

**NEW
VERSION**



ETHERMA FIRE+ICE

The innovative single room heat pump with cooling option

The FIRE+ICE single room heat pump with cooling option is an innovative monoblock air heat pump with no external unit. It is perfect for rooms up to 35 m² in size (such as living rooms or bedrooms) and is the optimal decentralised solution for individual residential units – either for older buildings or for easy, rapid apartment renovations. Regardless of whether you are a private apartment owner or a housing cooperative – with any number of apartments – who wants to break the dependence on oil, gas or a night storage heater.

How it works: The device draws in the outside air and extracts the heat from it. In the next step, this is fed into the room air, and the cool outside air is directed back into the open air again – all of this in two completely separate air circuits. When outdoor temperatures are cooler, the integrated additional heating element is activated automatically as required. At the same time, FIRE+ICE is a fully-fledged air conditioning unit, making it perfect for year-round use.

Installation: FIRE+ICE can be easily installed on the inside of any vertical external wall with an even surface: Two core holes for supply and exhaust air (200 mm respectively) as well as a hole for condensation water (20 mm) – and that's it! Unattractive, bulky outdoor units, a familiar sight with conventional heat pumps or air conditioning units, are therefore a thing of the past. Installation can be carried out by an electrician or plumber, for example.

BENEFITS OF THIS PRODUCT

- + Monoblock air heat pump with no external unit, for rooms up to 35 m²
- + Heating and air conditioning unit all in one
- + The perfect decentralised heating solution for the renovation of individual apartments (private or housing association)
- + Simple installation on the inside of external walls, no refrigeration technician required
- + Protection against cold bridges thanks to insulated wall duct
- + Flexible control using the touch-screen display on the device or remote control



TECHNICAL DETAILS

- > Voltage: 230 V
- > Fuse rating (inert): 16 A
- > Max. connected load
without/with additional electric heater: 1.06/2.86 kW
- > Additional heating output: 1.8 kW
- > Max. heat output **at 7°C outdoor temperature**
without/with additional electric heater: 3.05/4.85 kW
- > Max. heat output **at 2°C outdoor temperature**
without/with additional electric heater: 2.51/4.31 kW
- > Max. heat output **at -7°C outdoor temperature**
without/with additional electric heater: 1.60/3.40 kW
- > Max. cooling output at 35/27°C: 3.10 kW
- > COP at 7°C (Coefficient of Performance): 3.28
- > EER (Energy Efficiency Ratio): 3.25
- > Sound pressure level indoor
(according to ISO 7779): 27.0-41.0 dB(A)
- > Sound pressure level max. fan speed: up to 63 dB(A)
- > Refrigerant: R32 (0.5 kg)
- > Air hole diameter
external wall (2x): 200 mm
- > Condensation line diameter
external wall (1x): 20 mm
- > Weight: 41 kg
- > Plug connection cable: 1.7 m
- > IP rating: IPX0
- > Energy efficiency class - heating: A
- > Energy efficiency class - cooling: A+

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fireice.etherma.com



remote control



external covers

ETHERMA FIRE+ICE single room heat pump with cooling option, 230 V

(The scope of delivery includes all necessary parts for installation including drilling template, external covers, insulated wall duct and mounting rail as well as remote control incl. battery.)

Type	Art. no.	Width (mm)	Height (mm)	Depth (mm)
ET-HP-FIRE+ICE2-5-W	48001	1010	549	165

Accessories

Type	Art. no.	Description
ET-HP-FIRE+ICE-AP-WCU	48087	External room thermostat for controlling up to 16 devices. Wired version, mounting on flush-mounted box 503 PU: 1 pc (Fig. 1)
ET-HP-FIRE+ICE-AP-ISOPIPE-160	48094	Insulated wall duct for core drilling of 200 mm, additionally required for wall thicker than 50 cm, material EPS, length 1 m PU: 1 piece (Fig. 2)
ET-HP-FIRE+ICE-AP-CLS	48099	Cover for the underside of the appliance, as a privacy screen for higher installation, PU: 1 piece (without illustration)



AS OF AUTUMN 2024



ETHERMA HINT:

In addition to the FIRE+ICE single room heat pump with cooling option, the ETHERMA overall concept for homes up to 150 m² also includes infrared panels for walls and ceilings as well as electric underfloor heating for small and temporarily used rooms or rooms without external walls. ETHERMA also offers the right solution for central and decentralized hot water preparation with the ETHERMA AQUA product line. We will be happy to inform you!



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