

Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

| Heat pump combination heater | | Indoor | EDLA04E2V3 / EKHWSU300D3V3 |
|--|---|--|-------------------------------|
| | | Tank | EKHWSU300D3V3 |
| Indoor unit sound power (*) | | [dB(A)] | |
| Outdoor unit sound power (*) | | [dB(A)] | 58.0 |
| Water heating | Declared load profile | - | XL |
| | 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 (η_{WH}) | [%] | 114 |
| | Annual energy consumption | [kWh] | 1.466 |
| Space Heating | P_{rated} (declared heating capacity) @ -10°C | [kW] | 6.0 |
| | Seasonal space heating efficiency (η_{SH}) | [%] | 127 |
| | Annual energy consumption | [kWh] | 3.806 |
| off peak operation function integrated in Heat pump | | Y/N | false |
| Colder climate (Design temperature = -22°C) | | | |
| Water heating | Water heating energy efficiency (η_{WH}) | [%] | 96 |
| | Annual electricity consumption (AEC) | [kWh] | 1.742 |
| Space Heating | P_{rated} (declared heating capacity) @ -22°C | [kW] | 5.0 |
| | Seasonal space heating efficiency (η_{SH}) | [%] | 107 |
| | Annual energy consumption | [kWh] | 4.468 |
| Warmer climate (Design temperature = 2°C) | | | |
| Water heating | Water heating energy efficiency (η_{WH}) | [%] | 133 |
| | Annual electricity consumption (AEC) | [kWh] | 1.256 |
| Space Heating | P_{rated} (declared heating capacity) @ 2°C | [kW] | 4.7 |
| | Seasonal space heating efficiency (η_{SH}) | [%] | 148 |
| | Annual energy consumption | [kWh] | 1.660 |
| 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 | No |
| Air to water unit | Rated airflow (outdoor) | [m ³ /h] | 2,280 |
| Brine/water to water unit | Rated water/brine flow (outdoor H/E) | [m ³ /h] | |
| Other | Capacity control | - | Inverter |
| | P_{off} (Power consumption Off mode) | [kW] | 0.010 |
| | P_{to} (Power consumption Thermostat off mode) | [kW] | 0.010 |
| | P_{sb} (Power consumption Standby mode) | [kW] | 0.010 |
| | P_{CK} (Power crankcase heater model) | [kW] | 0.000 |
| | Q_{elec} (Daily electricity consumption) | [kWh] | 6.870 |
| | Q_{fuel} (Daily fuel consumption) | [kWh] | |
| Part load conditions space heating average climate | | | |
| (A) condition (-7°C) | | P_{dh} (declared heating capacity) | [kW] 5.3 |
| | | COP_d (declared COP) | - 1.97 |
| | | C_{dh} (degradation coefficient) | - 1.0 |
| (B) condition (2°C) | | P_{dh} (declared heating capacity) | [kW] 3.3 |
| | | COP_d (declared COP) | - 3.23 |
| | | C_{dh} (degradation coefficient) | - 1.0 |
| (C) condition (7°C) | | P_{dh} (declared heating capacity) | [kW] 3.0 |
| | | COP_d (declared COP) | - 4.40 |
| | | C_{dh} (degradation coefficient) | - 1.0 |
| (D) (D) condition (12°C) | | P_{dh} (declared heating capacity) | [kW] 3.3 |
| | | COP_d (declared COP) | - 6.10 |
| | | C_{dh} (degradation coefficient) | - 1.0 |
| (E) ToI (temperature operating limit) | | ToI (temperature operating limit) | [°C] -10 |
| | | P_{dh} (declared heating capacity) | [kW] 3.99 |
| | | COP_d (declared COP) | - 1.37 |
| | | WTOL (Heating water Operation Limit) | [°C] 55 |
| (F) TbiValent temperature | | T _{blv} | [°C] -7 |
| | | P_{dh} (declared heating capacity) | [kW] 5.3 |
| | | COP_d (declared COP) | - 1.97 |
| Capacity of the back-up heater integrated in the unit | | P_{sup} back-up heater (@T _{designh} : -10°C) | [kW] |
| Supplementary capacity at P _{design} | | P_{sup} (@T _{designh} : -10°C) | [kW] 2.01 |
| <p>Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.</p> <p>Energy labels and product fiches for additional combinations, packages and other products can be found on 'energylabel.daikin.eu'</p> <p>(*) 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</p> <p>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.</p> | | | |

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