional supplementary heater may have to be installed.