



# COMMITTED TO RENEWABLE ENERGY

FOR HEATING, COOLING  
AND HOT WATER



## RENEWABLE ENERGY PROVIDES EXCEPTIONAL COMFORT

The Thermia Calibra E is part of the Thermia Calibra range and a great example of Thermia's commitment to renewable energy.

Choosing a geothermal heat pump for your home is a good choice to begin with and choosing the Thermia Calibra E is an even better choice.

The Thermia Calibra E is a ground source heat pump that uses refrigerant R452B and performs extremely well. It has a SCOP (Seasonal Coefficient of Performance) of 5,96 and delivers low energy bills compared to fossil fuel-based systems, excellent heating for both underfloor heating and radiators in winter, and all the hot water you could ever need, all year round and year after year.



# INNOVATIVE AND POWERFUL

The Thermia Calibra E effortlessly provides renewable energy for your comfort:

- > Effective heating and cooling
- > Plenty of hot water
- > Quiet and discreet

Our heat pumps are based on decades of proven expertise and continually enhanced with new features. As a result of this commitment to innovation, the Thermia Calibra E includes built-in inverter technology, which ensures optimum performance across all climate zones in Europe.

## **Inverter technology – adjusts to real-time demand**

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





# CLEAN, COMFORTABLE & RELIABLE

Ground source heat pumps are a good choice for the future as they use renewable energy instead of energy from fossil fuels.

The Calibra E will help you support the EU's commitment to derive 32% of European energy from renewable sources by 2030, while increasing the comfort of your home at the same time.

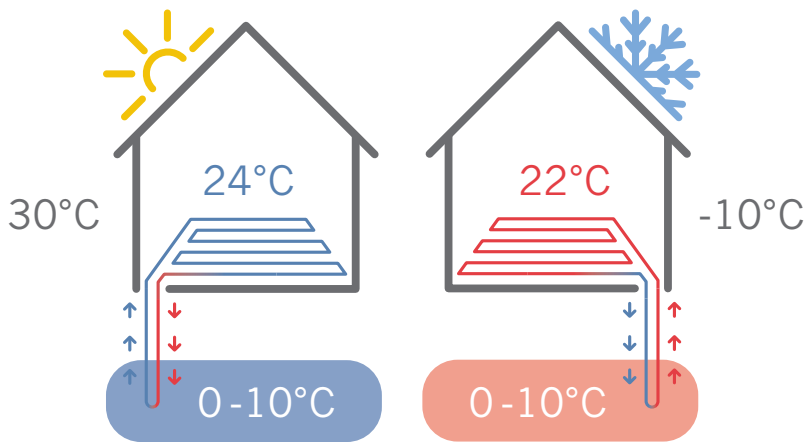
## LOWER ENERGY BILLS

As ground source heat pumps are cheaper to run than systems based on fossil fuels, the Calibra E will also use less energy and reduce your energy bills.

HEATING  
**5,96**  
SCOP\*

**MORE**  
HOT WATER  
AND FASTER

**QUIET**  
& DISCREET



## COOL IN SUMMER WARM IN WINTER

The 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.

An optional module allows you to reverse the process in summer by adding a passive cooling function, which absorbs heat from the house and deposits it into the ground. The cold brine circulating in the underground loops is used to produce natural cooling for your home. Cooling can be distributed via underfloor heating systems or fan coils.



## MORE HOT WATER. FASTER

The integrated Tap Water Stratification (TWS) system is a Thermia technology that ensures extremely rapid production of domestic hot water. It provides hot water fast and at high temperature. This guarantees a high volume of hot water at the lowest possible cost.



## QUIET & DISCREET

The Thermia Calibra E is one of the quietest heat pumps on the market. During operation, it generates just 29 dB, which is less than a whisper. Together with the elegant and functional Scandinavian design, this means that the Thermia Calibra E can be placed anywhere in your home.

## FIT FOR MY HOME

The Thermia Calibra E is ideal for new energy-efficient homes, as well as for retrofitting projects. It is an all-in-one solution that works with both underfloor heating and radiators. It even supports optional cooling or pool heating.

Over the coming decade, both new buildings and retrofit projects will need to adhere to very high standards and regulations. This trend towards low and near-zero-energy homes calls for the best available solutions. With the Thermia Calibra E, you will be making a very informed choice of technology for the next generation while effectively ensuring the comfort of the current generation at the same time.

## TOTAL CONTROL OF THE INDOOR CLIMATE

The Thermia Calibra E provides a comfortable indoor climate all year round. And there is always plenty of hot water for a shower.

The system control algorithm ensures the lowest possible running cost to maintain the desired indoor temperature at any given time. It also features Smart Home (BMS – Building Management System) and Smart Grid Ready (intelligent power supply) technology as options.

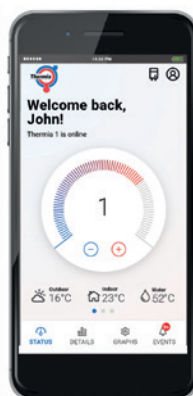
## ULTRA-QUIET DESIGN

The mechanical design of the Thermia Calibra E is based on 50 years of ground source heat pump innovation, making it one of the quietest heat pumps on the market. During operation, it generates just 29 dB, which is less than a whisper. Together with the elegant and functional Scandinavian design, this means that the Thermia Calibra E can be placed anywhere in your home.



## SMART CONTROL

Thanks to the Thermia Online app, you can monitor your Thermia heat pump, regulate the temperature when you are away or receive an alert if anything unexpected occurs. When at home, you can access the system via the high-quality colour touchscreen display with its user-friendly, easy-to-understand icons. Meanwhile, the intelligent controller monitors the whole system: radiator, under-floor or mixed heating systems, hot water, cooling or additional heater sources. The Thermia Online app is available for both Android and iPhone.





## INVERTER TECHNOLOGY

The Thermia Calibra E is a ground source heat pump. At the heart of the system is an inverter-controlled compressor, which adjusts its speed across all ranges based on demand, calculated by the main controller. Thermia's Inverter Technology, which combines the compressor, inverter and controller into one system, gives you maximum comfort and energy savings.

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

System:



Product:



## SIZE YOUR HEAT PUMP TO SUIT YOUR HOME

The Thermia Calibra E is available in three different models. With a wide range of accessories, each of the models can also provide 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 Calibra 200 or MBH Calibra 300, or any other hot water tank.

If you want integrated passive cooling as part of your home energy system,

we recommend the Thermia Calibra E Cool heat pump. Discover more about Calibra E Cool, on [thermia.com](http://thermia.com) Thermia installers will help you select the right Calibra model to meet your needs.

Thermia	CALIBRA E 8	CALIBRA E 12	CALIBRA E 16
Refrigerant	R452B		
Heating output range (kW)	2-8	3-12	4-16
SCOP* According to EN 14825, for underfloor heating in a cold climate	5,87	5,85	5,96
Hot water volume (40°C, L) According to EN16147, according to XL cycle	260	260	260
Sound performance (dB(A) EN12102 (0/35)	30-42 (32)	29-44 (34)	32-46 (36)

\*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 E at 35°C floor heating has a SCOP of: 8 – 5,57; 12 – 5,67; 16 – 5,64



# 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