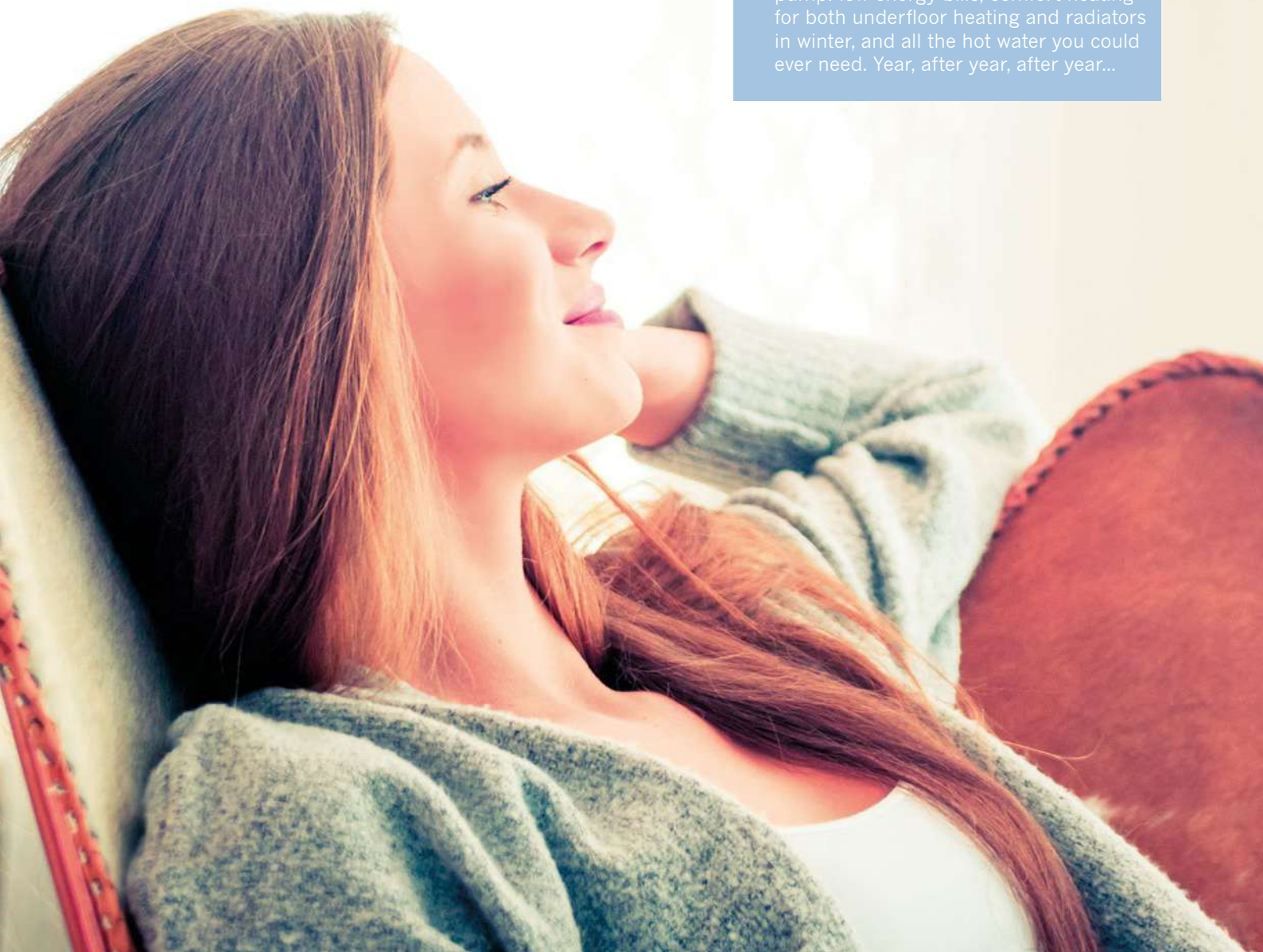
BECOME A GREEN CHAMPION

FOR HEATING, COOLING AND HOT WATER

FIGHT GLOBAL WARMING FROM THE COMFORT OF YOUR HOME

Choosing a geothermal heat pump for your home is a responsible choice to begin with. Choosing Thermia Calibra Eco will make you a trailblazing green champion. Thermia is the the first manufacturer in the world to use the new R452B refrigerant in heat pumps. This helps to reduce the CO_2 equivalent by 66% – even more compared with other heat pumps – and actively contributes to achieving future EU climate goals.

At the same time, Thermia Calibra Eco still meets all the requirements you would expect from a ground source heat pump: low energy bills, comfort heating for both underfloor heating and radiators in winter, and all the hot water you could ever need. Year, after year, after year...



SUSTAINABLE, **INNOVATIVE** AND **POWERFUL**

Thermia Calibra Eco effortlessly provides green energy for your living comfort:

- Low GWP (Global Warming Potential)
- Effective heating and cooling
- Plenty of hot water
- Low-sound performance

Thermia Calibra Eco is an extension of the Thermia Calibra range and the latest result of Thermia's innovation leadership. Our heat pumps are based on decades of proven expertise and enhanced with innovative new features.
In this case, Thermia Calibra Eco is the first ground source heat pump in the world to offer you the new R452B refrigerant.
As a result, it outperforms both other heat pumps and conventional energy solutions.

Best of all, choosing to go green doesn't mean you have to compromise. Thermia Calibra Eco also includes built-in inverter technology, which ensures optimum performance across all climate zones in Europe.

GREEN CLEAN AND COMFORTABLE

Ground source heat pumps have the potential to reduce CO_2 emissions from heating, cooling and hot water supply. With Calibra Eco, you can make an even greater contribution to the EU targets for reducing greenhouse gas emissions while increasing the comfort of your home at the same time.

INVEST IN A SUSTAINABLE FUTURE WITH LOWER ENERGY BILLS

Thermia Calibra already saves energy and reduces your energy bills. By choosing Thermia Calibra Eco, you are also investing in a more sustainable future and staying ahead of future EU environmental regulations.

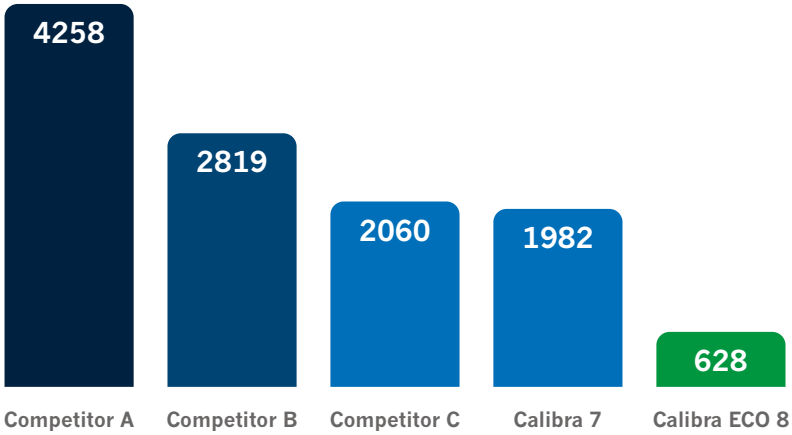
Thermia is the first ground source heat pump manufacturer in the world to introduce the new climate-friendly R452B refrigerant. Yet another example of how we have led the way in this technology through numerous innovations, ever since the first Thermia ground source heat pump was launched in 1973.

VERY LOW **GWP**

HEATING **5.96** **SCOP***

HOT WATER **15%** **MORE AND FASTER**

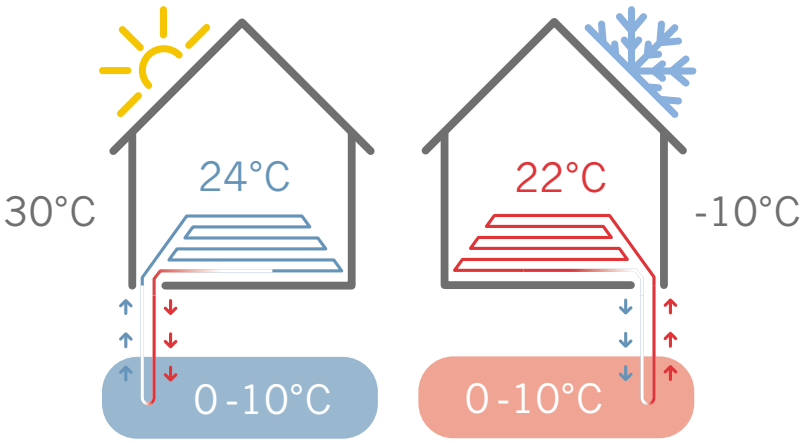
CO_2 EQUIVALENT (KG)



THE LOWEST GWP IN THE WORLD

Thermia Calibra Eco is the ultimate sustainable energy solution for your home. It is the first heat pump in the world to feature the low GWP* (Global Warming Potential) refrigerant R452B, which meets the future EU environmental requirements for heat pumps.

With a GWP value of 628kg, Calibra Eco outperforms all other solutions in terms of the heat pump's CO2 equivalent footprint. On top of that, it will reduce your energy consumption by 60-80% over the course of its working lifetime.



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 15% more hot water significantly faster and at higher temperatures than traditional alternatives. This means a higher volume of hot water, delivered faster and at considerably lower cost.

FIT FOR MY HOME

Thermia Calibra and Calibra Eco are ideal for new energy-efficient homes, as well as for retrofitting projects. They are true all-in-one solutions that work with both underfloor heating and radiators. They even support optional cooling or pool heating.

Over the coming decade, both new buildings and retrofit projects will need to be sustainable. This trend towards low and near-zero-energy homes calls for the best available solutions. With Thermia Calibra Eco, you will be making the most responsible choice for the next generation while effectively ensuring the comfort of the current generation at the same time.

TOTAL CONTROL OF THE INDOOR CLIMATE

Thermia Calibra and Calibra Eco provide 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 Thermia Calibra Eco is based on 50 years of ground source heat pump innovation, making it the quietest heat pump 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 Thermia Calibra Eco can be placed anywhere in your home.

ANDROID APP ON Google play

Available on the iPhone App Store

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 color 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.

R452B OR NOT R452B?

Thermia Calibra Eco 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. And with an unsurpassed GWP, you are investing in a sustainable green future at the same time.

ENERGY PERFORMANCE

	CALIBRA	CALIBRA ECO
Energy class according to Eco-design Directive 811/2013:	A+++ As part of an integrated system	A+++ As part of an integrated system
	A+++ As the sole heat generator	A+++ As the sole heat generator

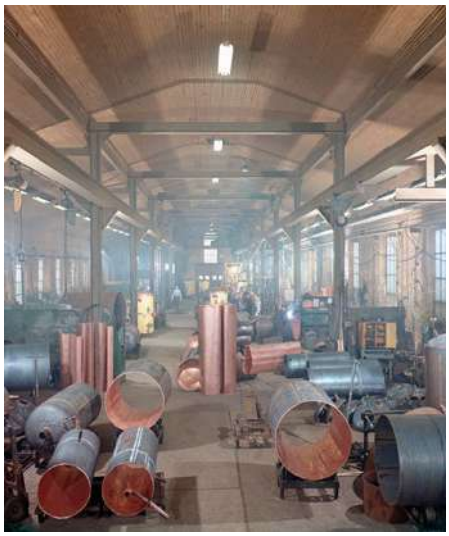
SIZE YOUR HEAT PUMP TO YOUR HOME

Thermia Calibra and Calibra Eco are available in five different models. With a wide range of accessories, both heat pumps 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 Cool heat pump. Discover more about Calibra Cool on thermia.com Thermia installers will help you select the right Calibra model to meet your needs.

Thermia	CALIBRA 7	CALIBRA 12	CALIBRA ECO 8	CALIBRA ECO 12	CALIBRA ECO 16
Refrigerant	R410A		R452B		
CO_2 equivalent (tCO_2-e)	1,982	2,923	0,628	0,907	1,291
Heating output range (kW)	1,5-7	3-12	2-8	3-12	4-16
SCOP** FLOOR HEATING– cold climate	5,77	5,80	5,87	5,85	5,96
Hot Water volume (L)	260 / COP = 2,7	260 / COP = 2,7	260 / COP = 2,7	260 / COP = 2,7	260 / COP = 2,7
Sound performance (dB(A) EN12102 (0/35)	28-42 (32)	29-46 (35)	30-42 (32)	29-44 (34)	32-46 (36)

***GWP - Global Warming Potential describes the CO2 footprint of the product from cradle to grave and does not include CO2 savings from the electricity source and energy performance.**
****SCOP (Seasonal Coefficient of Performance according to the EN14825 standard) is a new measurement that shows how effective the heat pump is on an annualized basis under all seasonal weather conditions. This provides a realistic picture that makes it much easier to compare the performance of different brands and types of heat pumps. It gives a much more accurate illustration of efficiency than the COP (Coefficient of Performance) value, which is based on a single brine and heating temperature and just one measuring point.**



THERMIA. FIRST IN GREEN ENERGY. SINCE 1923.

PIONEERING HEAT PUMPS

For 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 given us world-leading knowledge in heat pump technology.

ENGINEERED WITH PASSION

Developing truly sustainable renewable energy solutions 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 center.

BORN IN SWEDEN

All our products are designed, manufactured and tested in Sweden using the latest technology and the highest quality components. All components inside our ground source heat pumps are made in Europe by world-leading industry specialists.

Thermia

www.thermia.com