

## AURORA FROST GROUND THAWING TRAILER 64 KW - 600 M OF HOSE, 0-400 M<sup>2</sup>

**Aurora Frost ground thawing trailer** is the ground thawing and frost prevention unit of the Aurora Block system. It keeps excavation, foundation and infrastructure work moving in demanding winter conditions and is ready to operate on arrival at site.



- 64 kW heating power from the Aurora 64 condensing oil boiler
- Ground thawing area 0-400 m<sup>2</sup>, depending on site conditions
- 600 m of water-circulating thawing hose on integrated reels
- Motor-operated hose reels - one-person deployment and collection
- Flow temperature up to 90 °C, efficiency 90-98 %
- Electrical supply 230 V, weight 700 kg with an empty tank
- Spine remote control as standard, 5-year licence included

SKU: 1050601003

### TECHNICAL ATTRIBUTES

|                            |                      |                     |            |
|----------------------------|----------------------|---------------------|------------|
| <b>Lämpöteho</b>           | 64 kW                | <b>Sulatusletku</b> | 600 m      |
| <b>Hyötysuhde</b>          | 90-98 %              | <b>Sähkösyöttö</b>  | 230 V      |
| <b>Menoveden lämpötila</b> | 90 °C                | <b>Weight</b>       | 700 kg     |
| <b>Sulatusala</b>          | 0-400 m <sup>2</sup> | <b>Tuotekoodi</b>   | 1050601003 |

## ADDITIONAL PRODUCT DESCRIPTION

**Aurora Frost ground thawing trailer** is the ground thawing unit of the Aurora Block modular climate control system. Its heat production is based on the Aurora 64 condensing oil boiler, which delivers 64 kilowatts of thermal energy into the thawing hoses. The trailer keeps excavation, foundation and infrastructure work moving in demanding winter conditions. The SKU is 1050601003.

### Who is the Aurora Frost ground thawing trailer for?

The trailer is meant for winter construction: opening excavations, foundation work and infrastructure projects where frost would otherwise stop the job.

It also suits maintenance and repair work where the ground has to be thawed quickly and predictably. The thawing area is 0-400 square metres depending on site conditions.

The trailer is ready to operate on arrival at site, so no separate installation or site-specific design work is needed.



## 600 metres of hose on motorised reels

The trailer carries 600 metres of water-circulating thawing hose on integrated reels. The hoses are laid out across the work area and collected back onto motor-operated reels.

Motorisation means that deploying and collecting 600 metres of hose is a one-person job. With hand-pulled equipment the same work would need several people and considerably more time.

Warm water circulates in the hoses and thaws the frost from below upwards, so thawing progresses evenly across the whole area.



## Aurora Frost ground thawing trailer and heat production

Heat is produced by the integrated Aurora 64 condensing oil boiler, which runs on diesel and HVO biodiesel. Heating power is 64 kW and efficiency 90-98 %.

The flow temperature is up to 90 °C. That high flow temperature is exactly what makes thawing fast – a heat pump typically reaches only +60 °C.

The same boiler also works in the Aurora Block system as a [separate backup heating unit](#).

## Aurora Frost ground thawing trailer and Spine remote control

The trailer is controlled and adjusted through the Spine platform. You see the flow temperature, fuel level and device status in real time, and deviations raise an alarm. A five-year Spine licence is included in the delivery.

Remote control reduces site visits – thawing can continue overnight with nobody present. Read more about [Spine heating control](#).

The trailer is fully compatible with Spine heating control devices, like the other Aurora Block units.

## Aurora Frost ground thawing trailer - technical data

|                   |                                          |
|-------------------|------------------------------------------|
| Device type       | Water-circulating ground thawing trailer |
| SKU               | 1050601003                               |
| Heat source       | Aurora 64 condensing oil boiler (HVO)    |
| Heating power     | 64 kW                                    |
| Efficiency        | 90–98 %                                  |
| Fluid heating     | up to 90 °C                              |
| Thawing area      | 0–400 m <sup>2</sup> (site dependent)    |
| Thawing hose      | 600 m, integrated reels                  |
| Hose handling     | Motorized, one-person operation          |
| Electrical supply | 230 V                                    |
| Weight            | 700 kg (empty tank)                      |
| Control           | Spine platform, 5-year licence included  |

**Add the product to your quote request cart** and ask for a quotation – we size the right configuration for your site.

## Download the product sheet as a PDF

All technical data is also available as a one-page product sheet in PDF format. The sheet covers the key features, system integration and the full specification table. [Download the PDF product sheet \(Aurora Frost\)](#)

## Aurora Frost ground thawing trailer on site

The trailer is towed to the site, the hoses are laid out over the area to be thawed and covered with insulating blankets. An ordinary 230 volt connection is enough for the electrical supply.

Thawing speed depends on frost depth, soil type and covering. The thawing area is 0–400 square metres, and thawing progresses faster over a smaller area.

Once the area has thawed, the hoses are wound back onto the motorised reels and the trailer moves to the next site.



## Fuel and emissions

The trailer runs on diesel and HVO biodiesel. HVO cuts emissions significantly with no modifications to the equipment.

Ground thawing is short-term, targeted work, so fuel is consumed only while thawing. Finland's national energy agency [Motiva](#) publishes background on heating methods and energy efficiency.

Condensing technology raises the efficiency to 90-98 %, so considerably more is drawn from the fuel than with an ordinary boiler.



## Frequently asked questions

### How large an area does the Aurora Frost ground thawing trailer thaw?

The thawing area is 0–400 square metres. The actual area depends on frost depth, soil type and how well the area is covered.

### How much thawing hose does the trailer carry?

The trailer carries 600 metres of water-circulating thawing hose on integrated reels.

### Are several people needed to lay out the hoses?

No. The hose reels are motor-operated, so deployment and collection is a one-person job.

### Where does the heat come from?

From the integrated Aurora 64 condensing oil boiler. Heating power is 64 kW and the flow temperature up to 90 °C.

### What electrical supply is needed?

An ordinary 230 volt supply is enough, because electricity is only needed for the controls and the circulation pump.

### How much does the trailer weigh?

The weight is 700 kg with an empty fuel tank.

### What is the product code?

The SKU is **1050601003**. Use it in quotation requests and spare part enquiries.

### Can the trailer be controlled remotely?

Yes. Control and monitoring run through the Spine platform, and a five-year licence is included in the delivery.

## Request a quote for the Aurora Frost trailer

**Add the Aurora Frost ground thawing trailer to your quote request cart** and send the request – we answer quickly. You can collect several units in one cart. The full range is on the [worksite heating page](#). If you want to ask something first, open the chat in the bottom right corner.

## OTHER PRODUCT IMAGES

