

ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1189 AND ECOLABEL REQUIREMENTS FOR SOLID FUEL BOILERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1187

THERMOROSSI – COMPACT 13 CLASS 5

Stoking mode: Automatic: it is recommended that the boiler be operated with a hot water storage tank of a volume of at least 250 litres (**)

Condensing boiler: no

Solid fuel cogeneration boiler: no

Combination boiler: no

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s [%]:	Seasonal space heating emissions			
				PM	OGC	CO	NO _x
				mg/m ³ at 10%O ₂			
Log wood, moisture content ≤ 25 %	no	no					
Chipped wood, moisture content 15-35 %	no	no					
Chipped wood, moisture content > 35 %	no	no					
Compressed wood in the form of pellets or briquettes	yes	no	78	19	10	439	134
Sawdust, moisture content ≤ 50 %	no	no					
Other woody biomass	no	no					
Non-woody biomass	no	no					
Bituminous coal	no	no					
Brown coal (including briquettes)	no	no					
Coke	no	no					
Anthracite	no	no					
Blended fossil fuel briquettes	no	no					
Other fossil fuel	no	no					
Blended biomass (30-70 %)/fossil fuel briquettes	no	no					
Other blend of biomass and fossil fuel	no	no					

(**) Tank volume = 20 x P_r with P_r indicated in kW

Characteristics when operating with the preferred fuel only:

Seasonal space heating energy efficiency η_s [%]: **78**

Energy efficiency index EEI: **115**

Energy efficiency class: **A+**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful heat output				Useful efficiency (GCV as received)			
At rated heat output	P_n	12,5	kW	At rated heat output	η_n	83,9	%
At [30 %/50 %] of rated heat output, if applicable	P_p	3,7	kW	At [30 %/50 %] of rated heat output, if applicable	η_p	82,4	%
For solid fuel cogeneration boilers: Electrical efficiency				Auxiliary electricity consumption			
At rated heat output	$\eta_{el,n}$	N.A.	%	At rated heat output	$e_{l,max}$	0,042	kW
				At [30 %/50 %] of rated heat output, if applicable	$e_{l,min}$	0,029	kW
				Of incorporated secondary emission abatement equipment, if applicable		N.A.	kW
				In standby mode	P_{SB}	0,003	kW

Contact details	Name and address of the manufacturer or its authorized representative.
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