

Models	RIVER IDROTECH 18 T1
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 0051
Test report number	CS25-0124723-01
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)	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 (λ_d)	/	
	Flue temperature class	T200G	
Performance - Emissions		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O ₂)	106 mg/Nm ³	209 mg/Nm ³
	Emission of nitrogen oxides (NOX at 13% O ₂)	99 mg/Nm ³	100 mg/Nm ³
	Emission of organic gaseous compounds (OGC at 13% O ₂)	2 mg/Nm ³	6 mg/Nm ³
	Particulate matter emissions (PM at 13% O ₂)	10 mg/Nm ³	12 mg/Nm ³
Performance - Power and efficiency	Heating power to the environment	17,7 kW	4,4 kW
	Heating power to the water	12,7 kW	2,3 kW
	Efficiency - Useful efficiency	95 %	96 %
Safe and accessible use - chimney installation data	Flue gas outlet temperature	144 °C	77 °C
	Draught for chimney sizing calculation (EN13384-1)	11 Pa	2 Pa
	Flue gas mass flow	10,6 g/sec	5,4 g/sec
Energy efficiency index	Seasonal energy efficiency	91 ηs [%]	
	Energy efficiency index	133	
	Energy efficiency class (A++ / G scale)	A++	
	Electrical consumption at nominal heat output	126 W	
	Electrical consumption at partial load heat output	65 W	
	Electrical consumption in standby mode	5,1 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, 13/01/26

CADEL s.r.l.
Via Martiri della Libertà, 74
31025 SANTA LUCIA DI PIAVE (TV)
Tel. 0438 1520200 - Fax 0438 73344
Partita IVA 01682102278 - 0206
R.E.A. TV 227665 - Reg. Soc. Trib. TV 189949

Dassie Roberto (R&D Manager)