

INFORMATION REQUIREMENTS FOR SOLID FUEL LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATIONS (EU) 2015/1185 - (EU) 2015/1186 (PRODUCT FICHE)

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
Trade mark	CADEL
AVCP system	System 3
Notified body	NB 0051
Test report number	CS20-0054582-01
Harmonised technical specification	EN 14785:2006

ESSENTIAL CHARACTERISTICS

Fuel	Log wood, moisture content $\leq 25\%$	No			
	Compressed wood with moisture content $< 12\%$	Yes			
Type of heat output/room temperature control (select one)	Single stage heat output, no room temperature control	No			
	Two or more manual stages, no room temperature control	No			
	With mechanic thermostat room temperature control	No			
	With electronic room temperature control	No			
	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	Yes			
Performance - Emissions	No	Symbol		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O ₂)	CO _{nom}	CO _{part}	111 mg/Nm ³	275 mg/Nm ³
	Emission of nitrogen oxides (NO _x at 13% O ₂)	NO _{xnom}	NO _{xpart}	114 mg/Nm ³	84 mg/Nm ³
	Emission of organic gaseous compounds (OGC at 13% O ₂)	OGC _{nom}	OGC _{part}	2 mg/Nm ³	4 mg/Nm ³
	Particulate matter emissions (PM at 13% O ₂)	PM _{nom}	PM _{part}	12 mg/Nm ³	19 mg/Nm ³
Performance - Power and efficiency	Heating power to the environment	P _{nom}	P _{part}	18 kW	5.8 kW
	Heating power to the water	P _{wnom}	P _{wpart}	13 kW	3,8 kW
	Efficiency - Useful efficiency	η_{nom}	η_{part}	94 %	95 %
Safe and accessible use - chimney installation data	Flue gas outlet temperature	T _{snom}	T _{spart}	116 °C	64 °C
	Minimum flue draught	p _{nom}	p _{part}	12 Pa	2 Pa
	Flue gas mass flow	$\phi_{f,g nom}$	$\phi_{f,g part}$	13.2 g/sec	6.5 g/sec
Space heating efficiency	Seasonal energy efficiency	η_s	90 η_s [%]		
	Energy efficiency index	EEI	132		
	Energy efficiency class (A++ / G scale)	-	A++		
Auxiliary electricity consumption	Electrical consumption at nominal heat output	e _{lmax}	0.125 kW		
	Electrical consumption at partial load heat output	e _{lmin}	0.085 kW		
	Electrical consumption in standby mode	e _{lSB}	0.001 kW		

Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product, and the national and local rules in force

CADEL S.r.l.
Via Martiri della Libertà, 74
31025 SANTA LUCIA DI PIAVE (TV)
Tel. 0438 1520200 - Fax 0438.73343
Partita IVA 03202180265
R.E.A. TV 227665 - Reg. Soc. Trib. TV 189948

Santa Lucia di Piave, 13/10/20

Dassie Roberto (R&D Manager)