



**ECODESIGN REQUIREMENTS FOR SOLID FUEL LOCAL SPACE HEATERS  
ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 IMPLEMENTING DIRECTIVE  
2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

<b>Model Identifier(s):</b>	<b>ARDHEA EVO5 , ARDHEA-F EVO5</b>
<b>Indirect heating functionality:</b>	<b>yes</b>
<b>Direct heat output:</b>	<b>4,1</b>
<b>Indirect heat output:</b>	<b>11,0</b>

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	NO <sub>x</sub>	PM	OGC	CO	NO <sub>x</sub>
				mg/Nm <sup>3</sup> (13%O <sub>2</sub> )				mg/Nm <sup>3</sup> (13%O <sub>2</sub> )			
Wood logs with moisture content ≤ 25 %	yes	no	82,2	22	17	79	98	n.p.	n.p.	n.p.	n.p.
Compressed wood with moisture content < 12 %	no	no									
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:**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Heat output</b>				<b>Useful efficiency (NCV as received)</b>			
Nominal heat output	$P_{nom}$	15,1	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	92,2	%
Minimum heat output (indicative)	$P_{min}$	N.A.	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	N.A.	%
<b>Auxiliary electricity consumption</b>				<b>Type of heat output/room temperature control (select one)</b>			
At nominal heat output	$el_{max}$	n.p.	kW	single stage heat output, no room temperature control		no	
At minimum heat output	$el_{min}$	n.p.	kW	two or more manual stages, no room temperature control		no	
In standby mode	$el_{SB}$	n.p.	kW	with mechanic thermostat room temperature control		no	
<b>Permanent pilot flame power requirement</b>				with electronic room temperature control		no	
Pilot flame power requirement (if applicable)	$P_{pilot}$	n.p.	kW	with electronic room temperature control plus day timer		no	
				with electronic room temperature control plus week timer		no	
				<b>Other control options (multiple selections possible)</b>			
				room temperature control, with presence detector		no	
				room temperature control, with open window detection		no	
				with distance control option		no	

Contact details	Name and address of the manufacturer or its authorised representative
+39 0445 741310 +39 0445 741657 info@thermorossi.it www.thermorossi.com	<b>THERMOROSSI S.p.A.</b> Via Grumulo, 4 - 36011 Arsiero (VI) - IT

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

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

**Note:**

F(2)	0
F(3)	0

Technical report reference      2005121

Approved by  
**Maurizio Lorenzon**  
Lab manager


