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ERATO-PELLEATHERM

45

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AUTOMATIC PELLET BOILER

ERATO PELLEATHERM 45 M

The hot water pellet boiler Erato Pelletherm 45 M is designed for heating purposes of small to medium range sized homes and offices. The fuel is wood chips with moisture up to 40% or pellets with diameter 6 – 14 mm as substitute.



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ADVANTAGES:

- Environment friendly;
- Regulating of the heat capacity in a wide range;
- High efficiency ;
- Automatic operation of the boiler controlled by room thermostat (7 days thermostat) ensures maximum comfort;
- Easy maintenance and high reliability;
- Unpretentious to the fuel quality;
- It is not necessary too big draught;
- Semi-automatic cleaning of the tube nest;
- Module construction allows easy installment;
- Possibility for right or left mounting of the burner and the intermediate hopper;
- Automatic fuel ignition and cleaning of the burner;
- Automatic chips feeding of the intermediate hopper from the main one and respectively pellets from the spare one;
- Possibility for burning fuels with high moisture degree and high ash content;
- Possibility for ash taking away from the combustion chamber – option.

MAIN TECHNICAL DATA :

Parameter		Dimension		
Nominal thermal capacity		45	kW	
Operating thermal range		30-45	kW	
Regime of operation		90°C / 70°C (supply/return)		
Fuel	Main fuel	Wood chips		
	Substitute fuel	Wood pellets; dried fruit nuts – cherries, plums, apricots etc.; Mixture of pellets and nuts		
Moisture of the used wood chips		Wood chips with moisture 15-40%		
Pellets categories (according to Erato's pellet index rating)		A, AB, B, BC, C, CD, D, DE		
Fuel consumption	Wood chips with moisture 35%	At nominal output	19.2	kg/h wood chips
		In the installation	12.8	
		At nominal output	10.5	kg/h wood pellets
		In the installation	7.3	
Residue of the combustion process		Ash	Depending on the fuel ash content	
Fuel tank (intermediate) capacity		150	dm ³	
		36	kg wood chips	
Efficiency		88	%	
Flue gas temperature		160-190	°C	
Maximal temperature of the circulating water in the heat exchanger		90	°C	
Weight		560	kg	
Dimensions:		Length	1170	mm
		Height	1780	mm
		Width	1760	mm

