

Maas Wärmepumpe

Our extensive **Maas Wärmepumpe** range of Residential Air-source Heat pumps, combined with our **Maas HVAC** range of fan-coils has something to suit every residential application from the small bungalow to a barn conversion to a Chateau.

We build units specific to your application at no cost penalty as our units are made to order since we have such a large range (over 600 units).

Our DIY Kits are delivered direct to your site anywhere in Europe, and come with full support in English, so you get the answers you need when you need them.

Our **Maas Wärmepumpe** range of heat pumps are specified, designed and manufactured specific to your application, so you get the peace of mind of knowing your system is a fully compatible system.

Our air-source heat pumps are available in air-air using refrigerant (multi-split), air-water-air using fan-coils or air-water using under-floor, fan-coils or radiators.

Our air-source units work in low ambient temperatures down to -7°C, -15°C or -20°C, depending on the model.

Multi-split **Maas Wärmepumpe** Air Conditioning

We manufacture multi-split heating & cooling systems for quick installation of full heating and cooling. These systems use our high-efficiency R410a heat pumps with wall-mounted internal units each with remote control to control each room's individual temperature.

They are available with either two or three indoor units per outdoor unit and the indoor units are available in 2.6kW or 3.6kW outputs. Three 2.6kW units can be used per outdoor unit but the 3.6kW units are only available as two units per outdoor unit. These units will work in the temperature range of -15°C to +43°C.

They are quick and easy to install and even suitable for DIY fitting. Connecting pipes can be ordered to customers exact requirements.



Maas Wärmepumpe DC Inverter

These units are available in outputs of 7kW, 11kW, 14kW & 20kW, providing 60°C heating system temperature and work in low ambient temperatures as low as -15°C.

These systems are ideal in renovation projects for directly replacing an oil or gas boiler. In new build projects they are far easier to install than oil or gas boilers since there is no flue required, no fuel delivery or storage, and no hot outside dangers or fire risks.



They are extremely easy to install, simply put the indoor unit in your existing boiler locations and locate the outdoor unit anywhere outside a nearby external wall. Connecting refrigeration pipes can be provided to the required lengths. The indoor unit simply comes with the heat exchanger, the heating system's circulating pump and the electronic controller, all already built-in. These units are all available in standard 230V/1Ph/50Hz, with low starting and running loads, so are suitable for most replacement boiler situations and all new builds.

Multi-split **Maas Wärmepumpe** Air Conditioning & hot water

These units are ideal for gites, bed-sits or apartments. They heat domestic hot water to 60°C perform 5kW of space heating and cooling and will work in low ambient temperatures down to -15°C.



Activation of the system can be controlled from a main building or reception area giving over control of the temperature to the remote control unit within the space, so the occupant can decide what temperature they want. Available with stainless steel high-pressure tank volumes from 100L to 300L. These units can also be used in conjunction with our Multi-split Air Conditioning units to provide total house space and domestic hot water heating. Similar units are available purely for domestic hot water heating.

The hot water cylinder and the fan-coil are connected to the external unit with refrigeration pipes, which are supplied to the required lengths making this system extremely quick and easy to install.

Maas Wärmepumpe Air Ducted Water Heater All-In-One

These units are more than just a hot water tank. They have a built-in heat pump, and can perform multiple tasks while heating domestic hot water to 60°C. The cylinder itself is stainless steel available in sizes from 100L to 300L.

1. Besides the kitchen/Utility, the unit can be installed in a room heated by a fireplace or other location with an abundance of waste heat, ensuring high efficiency, even when it is cold in winter.
2. Dehumidification and hot
3. water. The unit can be placed in the laundry room. Besides producing hot water for the house and laundry, it can also dehumidify and cool the room air, especially important in warm and humid weather conditions.
4. For the house water and cooling storage. The unit can be set into (or its cool exhaust air directed to) a storage space for fruits, vegetables, and wine, assisting in keeping goods fresh for a longer time.
5. For house water and venting fresh air. The unit can be set into (or its cool exhaust air directed to) a garage, home gymnasium, or playroom, assisting in keeping the space cool. In cold weather the cool exhaust can be directed outside by use of seasonably adjusted dampers.
6. These units have a 1-2kW auxiliary Electric heater
7. ABS upper cover and stainless steel 304 Water tank.
8. Weekly high temperature heating & Magnesium anode inside for anti-erode protection.
9. Extra Solar coil is fitted inside the tank to allow connection of solar panels or auxiliary heat-source.



Nordic Geothermal

Manufacturers of

Maas Wärmepumpe & **Maas HVAC** equipment

UK: Burnside Stables, Childswickam,
nr. Broadway, Worcs., WR12 7HZ
Tel: 0843-532-1304 (only 5p/min from any UK landline)
& 0560-301-4693 (local call rate nationwide)

France: 13 rue des Lilas, Jumilhac le Grand
Dordogne, France, 24630
Tel: 05.53.62.33.32 & 06.69.48.95.99

Internet: Web: www.nordic-geothermal.com
E-mail: info@nordic-geothermal.com

Maas Wärmepumpe

Air-source Residential Solutions

Our extensive **Maas Wärmepumpe** range of Residential Air-source Heat pumps, combined with our **Maas HVAC** range of fan-coils has something to suit every residential application from the small bungalow to a barn conversion to a Chateau.

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Our **Maas Wärmepumpe** SWBC range of heat pumps are specified, designed to directly replace your oil or gas boiler with easy DIY-type installation.



Some of these units even have the circulation pumps built-in so it's a simple matter of disconnecting your existing boiler and connecting this heat pump to your radiators which will still be fed with water at 60°C. You just don't need to buy oil or gas or store any fuel. These heat pumps will also happily work in low ambient temperatures down to -15°C. Most replacements are less than 3-4 hours work for a plumber.

Multi-split **Maas Wärmepumpe** Air Conditioning
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They are available with either two or three indoor units per outdoor unit and the indoor units are available in 2.6kW or 3.6kW outputs. Three 2.6kW units can be used per outdoor unit but the 3.6kW units are only available as two units per outdoor unit. These units will also work in the temperature range of -15°C to +43°C.



Maas Wärmepumpe DC Inverter

These units are available in outputs of 7kW, 11kW, 14kW & 20kW, providing 60°C heating system temperature and work in low ambient temperatures as low as -15°C.

These systems are ideal in renovation projects for directly replacing an oil or gas boiler.



In new build projects they are far easier to install than oil or gas boilers since there is no flue required, no fuel delivery or storage, and no hot outside dangers or fire risks.

They are extremely easy to install, simply put the indoor unit in your existing boiler locations and locate the outdoor unit anywhere outside a nearby external wall.

Connecting refrigeration pipes can be provided to the required lengths. The indoor unit simply comes with the heat exchanger, the heating system's circulating pump and the electronic controller, all already built-in. These units are all available in standard 230V/1Ph/50Hz, with low starting and running loads, so are suitable for most replacement boiler situations and all new builds.

Low Ambient Air Temperature Heat Pump

Model: **Maas Wärmepumpe** NGLAT

Heating capacities:
8/13/23/30/36/46 in smaller case sizes
And 60/120 & 180kW in larger case sizes.



These units can be connected to form much larger output systems.

Special economizer scroll compressor.

Temperature compensation.
Low noise levels
Ease of Installation

High COP in very low temperatures.
COP can reach 2.3 in -15°C ambient temperature.

Lowest operating temp: -20°C
Heating system max: 45°C
Heat recovery hot water: 60°C



Maas Wärmepumpe Air Ducted Water Heater All-In-One

These units are more than just a hot water tank. They have a built-in heat pump, and can perform multiple tasks while heating domestic hot water to 60°C. The cylinder itself is stainless steel available in sizes from 100L to 300L.



1. Superheater. Besides the kitchen, the unit can be installed in a room heated by a fireplace or other location with an abundance of waste heat, ensuring high efficiency, even when it is cold in winter.
2. Hot water and dehumidification. The unit can be placed in the laundry room. Besides producing hot water for the house and laundry, it can also dehumidify and cool the room air, especially important where warm, humid weather predominates.
3. For the house water and cooling storage. The unit can be set into (or its cool exhaust air directed to) a storage space for fruits, vegetables, and wine, assisting in keeping goods fresh for a longer time.
4. For house water and venting fresh air. The unit can be set into (or its cool exhaust air directed to) a garage, home gymnasium, or playroom, assisting in keeping the space cool. In cold weather the cool exhaust can be directed outside by use of seasonably adjusted dampers.
5. These units have a 1-2kW auxiliary Electric heater
6. ABS upper cover and stainless steel 304 Water tank.
7. Weekly high temperature antiseptics and Magnesium stick inside for anti-erode protection.
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