

# Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

## PRODUCT FICHE

| <b>Heat pump combination heater</b>                                                                                                                                                                                                                                                                        |                                                  | Outdoor             | ERLA11DAW1  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------|-------------|
|                                                                                                                                                                                                                                                                                                            |                                                  | Indoor              | EBBX11DF9W  |
|                                                                                                                                                                                                                                                                                                            |                                                  | Tank                | EKHS150D3V3 |
| Indoor unit sound power (*)                                                                                                                                                                                                                                                                                |                                                  | [dB(A)]             |             |
| Outdoor unit sound power (*)                                                                                                                                                                                                                                                                               |                                                  | [dB(A)]             |             |
| Water heating                                                                                                                                                                                                                                                                                              | Declared load profile                            | -                   | L           |
|                                                                                                                                                                                                                                                                                                            | Energy efficiency class                          | -                   | A           |
| Space Heating                                                                                                                                                                                                                                                                                              | Energy efficiency class 55°C (High temp. app.)   | -                   | A++         |
| <b>Average climate (Design temperature = -10°C)</b>                                                                                                                                                                                                                                                        |                                                  |                     |             |
| Water heating                                                                                                                                                                                                                                                                                              | Water heating energy efficiency ( $\eta_{Wh}$ )  | [%]                 | 87          |
|                                                                                                                                                                                                                                                                                                            | Annual energy consumption                        | [kWh]               | 1,184       |
| Space Heating                                                                                                                                                                                                                                                                                              | $P_{rated}$ (declared heating capacity) @ -10°C  | [kW]                | 10          |
|                                                                                                                                                                                                                                                                                                            | Seasonal space heating efficiency ( $\eta_{S}$ ) | [%]                 | 128         |
|                                                                                                                                                                                                                                                                                                            | Annual energy consumption                        | [kWh]               | 6,312       |
| <b>off peak operation function integrated in Heat pump</b>                                                                                                                                                                                                                                                 |                                                  |                     |             |
| <b>Colder climate (Design temperature = -22°C)</b>                                                                                                                                                                                                                                                         |                                                  |                     |             |
| Water heating                                                                                                                                                                                                                                                                                              | Water heating energy efficiency ( $\eta_{Wh}$ )  | [%]                 | 69          |
|                                                                                                                                                                                                                                                                                                            | Annual electricity consumption (AEC)             | [kWh]               | 1,491       |
| Space Heating                                                                                                                                                                                                                                                                                              | $P_{rated}$ (declared heating capacity) @ -22°C  | [kW]                | 10          |
|                                                                                                                                                                                                                                                                                                            | Seasonal space heating efficiency ( $\eta_{S}$ ) | [%]                 | 120         |
|                                                                                                                                                                                                                                                                                                            | Annual energy consumption                        | [kWh]               | 8,031       |
| <b>Warmer climate (Design temperature = 2°C)</b>                                                                                                                                                                                                                                                           |                                                  |                     |             |
| Water heating                                                                                                                                                                                                                                                                                              | Water heating energy efficiency ( $\eta_{Wh}$ )  | [%]                 | 100         |
|                                                                                                                                                                                                                                                                                                            | Annual electricity consumption (AEC)             | [kWh]               | 1,023       |
| Space Heating                                                                                                                                                                                                                                                                                              | $P_{rated}$ (declared heating capacity) @ 2°C    | [kW]                | 10          |
|                                                                                                                                                                                                                                                                                                            | Seasonal space heating efficiency ( $\eta_{S}$ ) | [%]                 | 166         |
|                                                                                                                                                                                                                                                                                                            | Annual energy consumption                        | [kWh]               | 3,157       |
| <b>Ecodesign technical data</b>                                                                                                                                                                                                                                                                            |                                                  |                     |             |
| 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                 | No          |
| 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] |             |
| Other                                                                                                                                                                                                                                                                                                      | Capacity control                                 | -                   | Inverter    |
|                                                                                                                                                                                                                                                                                                            | $P_{off}$ (Power consumption Off mode)           | [kW]                | 0.023       |
|                                                                                                                                                                                                                                                                                                            | $P_{t0}$ (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]               | 5.61        |
|                                                                                                                                                                                                                                                                                                            | $Q_{fuel}$ (Daily fuel consumption)              | [kWh]               |             |
| <b>Part load conditions space heating average climate</b>                                                                                                                                                                                                                                                  |                                                  |                     |             |
| <b>(A) condition (-7°C)</b>                                                                                                                                                                                                                                                                                |                                                  |                     |             |
|                                                                                                                                                                                                                                                                                                            | $P_{dh}$ (declared heating capacity)             | [kW]                | 7.9         |
|                                                                                                                                                                                                                                                                                                            | $COP_d$ (declared COP)                           | -                   | 1.89        |
|                                                                                                                                                                                                                                                                                                            | $C_{dh}$ (degradation coefficient)               | -                   | 1.0         |
| <b>(B) condition (2°C)</b>                                                                                                                                                                                                                                                                                 |                                                  |                     |             |
|                                                                                                                                                                                                                                                                                                            | $P_{dh}$ (declared heating capacity)             | [kW]                | 5.4         |
|                                                                                                                                                                                                                                                                                                            | $COP_d$ (declared COP)                           | -                   | 3.25        |
|                                                                                                                                                                                                                                                                                                            | $C_{dh}$ (degradation coefficient)               | -                   | 1.0         |
| <b>(C) condition (7°C)</b>                                                                                                                                                                                                                                                                                 |                                                  |                     |             |
|                                                                                                                                                                                                                                                                                                            | $P_{dh}$ (declared heating capacity)             | [kW]                | 4.4         |
|                                                                                                                                                                                                                                                                                                            | $COP_d$ (declared COP)                           | -                   | 4.81        |
|                                                                                                                                                                                                                                                                                                            | $C_{dh}$ (degradation coefficient)               | -                   | 1.0         |
| <b>(D) (D) condition (12°C)</b>                                                                                                                                                                                                                                                                            |                                                  |                     |             |
|                                                                                                                                                                                                                                                                                                            | $P_{dh}$ (declared heating capacity)             | [kW]                | 5.3         |
|                                                                                                                                                                                                                                                                                                            | $COP_d$ (declared COP)                           | -                   | 6.41        |
|                                                                                                                                                                                                                                                                                                            | $C_{dh}$ (degradation coefficient)               | -                   | 1.0         |
| <b>(E) Tol (temperature operating limit)</b>                                                                                                                                                                                                                                                               |                                                  |                     |             |
|                                                                                                                                                                                                                                                                                                            | Tol (temperature operating limit)                | [°C]                | -10         |
|                                                                                                                                                                                                                                                                                                            | $P_{dh}$ (declared heating capacity)             | [kW]                | 6.8         |
|                                                                                                                                                                                                                                                                                                            | $COP_d$ (declared COP)                           | -                   | 1.68        |
|                                                                                                                                                                                                                                                                                                            | <b>WTOL (Heating water Operation Limit)</b>      | [°C]                | 55          |
| <b>(F) Tbivalent temperature</b>                                                                                                                                                                                                                                                                           |                                                  |                     |             |
|                                                                                                                                                                                                                                                                                                            | $T_{blv}$                                        | [°C]                | -5          |
|                                                                                                                                                                                                                                                                                                            | $P_{dh}$ (declared heating capacity)             | [kW]                | 8.2         |
|                                                                                                                                                                                                                                                                                                            | $COP_d$ (declared COP)                           | -                   | 1.96        |
| Capacity of the back-up heater integrated in the unit                                                                                                                                                                                                                                                      | $P_{sup}$ back-up heater (@Tdesignh: -10°C)      | [kW]                | 9.0         |
| Supplementary capacity at P_design                                                                                                                                                                                                                                                                         | $P_{sup}$ (@Tdesignh: -10°C)                     | [kW]                | 3.2         |
| 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 <a href="http://energylabel.daikin.eu">energylabel.daikin.eu</a> |                                                  |                     |             |
| (*) 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                                                                                                                          |                                                  |                     |             |

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.