



# RELIABLE PERFORMANCE IN COLD CLIMATES





## HEATING, COOLING AND HOT WATER

The Thermia iTec E is an excellent choice for single-family homes.

This air source heat pump combines easy installation and hassle-free operation to provide heating, cooling and hot water more economically than fossil fuel-based systems.

A heat pump is a very good source of energy. In 2009, the EU labelled\* heat pumps as a renewable source of energy and, when properly designed and installed, heat pumps are among the best renewable energy systems available.

## PROVEN & RELIABLE

The Thermia iTec E is a range of air source heat pumps designed to suit a variety of individual needs, prevent unnecessary energy consumption and deliver excellent performance.

- **Versatile energy supply from 1 to 16 kW for heating**
- **Plenty of domestic hot water (245-261 litres)**
- **Operates at temperatures as low as -25°C**

This inverter-driven air source heat pump has been designed to provide optimum performance across all climate zones in Europe. It meets the need for heating, cooling and hot water in one solution - from the high performing exterior air source unit to the discreet interior control cabinet.



# CLEAN, COMFORTABLE & RELIABLE

Air source heat pumps are a good choice for the future as they use renewable energy instead of energy from fossil fuels. And, as they are cheaper to run than systems based on fossil fuels, they will also save you money.

Furthermore, at the heart of the Thermia iTec E is the intelligent Thermia controller. This uses an algorithm to ensure the lowest possible running costs while maintaining your desired indoor temperature. It reduces the number of thermostats needed and eliminates the requirement for pumps, valves, zone valves or time clocks.

**HEATING,  
COOLING  
& HOT WATER**

**QUIET  
& DISCREET**

**EASY  
INSTALLATION  
PLUG & PLAY**

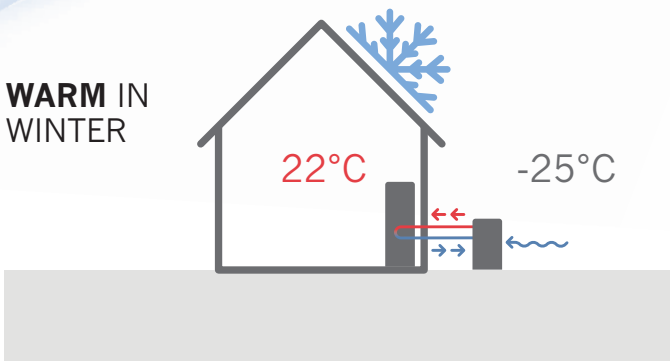




## OUT OF THIN AIR

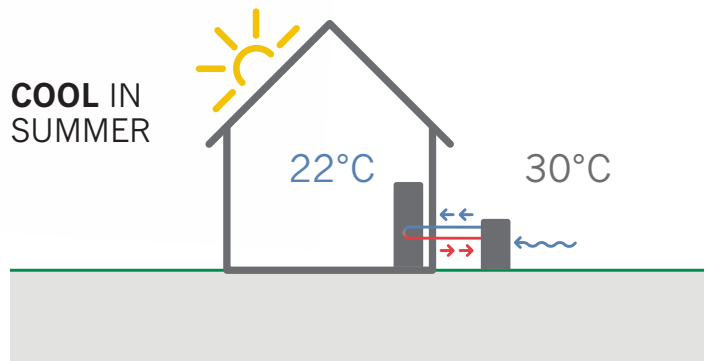
An air source heat pump operates on a simple principle: it transfers energy from the ambient air to the water in your heating system via a refrigeration process. The energy stored in the air is simply extracted and can be used for heating, cooling and producing hot water. In this way, nature provides us with perfect indoor comfort in a highly economical way.

### WARM IN WINTER



The Thermia iTec E concentrates low-grade heat from the atmosphere to raise the temperature. The heat is then transferred to your home's energy distribution system – usually radiators, hydronic floor heating or fan coils. It is also used to heat your domestic hot water.

### COOL IN SUMMER



In summer, the process is reversed. Heat is collected from your home and removed, using a similar technology to your refrigerator.



## MORE HOT WATER. FASTER

The Thermia iTec E includes a 180-litre unvented hot water tank with Tap Water Stratification (TWS) technology. This is a Thermia technology that provides hot water, at high temperatures, extremely fast. It also reduces the cost of hot water and improves the heat pump's seasonal performance.





## TAILOR-MADE SOLUTIONS

The Thermia iTec E range can be combined with many different types of heat emitters, such as floor heating, radiators or fan coils. It safely meets the requirements of both low and high-temperature applications and is ideally suited to both renovations and new-builds – including those where limited space or building conditions make it difficult to install a geo-thermal heat pump.

Thanks to its excellent acoustic performance, the outdoor unit can also be placed wherever it is most convenient without worrying about noise affecting your neighbours.

### HEAT YOUR SWIMMING POOL

The Thermia iTec E can also be used to heat your pool, all year round. In this way, you can enjoy your pool in all seasons while also reducing the cost of heating it.

### CONTROL YOUR HEAT PUMP FROM ANYWHERE

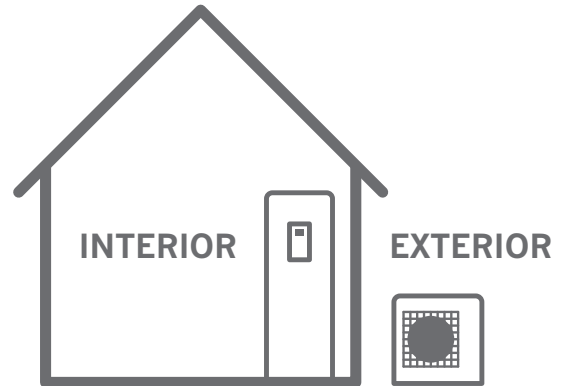
Using your smartphone, computer or tablet, you can monitor and control your heat pump from anywhere. The optional accessory Thermia Online and the 'Thermia Online' app lets you check system performance, regulate the temperature or receive an alert if anything unexpected happens.

Thermia Online also allows your installer to check diagnostics data to respond promptly to notifications or access a live feed on system performance.

The Thermia Online app is available for both Android and iPhone.

## 1-2-3 GO!

The Thermia iTec E is a truly versatile system. In consultation with your Thermia installer, you can choose the right exterior unit and the most suitable interior unit to best suit your specific heating, cooling and domestic hot water needs.



### Energy class according to Eco-Design Directive 811/2013:

System:

Product:



## EXTERIOR

### Thermia iTec E

	5	8	12	16
Available outputs	1,1-5 kW	1,7-8 kW	3,4-12 kW	3,4-16 kW
SCOP** According to EN 14825, for underfloor heating in an average climate	4,46	4,45	4,69	4,48
Hot water performance in Comfort mode Volume 40°C hot water (litres)***	261	248	249	245
Sound pressure level dB(A) 4m distance, nominal operation A7W35	44	46	47	49

## INTERIOR

### Thermia iTec E

	Standard	Plus	Compact	Total	EQ
Intelligent controller	•	•	•	•	•
Hot water tank 180 l			•	•	•
Optimum controlled Class A circulation pump		•	•	•	•
Immersion heater		•	•	•	•
Three way valve for heating or hot water production		•	•	•	•
Space inside the unit for expansion vessel and/or hydraulic connections				•	
Extra 60 litres volume tank, 12 litres expansion vessel and additional circulation pump					•

\* Directive - 2009/28 (Renewable Energy Directive)

\*\* SCOP (Seasonal Coefficient of Performance) is a measurement that shows how effective a heat pump is on an annual basis, averaged across all seasonal weather conditions.

\*\*\* Super Economy mode



# THERMIA. PASSION FOR INNOVATION SINCE 1923.



## PIONEERING HEAT PUMPS

For more than 50 years, we have dedicated all our resources and knowledge to developing and endlessly refining one product: the heat pump. Our focus on geothermal energy has led to world-leading knowledge in heat pump technology.



## ENGINEERED WITH PASSION

Developing the best possible, highest performing, heat pumps can only be achieved with passionate, dedicated and uncompromising experts. Some of Europe's most highly qualified engineers can be found in our own R&D centre.



## INSTALLED BY EXPERTS

Expert planning and installation are critical to the effectiveness of your system and all Thermia heat pumps are installed by a Thermia heat pump expert, who will not only ensure the best possible result, but also be on hand to help post installation.

Thermia AB reserves the right to make changes without further notice. January 2026.  
Photo on the left: 1973 - JBC was the first heat pump to combine a ground source heat pump, hot water tank, controls and auxiliary heating all in one unit.  
Photo on the right: 2025 - the Thermia Calibra, a ground source heat pump with 184 litre hot water tank, advance controller, colour touchscreen display and auxiliary heating