

ORLIGNO 600

Hot air blower



Basic information

Available types [kW]

25

Fuel



Wood



Briquettes

Use



industrial buildings
workshops,
hangars, tents

Hot air heating – economical, easy and fast



Use

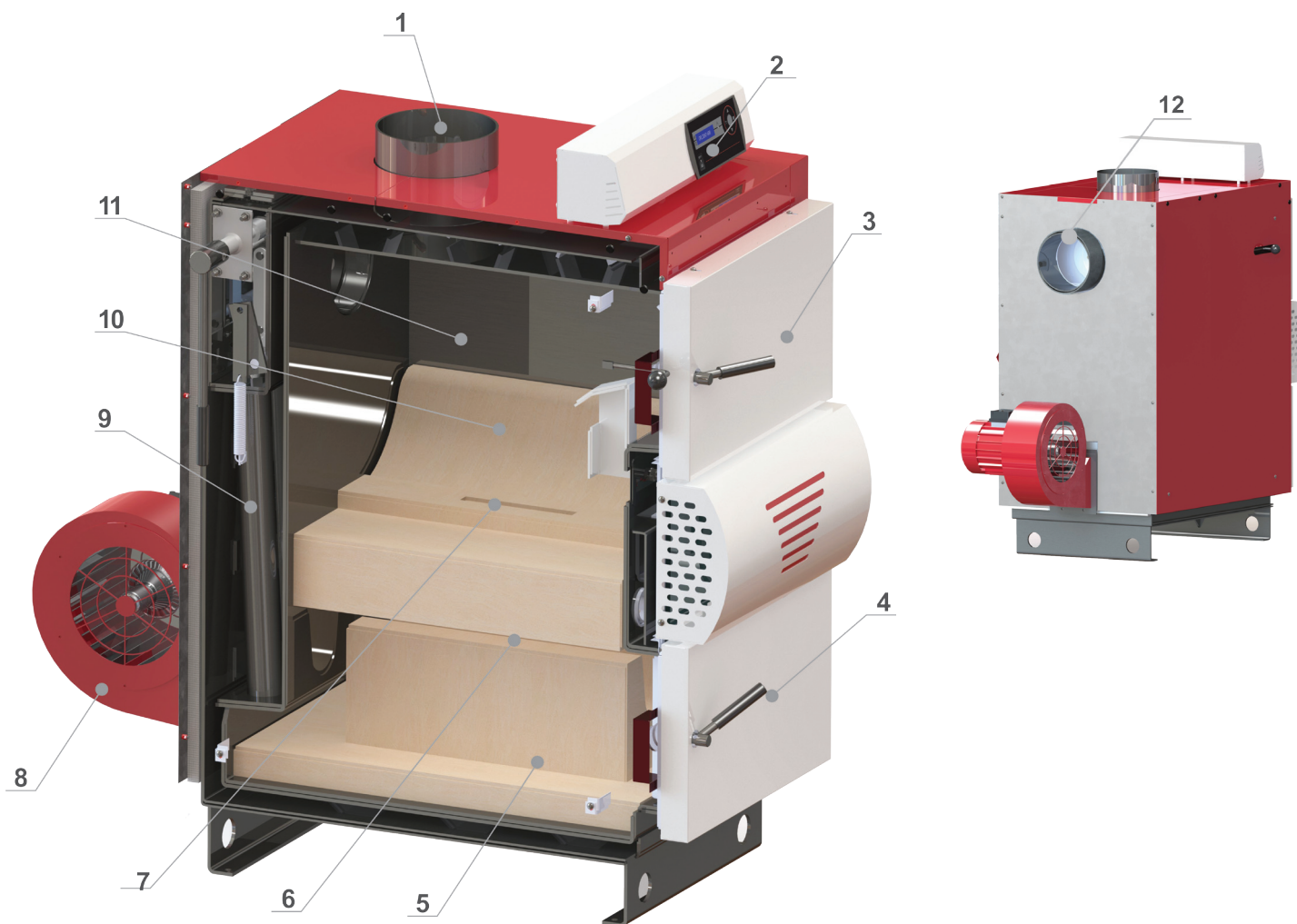
Based on the wood gasification process,Orlanski developed a hot air blower that produces warm air of up to 120°C.

The ORLIGNO 600 hot air blower has very high efficiency – giving 100% clean hot air ranging from 50°C to 120°C.

Wood gasification hot air blowers are commonly used in industrial buildings or other facilities as: warehouses, workshops, hangars, tents or outbuildings.

They're also used as a source of hot air in technological purposes in drying houses of wood, grains, herbs or fruits.

Construction of the wood gasification hot air blower



- 1. Hot air outlet
- 2. Boiler controller
- 3. Loading door
- 4. Combustion door
- 5. Firebricks

- 6. Combustion chamber
- 7. Nozzle
- 8. Hot air fan
- 9. Tube heat exchanger
- 10. Ceramic moulders

- 11. Loading (gasification) chamber
- 12. Chimney flue

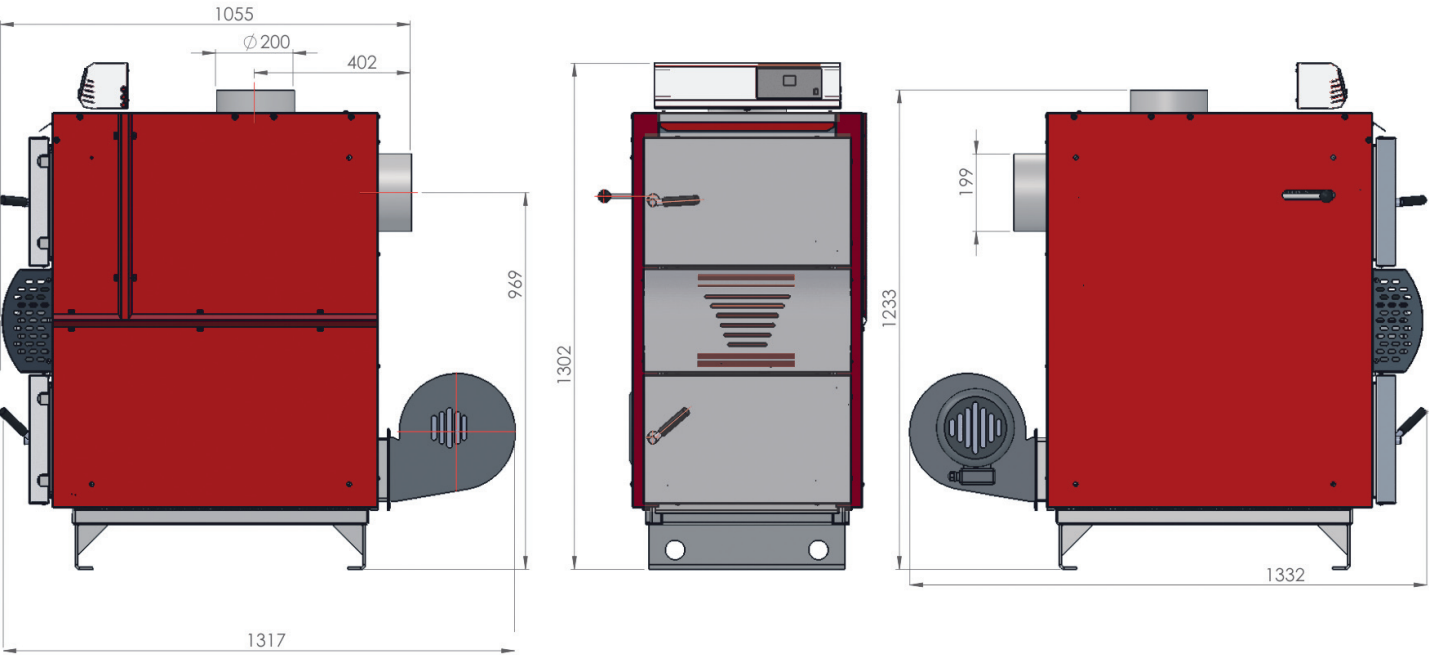
Boiler features

- ✓ Up to 90% efficient
- ✓ Low maintenance costs
- ✓ Easy to install (only chimney system needed)
- ✓ Small amount of ash residue
- ✓ Length of wooden blocks: 50cm
- ✓ Large loading capacity
- ✓ Up to 12 hours continuous operation
- ✓ Modulated fan power 30-100%
- ✓ Environmentally-friendly
- ✓ Made from the highest quality 6mm boiler steel

Technical data

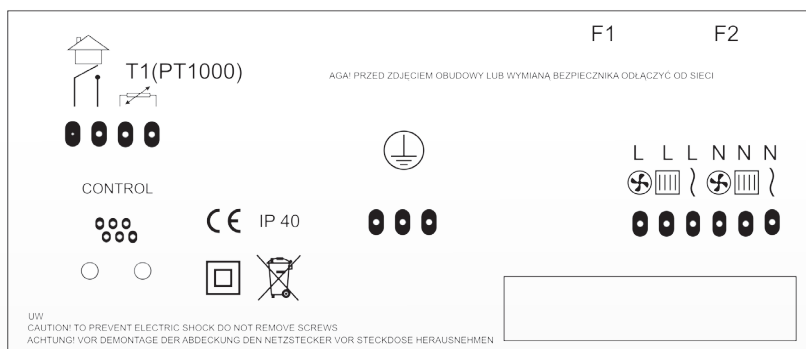
Technical data		
Parameters	Measured in	25 kW
Power range	kW	7,5 - 25
Efficiency	%	~90%
Water capacity	dm ³	75
Volume of loading chamber	dm ³	120
Loading hole width/lenght	mm	260/432
Burning period	h	up to 12
Length of wooden logs	cm	50
Humidity – recommended	%	15 - 25
Boiler weight	kg	540
Fuel usage for: nominal power	kg/h	6,5
Fumes temperature	°C	up to 230
Temperature settings range	°C	50 -120
Protection level		IP 40
Voltage/Frequency	V/Hz	230/50
Electric power usage	W	630

Dimensions



Controller

Hot air blower controller.



Controller features

The regulator fulfils the following tasks:

- ✓ Hot air range temperature: 50-120°C
- ✓ Blower hysteresis 0-9°C
- ✓ Modulation for front fan
- ✓ Front fan power range 30-100%
- ✓ Hot air blower activation range 40-120°C
- ✓ Extinguish time 0-45 minutes
- ✓ Blow through operation 0-90 seconds
- ✓ Blow through interval 1-60 minutes
- ✓ Hold up of front fan 30 seconds – 9 minutes
- ✓ Languages: Polish, English and German
- ✓ Room thermostat cooperation
- ✓ Emergency blower activation 125°C

