

MOBILE BIOMASS BOILER HOUSE

SMART CABIN 150-500-1500 kW

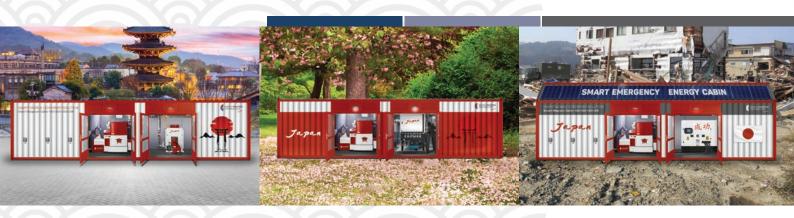
Biomass boiler technology Smart 150–500 kW • Oil/gas back-up boiler as optional extras • Complete wood chips & wood pellets silo • Complete flue system inside the container • Complete hydraulic installation inside the container • Measuring and regulation system • 96 % burning efficiency • Flexible Technical solutions • Flexible external design features

SMART CABIN 150-500-1500 kW



for a complete Technology Unit

*Complete 5 year warranty conditions on request



Specification & Design 1











Mobile container technical options:

- Left/Right Container design
- Hydraulic roof for wood chip container design
- Glass/Metal doors design
- Special safety features
- External design according to customers' special requirements

Dimensions and Weights:

150–250 kW: $3 \times 3 \times 12.6 \text{ m} \sim 12 \text{ tons*}$ 300–500 kW: $3.2 \times 3 \times 12.6 \text{ m} \sim 15 \text{ tons*}$

*If an oil or LPG back-up boiler is required, the Smart cabin can be extended by 1.2m, with an increase in weight of 1.5 tons.

In association with:

SIEMENS

GRUNDFOS X











ČSN-EN 303.5/2013 ISO 9001:2009

Efficiency 96 % Mobile phone control Internet control























* Subject to a Fuel Composition, and Testing!

| TECHNICAL DATA OF SMART BOILERS | | | | | | | | | | |
|---------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Marking | | 150 | 180 | 220 | 250 | 300 | 350 | 400 | 450 | 500 |
| Nominal power Pn | kW | 150 | 180 | 220 | 250 | 300 | 350 | 400 | 450 | 500 |
| Partial load (power) Pp | kW | 40 | 45 | 55 | 65 | 75 | 90 | 100 | 115 | 140 |
| Boiler efficiency at Pn | % | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| Boiler efficiency at Pp | % | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| Boiler class | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |







SMART INDUSTRIAL HEATING SOLUTION

Complete Biomass Solution For Industrial Heating including Radiators, Interior Fans, Regulation and On-line Monitoring

Complete Mobile Container solution supply or individual Biomass Boiler solution supply • Hot water / Hot air heating option • Complete Hydraulic & Electric solution for multiple buildings heating • 2-10 thermostats installation into each building • Complete Monitoring and Regulation for all heating circuits • Installation possibility of Certified Heat Meters for energy invoicing • Remote Monitoring and Control over the Internet/GSM • Instant notification of working conditions alternation

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Smart Industrial Heating:

- Apartment Buildings
- Shopping Centres
- Manufacturing Premises, Industrial Units and Warehousing
- Hotels, Leisure Centres, Spas/Health Clubs and

Swimming Pools

- Sport Arenas
- Public Sector Buildings
- Schools, Hospitals







Complete Biomass Solution for GreenHouse Heating including Interior Fans, Regulation and On-line Monitoring

Complete Mobile Container solution supply or individual Biomass Boiler solution supply
 Hot water / Hot air GreenHouse heating option
 Complete Hydraulic & Electric solution for multiple GreenHouses heating
 2-4 thermostats installation into each GreenHouse

■ Complete Monitoring and Regulation for all heating circuits ■ Remote Monitoring and Control over the Internet/GSM ■ Instant notification of working conditions alternation

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Internal Fans Design Options Ψ







Smart GreenHouse Heating Solution Application Options:

- GreenHouse Heating Hot-water/Hot-air /DHW preparation
- Poultry Farms Hot-water/Hot-air /DHW preparation
- Cattle Farms Hot-water Hot-water/Hot-air /DHW preparation
- Pig Farms Hot-water Hot-water/Hot-air /DHW preparation
- Fish Farms Hot-water/Hot-air /DHW preparation
- ZOO Hot-water/Hot-air /DHW preparation
- Material Drying Solutions & DHW preparation



for a complete Technology Unit

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ČSN-EN 303.5/2013 ISO 9001:2009

Efficiency 96 % Mobile phone control Internet control













HOW WE WORK WITH OUR CUSTOMERS Smart Heating Technology s.r.o.

- Evaluating current situation/state
- Processing technical solutions
- 3 Calculating expenses and returnability
- 4 Producing precisely
- Delivering and installing
- 6 Monitoring installation 24/7
- Servicing and maintaining periodically
- 8 Supplying fuel

We analyze properly

We manufacture made-to-measure

We look after our clients

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