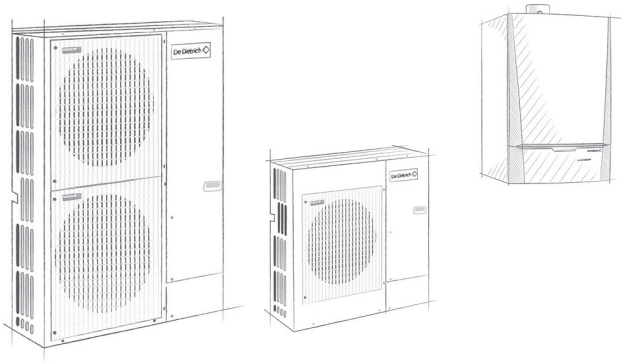
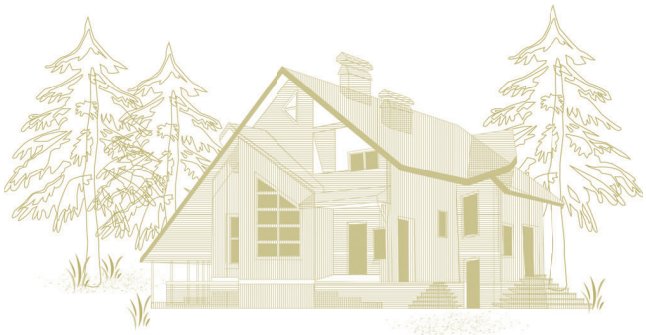
SOLAR
SOLID FUEL
HEAT PUMPS
CONDENSING OIL/GAS

HP Inverter Evolution

AIR SOURCE HEAT PUMPS

ADVANCE





Performance in the air

>> Environmental friendliness and energy savings

>> Maximum domestic hot water comfort

>> Compatible with renewable energies

<< www.dedietrich-heating.com >>

De Dietrich
Sustainable Comfort®

INNOVATIVE, ENVIRONMENTALLY FRIENDLY TECHNOLOGY

Energy savings of up to 70%!

- Optimal use of the outside air with a COP of 4.3 thanks to the Inverter module

- Low electricity consumption with A-class modulating circulating pump

Low noise level

- Only 36 dBA thanks to the modulating compressor and fan

Multi-energy solution

- Solution suitable for a new or existing installation
- Can be combined with a solar system or a boiler

HP Inverter Evolution

A function for each season

- Reversible system that provides heating, cooling or air conditioning
- Operation down to -20°C outdoors

Easy to install

- No collection area needed
- Compact size of the indoor module (90x60x50cm)

High performance control system

- Diematic iSystem for accurate, intuitive programming
- Management of several heating and hot water circuits

THE AIR, A YEAR ROUND SOURCE OF COMFORT

With the HP Inverter Evolution heat pump system, make the most of an inexhaustible, natural and environmentally friendly energy source!

HIGH PERFORMANCE FOR YOUR HOME

Energy savings

The air is a renewable and environmentally friendly energy source. The heat pump extracts calories found in the air, even in winter. It gives them back to you to heat your home in winter or cool it down in summer. Thus saving up to 70% on energy.

An intelligent solution

HP Inverter Evolution heat pumps are fitted with a Diematic iSystem control system to control your heating to the degree. This system is intuitive and offers you various options to optimise your comfort while making savings.

Easy to install

Air source (air/water principle) is a solution that is easy to implement as it does not need a collection area. Ideal for smaller surface areas, it can be installed in a new or old house.

Protect the environment

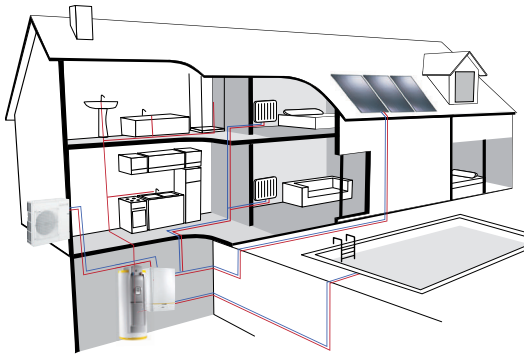
Using energy from the air to heat your home means making the choice to protect the environment. Not using fossil fuels helps to significantly reduce greenhouse gas emissions, a plus for the planet!

Multi-energy systems: even more savings

In renovation and new build alike, you can combine your heat pump with other energy sources, solar, gas or oil, thanks to the Diematic iSystem control system.

For example, by combining HP Inverter Evolution with a Dietrisol TRIO solar water heater, you can make energy savings of up to 75%* on your heating and hot water bill.

* Saving made compared with an 18 to 20 year old oil-fired boiler with no control system or programming.



ADVANCE: DEMAND THE BEST FOR YOURSELF AND THE PLANET

1 High performance for comfort and savings

HP Inverter Evolution stands out because of its high performance, with a **COP of up to 4.3**. For 1kWh of electricity consumed, you get 4.3kWh absolutely free.

You make **energy savings of up to 70%***

- The Inverter system, which adjusts output according to needs, allows you to make 30% more energy savings compared with a conventional heat pump.
- HP Inverter Evolution offers a broad range of outputs from 4 to 27kW and **operates down to -20°C outdoors** (except 4-6 and 8 MR, down to -15°C).
- Guaranteed comfort summer and winter alike thanks to the **reversible models, which cool down or air condition** your home in summer.

* Compared with an 18 to 20 year old oil-fired boiler with no programming

ADVANTAGE
energy savings of up to 70%

2 Domestic hot water comfort guaranteed

Thanks to the Diematic iSystem control system, HP Inverter Evolution can manage a domestic hot water production circuit. With **tanks of 150 to 500 litres**, the heat pump guarantees maximum domestic hot water comfort.

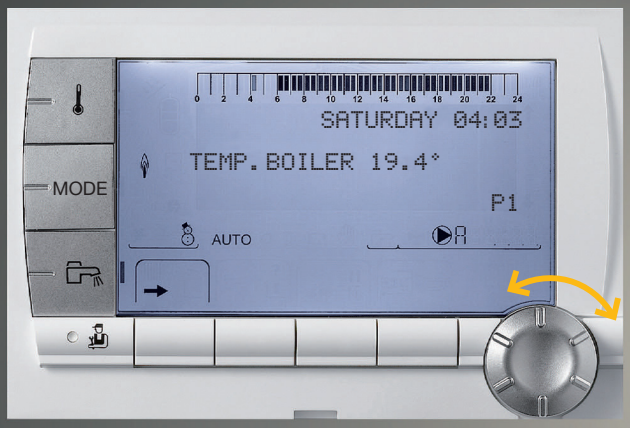
- In addition, you get **70% of your domestic hot water free** with this system.
- The hot water tanks that come with HP Inverter Evolution provide constant comfort over time thanks to **fast tank heating**, 3 times faster than an electric water heater.

ADVANTAGE
150- to 500-litre hot water tank

3 Diematic iSystem control system: freedom at your fingertips

The result of advanced research by De Dietrich, Diematic iSystem is the new control system found at the heart of the installation. Designed to control everything, it is at once:

- INNOVATIVE: High-tech design with new extra-wide LCD screen, rotary button.
- INTUITIVE: Easy browsing and readout thanks to the plain text commands and the embedded instructions summary.
- INTELLIGENT: Extended functionalities and options. Management of several heating (radiators, underfloor heating, swimming pool, etc.) and domestic hot water circuits.
- INTERACTIVE: Very easy to use wireless remote control. Off-site control with Telcom 2 and openings to the world of home automation.



>> YOUR HEATING PROJECT

DECIDE YOUR NEEDS

This information is given as a rough guide for typical housing units. It is imperative that you refer to the recommendations of your installer / heating specialist who will suggest the most suitable solution for your project.

Protect the planet, now you can choose with HP Inverter Evolution

4

Choosing to install HP Inverter Evolution means choosing to **do away with fossil fuel consumption** and significantly lowering your home's CO_2 emissions.

- **As part of an LEH (Low Energy House) approach, HP Inverter Evolution is one of the best options** as it considerably lowers energy consumption.
- A new house in Tours equipped with an HP Inverter Evolution, with 20 cm thick wall insulation, double glazing and radiators will consume **44kWh/m² a year**. It will therefore be an LEH!

ADVANTAGE
LEH friendly

Seamless integration

5

The HP Inverter Evolution heat pump is very easy to install in your home, whether it's an older building or under construction.

- The air source principle does **not need a collection area on the ground**, the outdoor module fits in anywhere with its compact size.
- Visually discreet and practically noise-free with **silent running** at only 36 dBA.
- The indoor module, which is no bigger than a wall-hung boiler, can be installed in the smallest of spaces.
- The split system prevents any risk of the outdoor pipes freezing.

ADVANTAGE
a solution that fits in anywhere

		South					North				
		New		Renovation			New		Renovation		
Heating only	**Heating + Hot water**	surface area < 120 m²	surface area > 120 m²	surface area < 120 m²	surface area > 120 m²	surface area > 200 m²	surface area < 120 m²	surface area > 120 m²	surface area < 120 m²	surface area > 120 m²	surface area > 200 m²
HP Inverter Evolution 4-6	150 or 200 litres	●					●				
HP Inverter Evolution 8	150 or 200 litres	●	●	●			●				
HP Inverter Evolution 11	150, 200 or 300 litres		●	●	●		●	●	●		
HP Inverter Evolution 16	200 or 300 litres				●					●	
HP Inverter Evolution 22	300, 400 or 500 litres					●					●
HP Inverter Evolution 27	300, 400 or 500 litres					●					●

	HPI-2 4 MR	HPI-2 6 MR	HPI-2 8 MR	HPI-2 11 TR/MR	HPI-2 16 TR/MR	HPI-2 22 TR	HPI-2 27 TR
	Air/Water	Air/Water	Air/Water	Air/Water	Air/Water	Air/Water	Air/Water
Technical specifications							
Heating output	3.7 kW	5.9 kW	8.3 kW	10.6 kW	14.2 kW	19.4 kW	24.4 kW
COP*	4.15	4.18	4.27	4.2	4.15	3.9	3.9
Cooling fluid	R 410 A	R 410 A	R 410 A	R 410 A	R 410 A	R 410 A	R 410 A
Minimum outside operating temperature	- 15° C	- 15° C	- 15° C	- 20° C	- 20° C	- 20° C	- 20° C
Electrical power supply	single phase	single phase	single phase	three phase / single phase	three phase / single phase	three phase	three phase
Functions							
Electrical back-up	HP Inverter-2/ EM	HP Inverter-2/ EM	HP Inverter-2/ EM	HP Inverter-2/ EM or ET	HP Inverter-2/ EM or ET	HP Inverter-2/ ET	HP Inverter-2/ ET
With no back-up or with boiler	H	H	H	H	H	H	H
Cooling (reversible)	•	•	•	•	•	•	•
Domestic Hot Water production by electric or electro-solar water heater or by independent calorifier type BP from 150 to 500 L or BEPC 300	•	•	•	•	•	•	•
Control system							
Diematic iSystem	•	•	•	•	•	•	•

* Outside air T° +7°C / Water output T° +35°C

Dimensions and weight: H = Height, W = Width, D = Depth

H 600 mm
W 887 mm
D 365 mm
42 kg

HP Inverter-2 4-6 MR

H 943 mm
W 950 mm
D 370 mm
75 kg

HP Inverter-2 8 MR

H 1350 mm
W 950 mm
D 370 mm
118 to 130 kg

HP Inverter-2 11 to 16 TR/MR

H 1350 mm
W 950 mm
D 417 mm
130 kg

HP Inverter-2 22 to 27 TR

H 900 mm
W 600 mm
D 500 mm
72 kg

MIT/IN

A MARK OF EXCELLENCE

For 300 years, success, to De Dietrich, has meant making demands based on real values: quality, reliability, sustainability. For the sake of the environment and for your comfort, De Dietrich now has a comprehensive understanding of the various renewable energies, thanks to multi-energy systems which protect the planet.
Therefore, heating appliances which bear the De Dietrich name are at the cutting edge of innovation and have the advantage of optimal quality and rare longevity thanks to the commitment of each and every employee.

De Dietrich: choosing Sustainable Comfort®

Your installer:

De Dietrich
Sustainable Comfort®

De Dietrich Thermique
PLC with corporate capital of € 22,487,610
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Vaillant & Obringer