

INFORMATION REQUIREMENTS FOR SOLID FUEL LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATIONS (EU) 2015/1185 - (EU) 2015/1186 (PRODUCT FICHE)

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
Trade 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

Fuel	Log wood, moisture content $\leq 25\%$			No	
	Compressed wood with moisture content $< 12\%$			Yes	
Type of heat output/room temperature control (select one)	Single stage heat output, no room temperature control			No	
	Two or more manual stages, no room temperature control			No	
	With mechanic thermostat room temperature control			No	
	With electronic room temperature control			No	
	With electronic room temperature control plus day timer			No	
	With electronic room temperature control plus week timer			Yes	
Other control options (multiple selections possible)	Room temperature control, with presence detection			No	
	Room temperature control, with open window detection			No	
	With distance control option			Yes	
Performance - Emissions	No	Symbol		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O ₂)	CO _{nom}	CO _{part}	125 mg/Nm ³	140 mg/Nm ³
	Emission of nitrogen oxides (NOX at 13% O ₂)	NO _{xnom}	NO _{xpart}	99 mg/Nm ³	120 mg/Nm ³
	Emission of organic gaseous compounds (OGC at 13% O ₂)	OGC _{nom}	OGC _{part}	2 mg/Nm ³	10 mg/Nm ³
	Particulate matter emissions (PM at 13% O ₂)	PM _{nom}	PM _{part}	15 mg/Nm ³	17 mg/Nm ³
Performance - Power and efficiency	Heating power to the environment	P _{nom}	P _{part}	12,0 kW	3,7 kW
	Heating power to the water	P _{wnom}	P _{wpart}	/	/
	Efficiency - Useful efficiency	η_{nom}	η_{part}	89 %	90 %
Space heating efficiency	Seasonal energy efficiency	η_s	84 η_s [%]		
	Energy efficiency index	EEI	124		
	Energy efficiency class (A++ / G scale)	-	A+		
Auxiliary electricity consumption	Electrical consumption at nominal heat output	e _{lmax}	0.152 kW		
	Electrical consumption at partial load heat output	e _{lmin}	0.063 kW		
	Electrical consumption in standby mode	e _{ISB}	0.002 kW		
Sealed Chamber	Appliance Type (tightness)	Type	CC50		

Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product, and the national and local rules in force

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