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CAPACITY: 12.0KW FICHE: **A+++**

AE120BXYDEGEU

Mono HT Quiet Outdoor

-  Température d'eau chaude élevée
-  Low noise
-  SmartThings Compatible

Available Capacity

8.0KW **12.0KW** 14.0KW

Available Power

1 Phase 3 Phases

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EHS Mono HT Quiet

Our high temperature, low noise heat pump

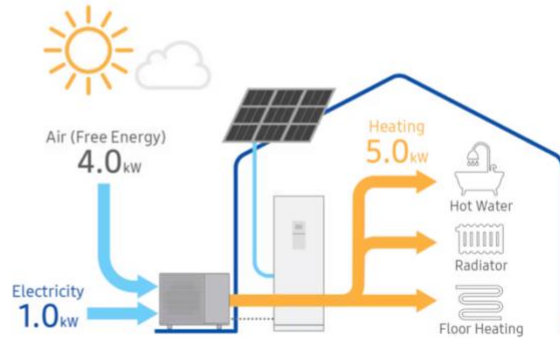
The EHS Mono HT Quiet, a high temperature, low noise heat pump ideal for the residential renovation market. It combines advanced features and new technologies to achieve high water temperatures and low noise levels. Additionally, the stylishly designed heat pump is capable reliably providing 100% heating performance* even in extremely cold weather (temperatures as low as -25°C^1). It is also easy to install and maintain.

* Efficiency ratio of heating output (capacity) versus power input (electricity). Internally tested under lab conditions based on EN 14511, results may vary depending on the actual usage conditions.

Efficient heating

The EHS Mono HT Quiet is a heat pump system that provides energy efficient heating (SCOP* of A+++)² and hot water for your home. To generate 5.0kW of energy, it consumes only about 1kW of electricity and collects the rest from the air³.

* SCOP = Seasonal Coefficient of Performance.



Premium design

The EHS Mono HT Quiet seamlessly blends into any building's exterior and comes in a dark grey color which complements the current design trend for modern building exteriors. The outdoor unit, approximately 1m in height, is fitted with a new horizontal black grille composition which screens its inner mechanics from sight.⁷



Hot water temperatures of up to 70°C

Many houses in Europe are using older radiators that require a hot water temperature of 65°C or higher to heat rooms effectively. Most regular heat pumps operate at temperatures between 55°C - 60°C . The new EHS Mono HT Quiet on the other hand, is able to consistently provide hot water of up to 70°C for domestic heating purposes⁴. This can make it a suitable replacement for gas boilers, as they provide a high leaving water temperature.

35 d(BA) quiet operation

Powered by innovative noise reducing technologies, the EHS Mono HT Quiet (Quiet Mark Certified) operates at noise levels as low as 35 d(BA)⁵, using a 4-step Quiet mode. The heat pump's outdoor unit features a double-layered, sound insulation system fitted with a patented Groove Grid Felt design⁶, which effectively blocks and absorbs noise produced by compression parts and vibrations.



Reliable heating performance at -25°C

This heat pump is capable of providing 100% heating performance^a even in extremely cold weather (temperatures as low as -25°C^b). Its enlarged heat exchanger transfers more heat at once, and a new Scroll Compressor compresses refrigerant at higher pressure, so it works reliably in cold temperatures.

Hassle-free installation and servicing

The outdoor unit of the EHS Mono HT Quiet is designed to be simple to install and maintain. The heat pump's internal parts are easily accessible via the side panel which can be removed easily by undoing three screws. This significantly saves time and effort during the installation and servicing process.



Features ⓘ

Type

MONO

Mode

Heat Pump (A2W)

Current Input ⓘ

Cooling (°C)

12.46 A

Heating (°C)

11.12 A

Energy Efficiency ⓘ

EER (Cooling) [W/W]

4.55

COP (Heating) [W/W]

5.11

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Capacity ⓘ

Cooling [kW]

12.00 kW

Heating [kW]

12.00 kW

Power ⓘ

MCA

32.0 A

MFA

35.2 A

Power Input ⓘ

Cooling 1)

2.64 kW

Heating 2)

2.35 kW

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Fan ⓘ

Type

Propeller Fan

Air Flow Rate (High / Mid / Low) [m3/min]

95 CMM

Refrigerant ⓘ

Type

R32(Contains fluorinated greenhouse gases, GWP=675)

Factory Charging (kg)

3.30 kg

Factory Charging (tCO2e)

2.23 tCO2e

Control Method

EEV INCLUDED

Sound ⓘ

Sound Pressure

46 dBA

Sound Power Level

59 dBA

Operating Temp. Range ⓘ

Cooling (°C)

10~46 °C

Heating (°C)

-30~43 °C

Domestic Hot Water (°C)

-30~43 °C

Leaving Water Temperature ⓘ

Heating (°C)

15~70 °C

Cooling (°C)

5~25 °C

External Dimension (Outdoor Unit) ⓘ

Net Weight (kg)

137 kg

Net Dimensions (WxHxD) (mm)

1270 x 1018 x 530 mm

Smart ⓘ

WiFi Embedded

N/A

Bluetooth

N/A

WiFi Kit

N/A

Screenshot