CADEL

DECLARATION OF PERFORMANCE according to Regulation (EU) No 305/2011

Nr. DoP:0168-05

Models	PRINCE 11 K1
Intended use of the product:	Residencial space heating appliance fired by 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	CS26-0134314-01
Harmonised technical specification	EN 16510-1:2022 / EN 16510-2-6:2022

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)	400 mm	
	Minimum distance to combustible materials - ceiling (dC)	750 mm	
	Minimum distance to combustible materials - rear (dR)	200 mm	
	Minimum distance to combustible materials - side (dS)	300 mm	
	Minimum distance to combustible materials - lateral radiation (dL)	500 mm	
	Minimum distance to combustible materials - frontal radiation (dP)	1000 mm	
	Thickness of protective insulating material	/	
	Thermal conductivity of protective insulating material (λd)	/	
	Flue temperature class	T200G	
Performance - Emissions		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O2)	159 mg/Nm³	230 mg/Nm³
	Emission of nitrogen oxides (NOX at 13% O2)	100 mg/Nm³	130 mg/Nm³
	Emission of organic gaseous compounds (OGC at 13% O2)	1 mg/Nm³	3 mg/Nm³
	Particulate matter emissions (PM at 13% O2)	7 mg/Nm³	20 mg/Nm³
Performance - Power and efficiency	Heating power to the environment	10,5 kW	3,3 kW
	Heating power to the water	/	/
	Efficiency - Useful efficiency	91 %	91 %
Safe and accessible use - chimney installation data	Flue gas outlet temperature	161 °C	97 °C
	Flue gas mass flow	6,7 g/sec	3,5 g/sec
	Draught	11 Pa	10 Pa
	Draught for chimney sizing calculation (EN13384-1)	2 Pa	
Energy efficiency index	Seasonal energy efficiency	87 ηs [%]	
	Energy efficiency index	128	
	Energy efficiency class (A++ / G scale)	A+	
	Electrical consumption at nominal heat output	110 W	
	Electrical consumption at partial load heat output	18 W	
	Electrical consumption in standby mode	2,0 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.

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Santa Lucia di Piave, 19/05/26

Dassie Roberto (R&D Manager)