

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

AD METAL INDUSTRY ALFA PLAM
COMMO 12

Indirect heating functionality: YES

Direct heat output: 10,4 kW (space heat output)

Indirect heat output: 11,9 kW (water heat output)

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_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 ³ at 13%O ₂				mg/m ³ at 13%O ₂				
Log wood, moisture content ≤ 25 %	no	no										
Compressed wood with moisture content < 12 %	yes	yes	92,0	13	7	107	108	10	10	289	91	
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 η_s [%]: **92,0**

Energy efficiency index EEI: **135**

Energy efficiency class: **A++**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heat output				Useful efficiency (NCV as received)			
Nominal heat output	P_{nom}	11,9	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	96,5	%
Minimum heat output (indicative)	P_{min}	3,8	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	97,0	%
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)			
At nominal heat output	$e_{l,max}$	0,112	kW	single stage heat output, no room temperature control		NO	
At minimum heat output	$e_{l,min}$	0,054	kW	two or more manual stages, no room temperature control		NO	
In standby mode	$e_{l,SB}$	0,003	kW	with mechanic thermostat room temperature control		NO	
Permanent pilot flame power requirement				with electronic room temperature control		NO	
Pilot flame power requirement (if applicable)	P_{pilot}	N.A.	kW	with electronic room temperature control plus day timer		NO	
				with electronic room temperature control plus week timer		YES	
				Other control options (multiple selections possible)			
				room temperature control, with presence detection		NO	
				room temperature control, with open window detection		NO	
				with distance control option		NO	
Contact details	Name and address of the manufacturer or its authorized representative.						
Tel. +381(0)17/421-121 Fax +381(0)17/424-808 www.alfaplam.rs firma@alfaplam.rs	Manufacturer: AD METAL INDUSTRY ALFA PLAM Radnicka 1 17500 VRANJE SERBIA						

(*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NO_x = nitrogen oxides

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

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