

Manufacturer LAMINOX  
Type JESSICA  
Model NATURAL

Test report No. -----

Date

Attachment No. A 26

Test engineer

Technical data of the wood pellet stove:		JESSICA NATURAL	
		Nominal heat output	Reduced heat output
Fuel		Wood pellet	Wood pellet
Mass of fuel hourly	kg/h	1,9	0,6
Necessary flue draught	Pa	12	10
Flue gas temperature	°C	273	131
Flue gas temperature at flue spigot/socket	°C	341	154
Flue gas mass flow	g/s	4,5	3,3
CO emission at 13% O <sub>2</sub>	%	0,004	0,027
	mg/Nm <sup>3</sup>	44	332
DUST emission at 13% O <sub>2</sub>	mg/Nm <sup>3</sup>	4	-----
OGC emission at 13% O <sub>2</sub>	mg/Nm <sup>3</sup>	4	-----
NO <sub>x</sub> emission at 13% O <sub>2</sub>	mg/Nm <sup>3</sup>	108	-----
Efficiency	%	85,5	86,5
Total heating output	kW	7,5	2,5
Water heating output	kW	-----	-----
Space heating output	kW	-----	-----
Water operating pressure	bar	-----	-----
Maximum water operating pressure	bar	-----	-----
Discharge control operating temperature	°C	-----	-----
Electrical power supply	W	-----	-----
Rated voltage	V	-----	-----
Rated frequency	Hz	-----	-----
Appliance provided with a protection tool:		-----	-----
The appliance can be connected to a share chimney:		-----	No

Fuels used					
Definition	Notation	Unit	All tests		
Test fuel			Wood pellet		
Analysis report N°			SF-014844.001		
			Measurement		Allowed (EN standard)
			db	ar	
Diameter		mm	6		4 ÷ 10 mm
Lenght		mm	≤ 30		≤ 50 mm
Moisture content	W	%	-----	8,5	≤ 12 %
Sulfur content	S	%	0,02	0,02	< 0,1 %
Azote content	N	%	0,07	0,06	-----
Carbon content	C	%	50,2	46,0	40 ÷ 50 %
Hydrogen content	H	%	5,68	5,20	5 ÷ 6,5 %
Oxygen content	O	%	43,7	39,9	-----
Net lower calorific value	H <sub>u</sub>	kJ/kg	18999	-----	-----
Net lower calorific value	H <sub>uw</sub>	kJ/kg	-----	17176	16900 ÷ 19500 kJ/kg
Ash content		%	-----	-----	≤ 0,7 % without bark
		%	0,33	0,30	≤ 2,0 % with bark
Volatile matter (daf)		%	85,7		80 ÷ 88 %