

Models	DUKE 12 T2
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	FREEPOINT
AVCP system	System 3
Notified body	NB 0051
Test report number	CS25-0121447-01
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)	600 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)	100 mm	
	Minimum distance to combustible materials - frontal radiation (dP)	1000 mm	
	Thickness of protective insulating material	/	
	Thermal conductivity of protective insulating material (λ_d)	/	
	Flue temperature class	T200G	
Performance - Emissions		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O ₂)	125 mg/Nm ³	140 mg/Nm ³
	Emission of nitrogen oxides (NOX at 13% O ₂)	99 mg/Nm ³	120 mg/Nm ³
	Emission of organic gaseous compounds (OGC at 13% O ₂)	2 mg/Nm ³	10 mg/Nm ³
	Particulate matter emissions (PM at 13% O ₂)	15 mg/Nm ³	17 mg/Nm ³
Performance - Power and efficiency	Heating power to the environment	12,0 kW	3,7 kW
	Heating power to the water	/	/
	Efficiency - Useful efficiency	89 %	90 %
Safe and accessible use - chimney installation data	Flue gas outlet temperature	204 °C	107 °C
	Flue gas mass flow	8,8 g/sec	5,7 g/sec
	Draught	12 Pa	11 Pa
	Draught for chimney sizing calculation (EN13384-1)	2 Pa	
Energy efficiency index	Seasonal energy efficiency	84 η_s [%]	
	Energy efficiency index	124	
	Energy efficiency class (A++ / G scale)	A+	
	Electrical consumption at nominal heat output	152 W	
	Electrical consumption at partial load heat output	63 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.

Santa Lucia di Piave, 09/09/25

Dassie Roberto (R&D Manager)

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