



FU-WI WOOD PELLET BOILER

Wood pellet central heating

Fu-wi boiler 15kW to 100kW

Fu-wi have been manufacturing biomass boilers for more than 20 years in Poland. This range of wood pellet fuelled boilers is microprocessor controlled resulting in high efficiency and clean burning, yet are simple to operate.

Benefits of the Fu-wi boiler

- Good value for money unit including all the essentials you need in a pellet boiler
- Automatic ignition
- Highly efficient at 88% thermal efficiency
- Clean and convenient operation
- Hopper will hold a week's fuel for a typical home
- Electronic combustion control for low emissions
- Adjustable heat output for optimal operation

Applications

- Residential central heating, radiators and underfloor
- Potable hot water
- Swimming pools and hot tubs
- Ducted hot air systems
- Commercial and industrial heat loads

- Meets European standard EN303-5 1999



Construction and Operation

The boiler consists of a fuel feeder, combustion chamber, and heat exchanger. The fuel feeder dispenses pellets in measured amounts to the combustion chamber and the fuel is ignited electrically.

An electric fan directs air to the flame to control the rate of burning. The combustion chamber is of insulated heat-resistant steel and features an internal cast iron grate above a drawer ash pan for easy removal of ash from the chamber. The process is monitored in the combustion chamber by a photodiode measuring the brightness of the flame, for instant feedback to the controller.

Seamless tubes carry the combustion gases through the heat exchanger, made of 4mm and 6mm steel plate, to heat the water in the insulated boiler.

Safety:

- Safety cut-off to prevent boiler water overheating
- Operating temperature controls
- Fuel feeder temperature sensor
- Optional potable water temperature sensor
- Optional external temperature sensor
- Optional room temperature controls

Technical data of central heating boilers Fu-wi for pellets

Description		Boiler Type						
		15	22	30	44	55	80	100
Heat output	KW	15	22	30	44	55	80	100
Max. water temperature	OC	95						
Boiler water capacity	L	50	60	70	90	110	140	160
Boiler Wt	KG	140	190	245	320	370	420	460
Boiler dimensions (width/depth/height)	CM	31/85/131	35/85/131	40/85/131	48/110/155	52/110/155	56/110/165	60/110/165
Hopper dimensions (width/depth/height)	CM	41 / 74 / 131			80 / 87 / 155			
Hopper weight	KG	50			90			
Hopper capacity	KG	150			420			
Flue diameter	MM	140	140	160	180	220	250	180 x300
Diameter of connections	CAL	1 1/4	1 1/2	2				
Max working pressure	BAR	2						
Boiler efficiency	%	88			86			
Feeder power	W	15						
Fan power	W	40			80		180	
Igniter power	W	300						



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