

Models	SATURNO 16
Intended use of the product:	Mechanically fed inset fitted with a boiler burning wood pellets
Manufacturer	Cadel srl - Via Martiri della Libertà, 74 - 31025 S. Lucia di Piave (TV) - Italia
Mark	CADEL
AVCP system	System 3
Notified body	NB 0051
Test report number	CS20-0054582-01
Harmonised technical specification	EN 14785:2006

ESSENTIAL CHARACTERISTICS

Stability and mechanical resistance	Load bearing capacity	20 kg	
Fire safety - protection of combustible materials	Minimum distance to combustible materials - bottom (dB)	0 mm	
	Minimum distance to combustible materials - front floor (dF)	1500 mm	
	Minimum distance to combustible materials - ceiling (dC)	750 mm	
	Minimum distance to combustible materials - rear (dR)	220 mm	
	Minimum distance to combustible materials - side (dS)	70 mm	
	Minimum distance to combustible materials - lateral radiation (dL)	1500 mm	
	Minimum distance to combustible materials - frontal radiation (dP)	2000 mm	
	Thickness of protective insulating material	30 mm	
	Thermal conductivity of protective insulating material (λ_d)	/	
	Flue temperature class	T200G	
Performance - Emissions	No	Nominal power	Potenza ridotta
	Carbon monoxide emissions (CO at 13% O2)	111 mg/Nm ³	275 mg/Nm ³
	Emission of nitrogen oxides (NOX at 13% O2)	114 mg/Nm ³	84 mg/Nm ³
	Emission of organic gaseous compounds (OGC at 13% O2)	2 mg/Nm ³	4 mg/Nm ³
	Particulate matter emissions (PM at 13% O2)	12 mg/Nm ³	19 mg/Nm ³
Performance - Power and efficiency	Heating power to the environment	18 kW	5.8 kW
	Heating power to the water	13 kW	3,8 kW
	Efficiency - Useful efficiency	94 %	95 %
Safe and accessible use - chimney installation data	Flue gas outlet temperature	116 °C	64 °C
	Minimum flue draught	12 Pa	2 Pa
	Flue gas mass flow	13.2 g/sec	6.5 g/sec
Energy efficiency index	Seasonal energy efficiency	90 η_s [%]	
	Energy efficiency index	132	
	Energy efficiency class (A++ / G scale)	A++	
	Electrical consumption at nominal heat output	125 W	
	Electrical consumption at partial load heat output	85 W	
	Electrical consumption in standby mode	1.2 W	
Sustainable use of natural resources	Environmental sustainability information	NPD	

The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the responsibility of the manufacturer identified above.

Santa Lucia di Piave, 13/10/20

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