

## ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 AND ECOLABEL REQUIREMENTS FOR SOLID FUEL BOILERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1186

**THERMOROSSI – PIDRA 18**

**Indirect heating functionality: YES**

**Direct heat output: 4,0 kW (space heat output)**

**Indirect heat output: 13,8 kW (water heat output)**

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	$\eta_s$ [%]:	Space heating emissions at nominal heat output(*)				Space heating emissions at minimum heat output(*)(**)					
				PM	OGC	CO	NOx	PM	OGC	CO	NOx		
				mg/m <sup>3</sup> at 13%O <sub>2</sub>				mg/m <sup>3</sup> at 13%O <sub>2</sub>					
Log wood, moisture content ≤ 25 %	no	no											
Compressed wood with moisture content < 12 %	yes	no	<b>85,2</b>	<b>9</b>	<b>2</b>	<b>53</b>	<b>122</b>						
Other woody biomass	no	no											
Non-woody biomass	no	no											
Anthracite and dry steam coal	no	no											
Hard coke	no	no											
Low temperature coke	no	no											
Bituminous coal	no	no											
Lignite briquettes	no	no											
Peat briquettes	no	no											
Blended fossil fuel briquettes	no	no											
Other fossil fuel	no	no											
Blended biomass and fossil fuel briquettes	no	no											
Other blend of biomass and solid fuel	no	no											

**Characteristics when operating with the preferred fuel only:**

Seasonal space heating energy efficiency  $\eta_s$  [%]: **85,2**

Energy efficiency index EEI: **128**

Energy efficiency class: **A+**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Heat output</b>				<b>Useful efficiency (NCV as received)</b>			
Nominal heat output	$P_{nom}$	<b>17,8</b>	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	<b>95,6</b>	%
Minimum heat output (indicative)	$P_{min}$		kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$		%
<b>Auxiliary electricity consumption</b>				<b>Type of heat output/room temperature control (select one)</b>			
At nominal heat output	$e_{l,max}$	<b>0,045</b>	kW	single stage heat output, no room temperature control		<b>NO</b>	
At minimum heat output	$e_{l,min}$		kW	two or more manual stages, no room temperature control		<b>NO</b>	
In standby mode	$e_{l,SB}$	<b>0,003</b>	kW	with mechanic thermostat room temperature control		<b>NO</b>	
<b>Permanent pilot flame power requirement</b>				with electronic room temperature control		<b>NO</b>	
Pilot flame power requirement (if applicable)	$P_{pilot}$	<b>N.A.</b>	kW	with electronic room temperature control plus day timer		<b>NO</b>	
				<b>Other control options (multiple selections possible)</b>			
				room temperature control, with presence detection		<b>NO</b>	
				room temperature control, with open window detection		<b>NO</b>	
				with distance control option		<b>NO</b>	

Contact details	Name and address of the manufacturer or its authorized representative.
Tel. +39 0445 741310 www.thermorossi.com info@thermorossi.it	Manufacturer: THERMOROSSI SPA Via Grumolo 4 36011 Arsiero (VI) – ITALY

(\* PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NO<sub>x</sub> = nitrogen oxides

(\*\*) Only required if correction factors F(2) or F(3) are applied.

Issue date: February 8, 2022

Head of Test Laboratory  
Dr.ssa Claudia Marcuzzi