

Models	ARCO 7 T1
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 1880
Test report number	1880-CPR-040TR-23
Harmonised technical specification	EN 16510-1:2022 / EN 16510-2-6:2022

**ESSENTIAL CHARACTERISTICS**

<b>Stability and mechanical resistance</b>	Load bearing capacity	20 kg	
<b>Fire safety - protection of combustible materials</b>	Minimum distance to combustible materials - bottom (dB)	0 mm	
	Minimum distance to combustible materials - front floor (dF)	0 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)	100 mm	
	Minimum distance to combustible materials - lateral radiation (dL)	0 mm	
	Minimum distance to combustible materials - frontal radiation (dP)	700 mm	
	Thickness of protective insulating material	/	
	Thermal conductivity of protective insulating material ( $\lambda_d$ )	/	
	Flue temperature class	T400G	
<b>Performance - Emissions</b>		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O <sub>2</sub> )	125 mg/Nm <sup>3</sup>	140 mg/Nm <sup>3</sup>
	Emission of nitrogen oxides (NOX at 13% O <sub>2</sub> )	120 mg/Nm <sup>3</sup>	133 mg/Nm <sup>3</sup>
	Emission of organic gaseous compounds (OGC at 13% O <sub>2</sub> )	4 mg/Nm <sup>3</sup>	3 mg/Nm <sup>3</sup>
	Particulate matter emissions (PM at 13% O <sub>2</sub> )	14 mg/Nm <sup>3</sup>	14 mg/Nm <sup>3</sup>
<b>Performance - Power and efficiency</b>	Heating power to the environment	7,4 kW	3,3 kW
	Heating power to the water	/	/
	Efficiency - Useful efficiency	90 %	91 %
<b>Safe and accessible use - chimney installation data</b>	Flue gas outlet temperature	207 °C	137 °C
	Draught for chimney sizing calculation (EN13384-1)	11 Pa	2 Pa
	Flue gas mass flow	3,8 g/sec	3,5 g/sec
<b>Energy efficiency index</b>	Seasonal energy efficiency	87 ηs [%]	
	Energy efficiency index	127	
	Energy efficiency class (A++ / G scale)	A+	
	Electrical consumption at nominal heat output	100 W	
	Electrical consumption at partial load heat output	20 W	
	Electrical consumption in standby mode	0,8 W	
<b>Sustainable use of natural resources</b>	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, 22/09/25

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