



SMART HEATING TECHNOLOGY

Japan



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

MOBILE BIOMASS BOILER HOUSE SMART CABIN 150–500–1500 kW



for a complete Technology Unit

*Complete 5 year warranty conditions on request



Specification & Design ↑



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 x 3 x 12.6 m ~ 12 tons*

300–500 kW: 3,2 x 3 x 12.6 m ~ 15 tons*

*If an oil or LPG backup 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

Hydraulics & Chimney & Silo →



AUTOMATIC BIOMASS BOILERS SMART 150-500-1500 kW



**SMART HEATING
TECHNOLOGY**
Japan



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 P _n	kW	150	180	220	250	300	350	400	450	500	
Partial load (power) P _p	kW	40	45	55	65	75	90	100	115	140	
Boiler efficiency at P _n	%	95	95	95	95	95	95	95	95	95	
Boiler efficiency at P _p	%	96	96	96	96	96	96	96	96	96	
Boiler class		5	5	5	5	5	5	5	5	5	





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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





SMART HEATING TECHNOLOGY

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SMART GREENHOUSE HEATING SOLUTION

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

MOBILE BIOMASS BOILER HOUSE SMART CABIN 150-500-1500 kW



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Internal Fans Design Options ↓



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





SMART HEATING
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HOW WE WORK WITH OUR CUSTOMERS

Smart Heating Technology s.r.o.

- 1 Evaluating current situation/state
- 2 Processing technical solutions
- 3 Calculating expenses and returnability
- 4 Producing precisely
- 5 Delivering and installing
- 6 Monitoring installation 24/7
- 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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