



THE BEST ENERGY COMES FROM NATURE

The Calibra RXT
a ground source heat pump
to heat or cool your home
and deliver plenty of hot water.



KEEP YOUR HOME COSY AND WARM

The Thermia Calibra RXT is yet another step forward, since our development of the first residential heat pump more than 50 years ago, and will make your home even warmer, even more comfortable, your hot water even hotter and it will deliver plenty of it, highly economically, all year round.

Just as we were 50 years ago, today, with the Thermia Calibra RXT, we are proud to be continuing to pioneer the development of heat pumps.

In addition to the benefits of renewable energy versus systems that run on fossil fuels, the Thermia Calibra RXT uses a natural refrigerant – R290.

Thermia is one of the first manufacturers in Europe to use a natural refrigerant in ground source heat pumps. Natural refrigerants are the future of heating and cooling and the natural refrigerant R290 has a GWP (Global Warming Potential) of just 0,02.

POWERFUL & VERSATILE

The natural refrigerant R290 used in the Thermia Calibra RXT has enabled us to dramatically reduce the GWP* (Global Warming Potential) as well as providing renewable energy and living comfort year in, year out for you and your family:

- Effective heating in winter
- Fast hot water production
- A very low GWP*:
Global Warming Potential

The Calibra RXT is the newest member of our family of heat pumps and benefits from decades of experience developing and designing heat pumps, which have been continuously enhanced with innovative new features to increase performance.

The Calibra RXT is extremely versatile and, as a result of the high supply line temperature, will fit in most places and work well with both high and low temperature systems.





NATURAL, RENEWABLE ENERGY

Ground source heat pumps draw energy from the ground which is both natural and effectively free. Not only does this help you save money, versus systems that use fossil fuels, but by choosing the Calibra RXT, you can also support Europe's commitment to renewable energy.

NATURAL
REFRIGERANT
0,02
GWP*

SCOP
5,58
EFFECTIVE
HEATING

HOT
WATER
293
LITERS

WARM IN WINTER

A heat pump concentrates low grade heat from below ground and increases its temperature. The heat is then transferred to the domestic energy distribution system – usually radiators, hydronic floor heating or fan coils. The Thermia RXT does this extremely effectively.



PLENTY OF HOT WATER



Due to the inverter and TWS technology, the Thermia Calibra RXT provides large amounts of hot water at low cost. It produces hot water extremely fast and can deliver 293 litres of domestic hot water at 40°C. This amount of hot water would allow you to take up to 6 showers at the same time. Very handy if you have a large family or when friends or relatives visit.

LOW GWP

The Thermia Calibra RXT is one of the first residential ground source heat pumps to use the natural refrigerant R290. Thanks to this natural refrigerant, the Calibra RXT has a dramatically reduced GWP* of just 0,02.





PERFECT FOR MY HOME

The Thermia Calibra RXT is ideal for both new energy-efficient homes and retrofitting projects. It is an all-in-one solution for domestic heating, cooling and hot water. Heating can be provided via under-floor heating or radiators, while cooling is delivered by under-floor or fan coil systems. Now and in the future, both new buildings and retrofit projects have a number of standards they need to adhere to. This drive towards low and near-zero-energy homes requires highly advanced and specialist products of which the Thermia Calibra RXT is a perfect example.

HASSLE-FREE OPERATION

The Calibra RXT creates the most comfortable indoor climate. Besides keeping you warm in winter and providing plenty of hot water, it continuously monitors performance to ensure the lowest possible running cost to maintain the desired temperature.

VERY DISCREET

The Calibra RXT is very discreet. Being so quiet, it will not only not disturb your neighbours outside, but even standing next to it indoors, all it makes is a discreet whisper (37–46) dB(A). It is also visually discreet, with its elegant, sleek, white design blending in beautifully with most interiors.

SMART CONTROL

The Calibra RXT can be controlled remotely via the Thermia Online app, which means you can monitor the system and regulate the temperature when away from home. The Thermia Online app is available for both Android and iPhone.





NEW TECHNOLOGY DELIVERS SUPERB PERFORMANCE

The Thermia Calibra RXT is a highly advanced ground source heat pump. At the heart of the system is an inverter-controlled compressor, which adjusts its speed based on demand, calculated by the main controller. Thermia's Inverter Technology – which combines the compressor, inverter and controller into one system – delivers superb performance, an extremely low GWP* and significant energy savings versus fossil fuel-based systems.

With a wide range of accessories, the Calibra RXT can also provide passive cooling, heat a pool and work in combination with solar thermal panels or additional heat sources. "Duo" models are specifically designed to work with a separate hot water tank: MBH Legend 200 or 300, or any other hot water tank.

	Calibra RXT 7	Calibra RXT 12
Heating output range (kW)	1–7	3–12
Mains electricity	400~3N/ 230~1N	400~3N/ 230~1N
Refrigerant	R290	R290
GWP* According to EC 517/2014	0,02	0,02
SCOP** According to EN 14825, for underfloor heating in a cold climate	5,46	5,58
Hot water volume (L) at 40°C According to EN 16147: 2017, V40 according to XL cycle	280	293
Sound power level (dB(A)) According to EN12102 (0/35)	37–44	37–46

* GWP stands for "Global Warming Potential" and is expressed in GWP/gram gas. The GWP of R290 according to EC 573/2024 is 0.02 (Annex VI, AR6 method).

** 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. In average climates, the Thermia Calibra RXT at 35°C floor heating has a SCOP of: 7–5,21; 12–5,4

Energy class

according to
Eco-design
Directive 811/2013

Product



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. October 2025.
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