



SMART HEATING
TECHNOLOGY

Purity to Nature
Savings to Clients
Comfort to Users



Pre-manufactured Biomass Boiler House

SMART BIO-HOUSE 150–500 kW

Galvanized structure design with PUR panels specification according to customer's requirements ▪ Hydraulic/Manual silo opening design ▪ Biomass boiler technology Smart 150–500 kW ▪ Oil/gas back up boiler possibility ▪ Complete wood chips & wood pellets silo solutions ▪ Complete flue gas ways and chimney supply ▪ Complete hydraulic installation supply ▪ Measuring and regulation system ▪ 96% burning efficiency ▪ Technical solution flexibility ▪ Final external design possibilities + special design features

PRE-MANUFACTURED BIOMASS BOILER HOUSE BIO-HOUSE 150-500 kW



for a complete Technology Unit

*Complete 5 year warranty conditions on request



Boiler House Design

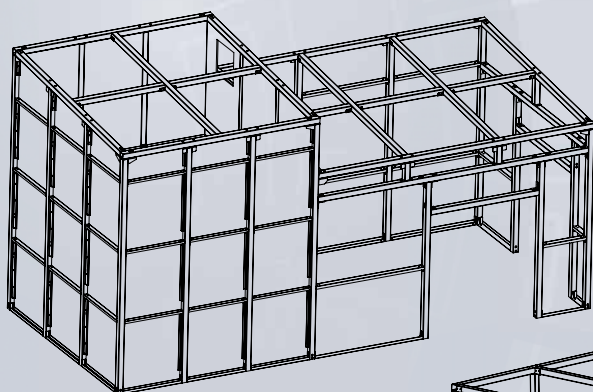


Boiler House Design with Silo



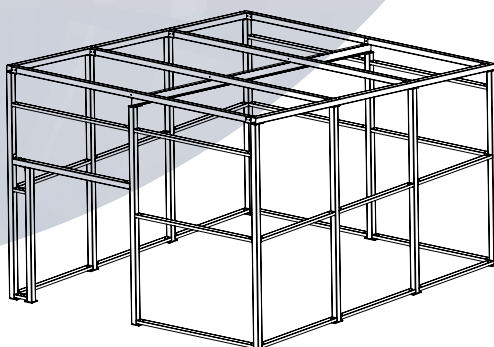
Special Boiler Houses Design

Specification & Design ↑↓



Boiler House Design with Silo

Boiler House Design



Pre-Manufactured Boiler House technical solution options:

- With / Without silo solution
- Left / Right Bio-House design
- Hydraulic / Manual roof for wood chip Boiler House design
- Glass / Metal doors design
- Special safety features
- External design according to special customer requirement

Minimum – Maximum dimensions of the BIO-HOUSE:

3 x 3 m – 9 x 9 m

Standard Colours Design Options:



RAL 3011



RAL 9002



RAL 5010



RAL 9006



RAL 6021



RAL 7016

Silo & Hydraulics & Installation →

In association with:

SIEMENS

GRUNDFOS

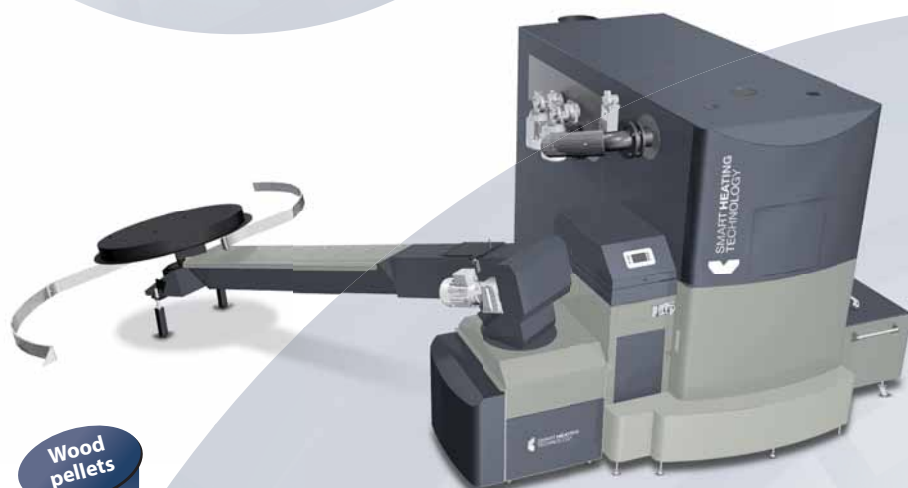


AUTOMATIC BIOMASS BOILERS SMART 150–500 kW



ČSN-EN 303.5 / 2013
ISO 9001:2009

Efficiency 96 %
Mobile phone control
Internet control



Wood pellets



Wood chips



Saw dust



TECHNICAL DATA OF SMART BOILERS		150	180	220	250	300	350	400	450	500
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





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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