

WOOD PELLET BOILER

PelTec

12-48 kW

HEATING TECHNIQUE

Steel hot water boilers are engineered for wood pellet firing. In the boiler is installed the burner for wood pellet firing with the automatic firing and automatic self-cleaning function which enables the reliable operation also with the low quality wood pellets. The function of the automatic cleaning flue gas tubes provides the unifying exchange of the heat and high and unifying level of boiler efficiency. Multifunctional digital boiler controller in a basic version offers the possibility of modulating boiler operation and control the level of pellets in the tank. Inbuilt return flow protection ensures correct boiler operation also at the lower return flow temperatures. PelTec lambda is boiler version with factory inbuilt lambda probe for further optimization of the combustion process. The pellet tank is the integral part of the boiler. The boiler is delivered in sections for easier transport into the boiler room.



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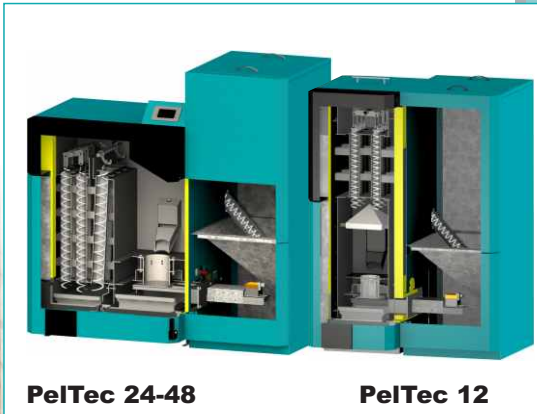
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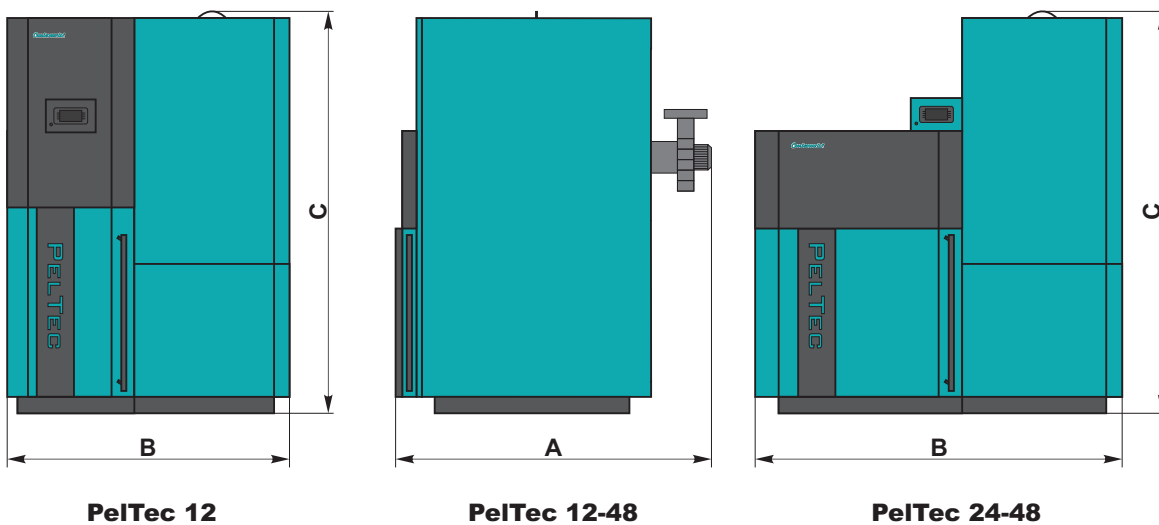
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CHARACTERISTIC OF THE BOILER PelTec:

- Hot water boiler for central heating systems, PelTec, with integrated pellet burner, nominal heat output 12, 18, 24, 36 and 48 kW.
- High boiler efficiency and low maintenance requirements.
- Low emission of harmful compounds in the flue gases.
- Modulating operation of the boiler (30% -100%).
- Automatic cleaning of the burner grid and flue passages.
- Flue gas temperature sensor and level sensor pellets in the tank.
- Integrated return flow protection with 4way mixing valve with actuator for direct heating or buffer (storage) tank systems (in systems with several heating circuits required hydraulic crossover).
- Multifunctional digital controller with touch screen controls the boiler and can conduct one direct heating circuit and one domestic hot water circuit.
- Emptying the ash box, after having spent 2-3 pellet tanks (400-600kg).
- Accessories: room thermostat, GSM alert status of boiler and pellet tank, automatic filling of pellet tank, work of the boiler with external controller ...
- PelTec lambda is a version of PelTec with factory inbuilt lambda probe.



BOILER DIMENSIONS



PelTec		12	18	24	36	48
Nominal heat output	(kW)	12	18	24	36	48
Heat output range	(kW)	3,6-12	5,4-18	7,2-24	10,8-36	14,4-48
Flue gas tube - outer diameter *	φ(mm)	130	150	150	160	160
Inlet / outlet	(R)	1"	1"	5/4"	5/4"	5/4"
Filling draining	(R)	1/2"	1/2"	1/2"	1/2"	1/2"
Max. operation temperature	(°C)	90	90	90	90	90
Max. operation pressure	(bar)	2,5	2,5	2,5	2,5	2,5
Pellet tank volume	(lit.)	340	340	340	340	340
A	(mm)	810	1050	1000	1000	1085
B	(mm)	1100	1185	1385	1465	1465
C	(mm)	1550	1550	1550	1550	1550

* chimney inside diameter has to be determined according to the boiler nominal heat output and the height of the chimney and almost always it has to be bigger than the flue gas exhaust tube diameter.

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