



Successful Thermia Mega project at Lundbergs



Real estate company “Fastighets AB LE Lundberg” is one of the largest private property owners in Sweden. In a project involving challenges such as an outdated district heating solution, 200 apartments, 22 buildings and small installation spaces, the answer was 22 Mega S ground source heat pumps.

“In January alone, consumption fell by 40 percent compared to January 2018, and we didn’t even have all heat pumps operational at that point.”

Erik Sparrfeldt, Market Area Manager at Lundbergs



Fastighets AB L E Lundberg is one of the largest private property owners in Sweden. In the context of a major renovation project involving 200 apartments in Södertälje, it was found that the existing district heating solution had reached the end of its technical lifecycle. Lundbergs chose Kylgruppen as contractor for this project as they are leaders in the industry.

The large number of buildings and small installation spaces made this project a real challenge. The solution was 22 Thermia Mega S ground source heat pumps. Thanks to their compact size and inverter technology, these are very versatile and easy to place.

The end result was successful in all aspects – everything from the technical solution to the economic outcome.

“Mega provides power as needed and we expect to see significantly reduced energy consumption. In January alone, consumption fell by 40 percent compared to January 2018, and we didn’t even have all heat pumps operational at that point”, commented Erik Sparrfeldt, Market Area Manager at Lundbergs.

Fact Box

- Turnkey contract: Kylgruppen
- Installed: 22 Thermia Mega S
- Area: Fasaden 1 and 2 in Södertälje
- Scope: 200 apartments in 22 buildings
- Previous: District heating
- Time: Start 2017, installation 2018

Thermia Mega - a truly commercial heat pump

Thermia Mega is a commercial ground source heat pump that is the pinnacle of innovation, not only for the highest energy savings, but for the best total cost of ownership for a high number of applications in the commercial sector. Mega is a heat pump with an inverter-controlled compressor, with a total output of up to 88 kW and one of the highest SCOP on the market.

Inverter technology makes Mega an extremely flexible and versatile product, which can be installed and used in all types of property, whatever the conditions. Each solution can be tailored to meet your full heating, cooling and hot water needs. Thanks to the inverter control, you can also operate installations with different heating and hot water demands without the need for additional

volume tanks. This will lower installation costs and reduce the space needed for the system. Hot gas exchangers as standard make hot water production extra cost-effective.

Connecting 16 Mega units together, the customer can achieve a total heating effect of up to 1,4 MW. The controller in the Mega heat pump boasts a touchscreen color display in addition to user friendly iconic symbols that are easily understandable giving the user stress free control, additionally on the Mega control board below the display can be found a USB port for the updating of software. Using the integrated Thermia Online tool, you can remotely monitor Mega heat pump via a computer, tablet or smartphone.



Thermia Mega

THERMIA

THE ULTIMATE ENERGY PROVIDER 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.