



BACKUP OIL HEATING UNIT

Aurora 64 is the redundancy layer of the Aurora Block system — a reliable backup and peak power unit that secures heat production during power outages, exceptional situations and extreme conditions. It complements heat pump-based modules whenever other energy sources are unavailable or capacity is insufficient.

KEY FEATURES

- ▶ 64 kW output, 90–98 % efficiency (condensing technology)
- ▶ HVO-compatible fuel tank, approx. 500 L, for low-emission operation
- ▶ Operates through power outages — 8 h battery backup
- ▶ Minimal electrical demand: single-phase, max 500 W
- ▶ Fluid heating up to 90 °C
- ▶ Stainless steel piping and frame with a self-venting high-efficiency circulation pump

SPINE INTEGRATION



SPINE Real-time remote monitoring and control

Device control and adjustment via the Spine platform

Compatible with Spine heating control devices

AURORA BLOCK SYSTEM INTEGRATION

- ▶ Heat distributed through water-circulating fan units or supplied directly to a hydronic heating circuit
- ▶ All climate control units within the Aurora Block system are interconnected using 2" flange couplings
- ▶ Controlled and adjusted through the Spine platform — immediate automatic response to temperature drops and power outages, no manual intervention required
- ▶ Fully compatible with Spine heating control devices
- ▶ Fuel is consumed only by the redundancy layer, keeping overall system CO₂ emissions over 90 % below conventional solutions
- ▶ Over 99 % system reliability achieved in active deployments, even during power outages

TECHNICAL INFORMATION

SKU	1050601002	Electrical supply	Single-phase
Technology	Condensing oil boiler	Max power input	500 W
Output capacity	64 kW	Battery backup	8 hours
Efficiency	90–98 %	Weight	450 kg (without fuel)
Fluid heating	up to 90 °C	Connection	2" flange
Fuel tank	approx. 500 L (HVO compatible)	Distribution	Fan units · hydronic circuit
		Control	Spine platform
		Spine license	5 years included