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

Nr. DoP:0171-01

Models	MIRA 22 T2
Intended use of the product:	Mechanically fed roomheater fitted with a boiler burning wood pellets
Manufacturer	Cadel srl - Via Martiri della Libertà, 74 - 31025 S. Lucia di Piave (TV) - Italia
Mark	PEGASO
AVCP system	System 3
Notified body	NB 0476
Test report number	2013634
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)	12 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)	200 mm	
	Minimum distance to combustible materials - side (dS)	200 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	/	
	Thermal conductivity of protective insulating material (λd)	/	
	Flue temperature class	T200G	
Performance - Emissions		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O2)	136 mg/Nm³	150 mg/Nm³
	Emission of nitrogen oxides (NOX at 13% O2)	99 mg/Nm³	94 mg/Nm³
	Emission of organic gaseous compounds (OGC at 13% O2)	2 mg/Nm³	3 mg/Nm³
	Particulate matter emissions (PM at 13% O2)	14 mg/Nm³	18 mg/Nm³
Performance - Power and efficiency	Heating power to the environment	22,4 kW	4,9 kW
	Heating power to the water	18,0 kW	3,4 kW
	Efficiency - Useful efficiency	92 %	96 %
Safe and accessible use - chimney installation data	Flue gas outlet temperature	183 °C	66 °C
	Flue gas mass flow	12,1 g/sec	4,5 g/sec
	Draught	10 Pa	5 Pa
	Draught for chimney sizing calculation (EN13384-1)	2 Pa	
Energy efficiency index	Seasonal energy efficiency	89 ηs [%]	
	Energy efficiency index	130	
	Energy efficiency class (A++ / G scale)	A++	
	Electrical consumption at nominal heat output	117 W	
	Electrical consumption at partial load heat output	76 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, 02/03/26

Dassie Roberto (R&D Manager)