



MEET THE WORLD CHAMPION

IN HEATING, COOLING
AND HOT WATER



FIRST CLASS COMFORTABLE LIVING

The new Thermia Atlas heat pump is the top model in our premium domestic range. The highest ever SCOP rating, lower energy bills, unbeatable levels of hot water production and the lowest sound level in its class all ensure comfortable living.

Moreover, as a Swedish company, the new Atlas features the best of Scandinavian design. As the new product becomes widely available in early 2020, families will be able to access the best low-carbon, renewable heating system available.

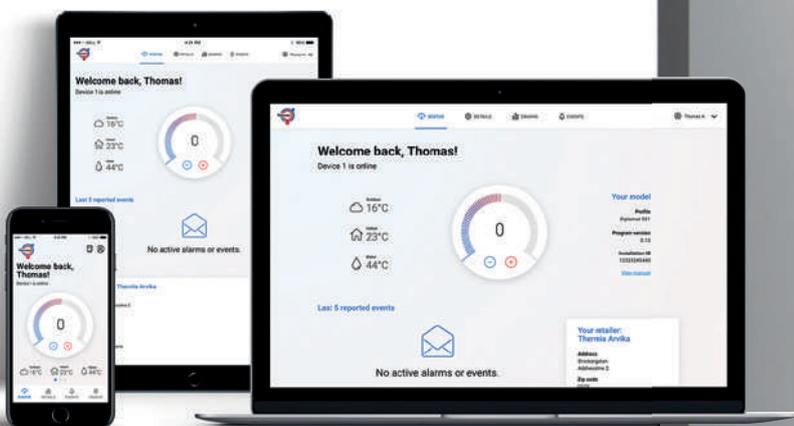
THE NEW WORLD LEADER IN GROUND SOURCE ENERGY

Thermia Atlas sets new standards for green energy and living comfort in all areas:

- › Heating and cooling (SCOP* 6.15)
- › Hot water production (545 liters)
- › Sound level (30-43dB)
- › Design and functionality

Thermia Atlas is built on the shoulders of its predecessors. It is designed with the positive experiences of decades of Thermia heat pumps and enhanced with innovative new features to outperform the alternatives.

Atlas has created a whole new class of its own as the first geothermal heat pump to surpass a SCOP* 6.0 limit with a peak performance of 6.15 and an outstanding comfort level for heating, cooling and hot water in buildings.



GREEN CLEAN COMFORTABLE



**HEATING
AND COOLING**
6.15 SCOP*

HOT WATER
545 LITERS

**SOUND OF
SILENCE**
30-43 DB

Ground source heat pumps have the potential to reduce your home's CO₂ emissions by up to 80%. In this way, they can be your individual contribution to the commitment to derive 32% of European energy from renewable sources by 2030.

Thermia Atlas saves energy and is a proven environmentally friendly solution. Simply by choosing a Thermia Atlas, you demonstrate your commitment to a more sustainable world. The money you save on your heating bills is just one added benefit for you.



NO. 1 IN HEATING

Thermia Atlas uses an algorithm that ensures the lowest possible running cost to maintain the desired indoor temperature.

At the heart of the system is an inverter-controlled compressor. This continuously adjusts the heat pump's output to real-time heat demand. In our technology, the compressor can precisely adjust speed across all ranges based on demand calculated by the main controller.

Thermia Inverter Technology connects the compressor, inverter and controller in one system with a clear aim: maximum energy savings and unsurpassed comfort.

Thermia Atlas can also provide energy solutions for new homes with a pool or jacuzzi, as well as for retrofitting projects in larger homes. By adding a cooling unit to your heat pump, you get a comprehensive climate comfort system that gives you a perfect indoor

climate, all year round. It is also significantly more economical than conventional air-conditioning in terms of both initial investment and running costs.



NO. 1 IN HOT WATER

Atlas offers three different hot water modes: Economy, Normal and Comfort. If you have modest heating and hot water needs, you can choose to prioritize the lowest possible energy consumption. Alternatively, you can opt for a warmer comfort temperature and excellent hot water availability.

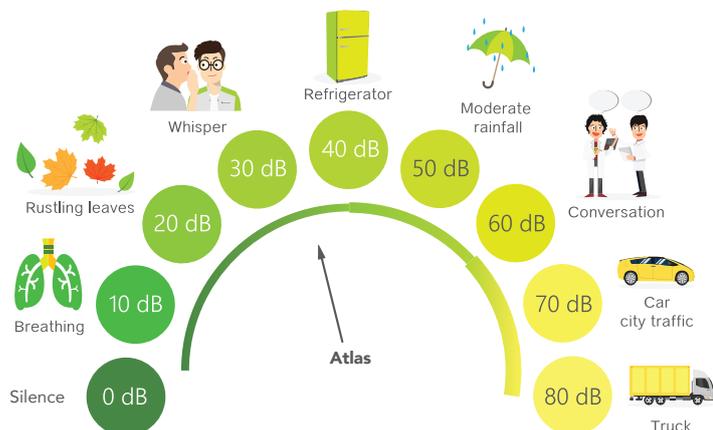
Either way, you will always be meeting your needs in the most environmentally friendly manner possible.



NO.1 IN SOUND LEVEL

Thanks to excellent acoustic design, extra vibration dampers, sound absorbers and built-in flexible hoses, Atlas achieves superb quietness levels. During operation, it generates just 30 dB(A) – a sound level comparable to a whisper.

This means you can install the heat pump anywhere in your home.





FIT FOR MY HOME

In the coming decade, both new buildings and retrofitting projects must be sustainable. This trend towards technology-rich, low and near-zero-energy homes calls for the best available solutions.

Thermia Atlas is the superior energy solution for all types of homes, even if you have two or more bathrooms, Jacuzzi or swimming pool, or if your house needs cooling during the summer. Thermia Atlas is premium, all-in-one solution for heating, domestic hot water and cooling, and effortlessly supports both under-floor heating and radiators.

SCANDINAVIAN DESIGN

As a Swedish brand, Thermia Atlas unites the best of Scandinavian design and functionality.

The silver-gray front and hood optimize the appearance of the installation, allowing it to blend equally well with elegant, contemporary or cozy home interiors.

CONTROL YOUR HEAT PUMP FROM ANYWHERE

The Thermia Atlas heat pump is controlled via a color touchscreen display and user-friendly icons that are easy to understand. It also offers easy remote control via the 'Thermia Online' app. You can check that your heating system is working properly, regulate the temperature when you are away or receive an alert if anything unexpected occurs. The Thermia Online app is available for both Android and iPhone.

THE HEART OF YOUR SMART HOME

The intelligent controller supports the latest energy trends, such as Smart Home (BMS - Building Management System) and Smart Grid Ready (intelligent power supply).

It monitors the whole system, from radiators, under-floor or mixed heating systems to hot water, cooling or additional heaters. What's more, the heat pump can be easily combined with other heat sources such as solar thermal panels.



CHAMPIONSHIP AT A GLANCE



ENERGY PERFORMANCE

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



As part of an integrated system



As the sole heat generator

Thermia Atlas 12

Integral 184-liter hot water tank
Available outputs: 3 - 12 kW
Electrical connections: 400V 3N, 230V 1N

Thermia Atlas 18

Integral 184-liter hot water tank
Available outputs: 4 - 18 kW
Electrical connections: 400V 3N

Atlas is also available with a separate hot water tank, which is ideal if you need large volumes of hot water.



ATLAS AND THE REST

Thorough product testing is part of the Thermia philosophy. Atlas has been tested against two key competitors on its ability to efficiently provide

heating in a radiator system, a floor heating system, hot water production and sound level. The results speak for themselves:

	Atlas 12	Alternative 1	Alternative 2	Atlas 18	Alternative 1	Alternative 2
Heating capacity	3-12 kW	3-12 kW	3-12 kW	4-18 kW	4-16 kW	4-15 kW
SCOP* FLOOR HEATING – cold climate	5,86	5,4	5,85	6,15	5,5	5,55
SCOP* RADIATOR – cold climate	4,39 (SCOP* = HGW** not incl)	4,3	4,39	4,39 (SCOP* = HGW** not incl)	4,2	4,28
Volume 40°C hot water (incl. HGW**)	307 l (488 l)	240 l	298 l	344 l (545 l)	240 l	301 l
Sound level 0/35 dB(A) (Sound power, Energy label)	30-43 (33)	36-47 (44)	Not specified (41)	32-45 (36)	36-47 (42)	Not specified (41)

*SCOP (Seasonal Coefficient of Performance) is a new measurement that shows how effective the heat pump is on an annual basis under all seasonal weather conditions. This provides a realistic picture that makes it much easier to compare heat pumps across producers. 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.

** The unique HGW (Hot Gas Water) technology increases the annual efficiency of hot water production. Domestic hot water can be produced simultaneously with heat production, providing plenty of hot water during the heating season at a very low cost.

THERMIA NO.1 IN GREEN ENERGY SINCE 1923



PIONEERING HEAT PUMPS

For the last 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.

