# Product Information

DAIKIN

**Energy labelling Regulation: (EU) 811/2013**

**Ecodesign Regulation: (EU) 813/2013**

PRODUCT FICHE

| **Heat pump combination heater** | | Outdoor | **EPRA16DAW17** |
|---|---|---|---|
| | | Indoor | **ETBX16EF9W7** |
| | | Tank | **EKHWS150D3V3** |
| **Indoor unit sound power (*)** | | [dB(A)] | 44.0 |
| **Outdoor unit sound power (*)** | | [dB(A)] | 54.0 |
| **Water heating** | **Declared load profile** | - | L |
| | **Energy efficiency class** | - | B |
| **Space Heating** | **Energy efficiency class 55°C (High temp. app.)** | - | A++ |
| **Average climate (Design temperature = –10°C)** | | | |
| **Water heating** | **Water heating energy efficiency ($\eta_{wh}$)** | [%] | 64 |
| | **Annual energy consumption** | [kWh] | 1,602 |
| **Space Heating** | **$P_{rated}$ (declared heating capacity) @ –10°C** | [kW] | 13 |
| | **Seasonal space heating efficiency (η ($\eta_s$)** | [%] | 142 |
| | **Annual energy consumption** | [kWh] | 7,122 |
| **off peak operation function integrated in Heat pump** | | Y/N | true |
| **Colder climate (Design temperature = –22°C)** | | | |
| **Water heating** | **Water heating energy efficiency ($\eta_{wh}$)** | [%] | 48 |
| | **Annual electricity consumption (AEC)** | [kWh] | 2,120 |
| **Space Heating** | **$P_{rated}$ (declared heating capacity) @ –22°C** | [kW] | 13 |
| | **Seasonal space heating efficiency (η ($\eta_s$)** | [%] | 126 |
| | **Annual energy consumption** | [kWh] | 9,589 |
| **Warmer climate (Design temperature = 2°C)** | | | |
| **Water heating** | **Water heating energy efficiency ($\eta_{wh}$)** | [%] | 75 |
| | **Annual electricity consumption (AEC)** | [kWh] | 1,364 |
| **Space Heating** | **$P_{rated}$ (declared heating capacity) @ 2°C** | [kW] | 14.1 |
| | **Seasonal space heating efficiency (η $_s$)** | [%] | 172 |
| | **Annual energy consumption** | [kWh] | 4,316 |
| **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)** | [$m^3/h$] | |
| **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] | 0.031 |
| | **$P_{to}$ (Power consumption Thermostat off mode)** | [kW] | 0.033 |
| | **$P_{sb}$ (Power consumption Standby mode)** | [kW] | 0.042 |
| | **$P_{CK}$ (Power crankcase heater model)** | [kW] | 0.000 |
| | **$Q_{elec}$ (Daily electricity consumption)** | [kWh] | 7.580 |
| | **$Q_{fuel}$ (Daily fuel consumption)** | [kWh] | |
| **Part load conditions space heating average climate** | | | |
| **(A) condition (-7°C)** | **$P_{dh}$ (declared heating capacity)** | [kW] | 11.1 |
| | **$COP_d$ (declared COP)** | - | 2.43 |
| | **Cdh (degradation coefficient)** | - | 1.0 |
| **B) condition (2°C)** | **$P_{dh}$ (declared heating capacity)** | [kW] | 6.7 |
| | **$COP_d$ (declared COP)** | - | 3.52 |
| | **Cdh (degradation coefficient)** | - | 1.0 |
| **(C) condition (7°C)** | **$P_{dh}$ (declared heating capacity)** | [kW] | 6.5 |
| | **$COP_d$ (declared COP)** | - | 4.54 |
| | **Cdh (degradation coefficient)** | - | 1.0 |
| **(D) (D) condition (12°C)** | **$P_{dh}$ (declared heating capacity)** | [kW] | 5.2 |
| | **$COP_d$ (declared COP)** | - | 5.97 |
| | **Cdh (degradation coefficient)** | - | 1.0 |
| **(E) Tol (temperature operating limit)** | **Tol (temperature operating limit)** | [°C] | -10 |
| | **$P_{dh}$ (declared heating capacity)** | [kW] | 12.5 |
| | **$COP_d$ (declared COP)** | - | 2.12 |
| | **WTOL (Heating water Operation Limit)** | [°C] | 55 |
| **(F) Tbivalent temperature** | **$T_{biv}$** | [°C] | -10 |
| | **$P_{dh}$ (declared heating capacity)** | [kW] | 12.5 |
| | **$COP_d$ (declared COP)** | - | 2.12 |
| **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] | 0.0 |

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
Energy labels and product fiches for additional combinations, packages and other products can be found on 'energylabel.daikin.eu'
(*) 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.