

Models	RIVER IDRO 16 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	CADEL
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

<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)	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 ( $\lambda_d$ )	/	
	Flue temperature class	T200G	
<b>Performance - Emissions</b>		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O <sub>2</sub> )	100 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>
	Emission of nitrogen oxides (NOX at 13% O <sub>2</sub> )	95 mg/Nm <sup>3</sup>	94 mg/Nm <sup>3</sup>
	Emission of organic gaseous compounds (OGC at 13% O <sub>2</sub> )	2 mg/Nm <sup>3</sup>	3 mg/Nm <sup>3</sup>
	Particulate matter emissions (PM at 13% O <sub>2</sub> )	13 mg/Nm <sup>3</sup>	18 mg/Nm <sup>3</sup>
<b>Performance - Power and efficiency</b>	Heating power to the environment	16,1 kW	4,9 kW
	Heating power to the water	12,9 kW	3,4 kW
	Efficiency - Useful efficiency	93 %	96 %
<b>Safe and accessible use - chimney installation data</b>	Flue gas outlet temperature	139 °C	66 °C
	Draught for chimney sizing calculation (EN13384-1)	10 Pa	2 Pa
	Flue gas mass flow	9,8 g/sec	4,5 g/sec
<b>Energy efficiency index</b>	Seasonal energy efficiency	90 $\eta_s$ [%]	
	Energy efficiency index	132	
	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	
<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, 02/03/26

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