

Performance Sauna Guide



IK ENG.



IK Engineering Standard

Why 9kW? Why 150mm? Because we don't compromise. Every IK sauna is engineered to deliver uncompromising performance, structural integrity, and long-term value. Our technical specifications reflect decades of thermal engineering expertise, ensuring that each installation meets the highest standards of architectural wellness.



150mm Reinforced Raft

Integrated damp proof membrane and reinforced concrete raft foundation for perfect door alignment and structural stability over decades of use.



9kW Arctic-Spec Heater

Rapid heat performance reaching 90°C in under 25 minutes, requiring dedicated 40-Amp electrical supply for consistent thermal delivery.



Thermal Integrity

ALU-foil vapor barrier and high-temperature insulation create thermos-effect for exceptional durability and energy efficiency.

Each technical specification is designed to work in concert, creating a sauna environment that performs flawlessly in British climate conditions whilst maintaining architectural precision.

The Heart of the Heat

More Power. Better Recovery.

Our engineering philosophy centres on thermal excellence—fast heat-up times, consistent temperature maintenance, and authentic löyly steam experience. The 9kW heater combined with 50kg stone capacity creates the foundation for genuine Finnish sauna tradition, engineered for UK specifications.

1

25-Minute Thermal Snap

Rapid heat-up from cold start to optimal bathing temperature, with fast recovery when door opens during use.

2

50kg Stone Capacity

Generous thermal mass delivers soft, deep steam experience when water is ladled, authentic löyly engineering.

3

Xenio Digital Control

Programmable timers, precision thermostat, and intuitive interface for seamless operation and energy management.

The combination of high-wattage heating, substantial stone mass, and intelligent control creates an environment where performance and tradition unite.

Sensory Architecture

Precision Materials. Timeless Comfort.



Timber Excellence

Thermo-Aspen: Modern durability with thermo-treated stability, minimal movement, contemporary aesthetic.

Western Red Cedar: Classic aroma and natural oils, traditional warmth, timeless character.



Acoustic Comfort

Strategic insulation provides superior acoustic isolation. Floating bench design with ergonomic contours offers comfort during extended sessions.

Every material choice reflects our commitment to performance, longevity, and authentic sauna tradition—engineered for the UK climate.



Thermal Insulation

Mineral wool insulation throughout walls, ceiling, and floor, combined with integrated vapor barriers, ensures optimal thermal performance.



Ambient Lighting

Concealed LED washlighting with dimmable controls. Optional chromotherapy system allows for colour therapy integration, enhancing the wellness experience.

From Concept to Completion

IKENG delivers turnkey sauna installations with precision engineering at every stage. Our five-phase process ensures architectural accuracy, structural integrity, and seamless integration into your property.

01

Technical Site Survey

Detailed assessment of location, ground conditions, electrical supply, and access requirements for accurate specification.

02

Groundworks & Foundation

150mm reinforced concrete raft with integrated damp proof membrane, engineered for perfect door alignment and structural stability.

03

Structural Assembly

Precise timber framing, insulation installation, vapor barrier application, and weatherproof cladding to exacting standards.

04

Electrical Commissioning

9kW heater installation, dedicated 40-Amp circuit, Xenio digital control setup, and comprehensive safety testing.

05

Client Handover

Operational training, maintenance schedule, warranty documentation, and final quality assurance inspection.

10-Year Structural Guarantee

Foundation and timber framing integrity assured for decade-long performance

2-Year Heater Warranty

9kW Arctic-spec heating system covered for two years post-commissioning

12-Month Workmanship Warranty

Craftsmanship and installation quality guaranteed for first year of ownership

Begin Your Project

IKENG transforms architectural vision into thermal performance. Our engineering expertise, precision manufacturing, and turnkey installation process deliver exceptional sauna environments for residential and commercial applications across the UK.

Technical Consultation

Site assessment, specification review, and performance requirements discussion

Design Integration

Architectural drawings, material selections, and technical specifications for approval

Project Execution

Coordinated installation schedule and seamless project management from foundation to handover

Get in Touch

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Next Steps

Contact our technical team to schedule site survey and begin engineering specifications for your sauna project.