



# **A POWERFUL HEAT PUMP WITH A NATURAL REFRIGERANT**

**FOR HEATING, COOLING  
AND HOT WATER**



## NATURAL, POWERFUL, RESPONSIBLE

Choosing an air source heat pump for your home is a good move to start with. Choosing the Thermia iTec XTR is an even better move. The iTec XTR uses the natural refrigerant R290 which has a GWP\* (Global Warming Potential) of just 0,02. This is a very low figure and underlines why the iTec XTR is such a good and informed choice.

In terms of performance, the Thermia iTec XTR still delivers everything you would expect from an air source heat pump: excellent heating and cooling, plenty of hot water, hassle-free operation and, compared to systems which run on fossil fuels, lower energy usage and running costs for many years to come.



# YOUR BEST FRIEND ON COLD OR HOT DAYS

The Thermia iTec XTR is an air source heat pump that provides maximum performance and functionality across all climate zones in Europe, all year round, keeping you warm in winter and cool in summer:

- › Natural refrigerant
- › Low GWP
- › Works at temperatures as low as -25°C
- › Powerful cooling as standard
- › Plenty of domestic hot water (up to 250 litres)
- › Flexibility – customise a solution to your needs

The Thermia iTec XTR comes in four power capacity sizes and five types of indoor unit, each with different functionality. Depending on your requirements, you can select the unit you prefer and customise your installation. The choice of unit depends on the set-up of your heating system and will help ensure you never pay for more than you actually need.

The iTec XTR with its well-proven inverter technology has been designed to provide optimum performance across all European climate zones. It meets the need for heating, cooling and hot water in one solution.



# 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.

The Thermia iTec XTR has an impressive SCOP\*\* (Seasonal Coefficient of Performance) of 5,1. It features the natural refrigerant R290 with a remarkably low GWP (Global Warming Potential) and unique Thermia technology to heat, cool and supply high hot water temperatures. Even at -25°C, it provides heating at 65°C.



**HIGH  
PERFORMANCE  
(SCOP)**

**LOW  
SOUND LEVEL**

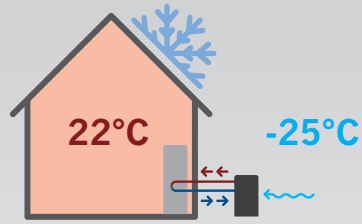
**SCANDINAVIAN  
DESIGN**



## OUT OF THIN AIR

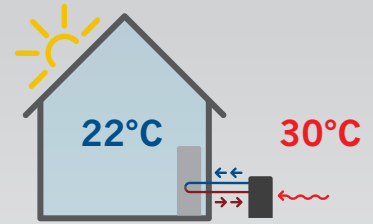
An air source heat pump operates on a simple principle: it transfers energy from ambient air to water in your heating system via a refrigeration process. The energy stored in the air is simply extracted and can be used for heating, cooling and hot water.

The intelligent Thermia Controller and automatic defrosting ensure the lowest possible running cost, while maintaining the desired indoor temperature.



## WARM IN WINTER

In winter, at temperatures as low as  $-25^{\circ}\text{C}$ , the Thermia iTec XTR gathers the low-grade heat from the atmosphere and concentrates it to raise the temperature. The heat is then transferred to the house's energy distribution system – usually radiators, hydronic floor heating or fan coils – to keep you warm and comfortable.



## COOL IN SUMMER

In summer, the process is reversed. The heat is collected from the house and removed, a technology similar to how your refrigerator works.



## MORE HOT WATER, FASTER

The Thermia iTec XTR includes a 180-litre 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.



## SCANDINAVIAN DESIGN THAT DELIVERS EXCEPTIONAL COMFORT

The Thermia iTec XTR is compatible with many different types of heat emitters, such as under-floor heating, radiators or heat convectors. It safely meets the requirements of high and low temperature applications and is perfect for both renovation and new-builds.

In addition, thanks to a whispering acoustic performance, the outdoor unit is so quiet, it can be placed wherever is most convenient without worrying about noise affecting your neighbours or yourself.

### SUPER EASY TO CONTROL

The iTec XTR controller is very easy to use. Once it is set, you don't need

to think about it again. Raising or lowering the temperature can be achieved at the touch of a button.

### PERFECT TO HEAT YOUR SWIMMING POOL

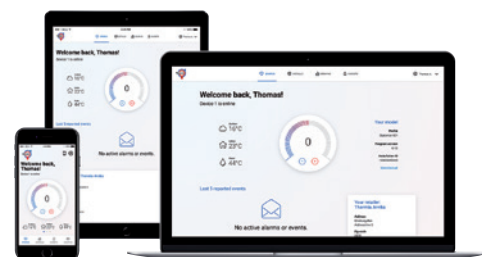
The Thermia iTec XTR can easily be used to heat your pool, very cost effectively. This means you can enjoy your pool all year round, while also reducing the cost of heating it, compared to systems that use fossil fuels.

### MANAGE YOUR HEAT PUMP FROM ANYWHERE

You can monitor and control your heat pump from anywhere with your smartphone, computer or

tablet. With Thermia Online and the 'Thermia Online' app, you or your installer can check the performance and diagnostics data, regulate the temperature or receive a notification if anything unexpected happens.

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



## EXTREMELY EASY...

Two pipes and four cables are all you need for a complete installation.

Simply choose the heat pump, select one of five different indoor units, each with different features, and then customize your installation.



## POWERFUL AND RESPONSIBLE





The Thermia iTec XTR has a very impressive seasonal coefficient of performance (SCOP\*\*) of 5,1. Compared to systems that run

on fossil fuels, running costs are significantly lower and it can perform reliably at temperatures as low as -25°C.

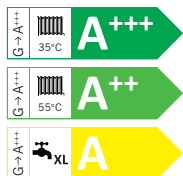
The iTec XTR, equipped with the natural refrigerant R290, delivers a very low GWP\* (Global Warming Potential) energy solution.

The inverter-controlled compressor constantly adjusts the heat load according to the current heat demand. This means you never use more energy than is needed and further reduces your energy bills.

## EXTERIOR

				
Thermia iTec XTR	S	M	L	XL
Available outputs	1-5 kW	2-8 kW	3-12 kW	3-16 kW
Refrigerant	R290			
Function	Heating/ Cooling	Heating/ Cooling	Heating/ Cooling	Heating/ Cooling
SCOP** According to EN 14825, for underfloor heating in an average climate	5,1	4,85	4,9	4,7
Hot water performance Volume of 40°C hot water, according to EN16147	250 l	240 l	247 l	240 l
Sound pressure level dB(A) at 4 m distance ISO 11203	45 dB(A)	48 dB(A)	51 dB(A)	53 dB(A)
Mains electricity	230~1N	400~3N/230~1N	400~3N/230~1N	400~3N






### SYSTEM



### PRODUKT



## INTERIOR

					
Thermia iTec XTR	STANDARD	PLUS	TOTAL COMPACT	TOTAL	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					•

\*GWP, Global Warming Potential, is the amount of heat a greenhouse gas traps in the atmosphere compared to the heat trapped by the same amount of CO<sub>2</sub>, which is the reference gas with a GWP of 1.

\*\*SCOP (Seasonal Coefficient of Performance) specifies how efficiently a heat pump works throughout the whole year, including both warm and cold seasons. The higher the value, the better the system.



# 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