

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

Models	SHARP AIRTIGHT
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	CS20-0056309-01
Harmonised technical specification	EN 14785:2006

**ESSENTIAL CHARACTERISTICS**

<b>Fuel</b>	Log wood, moisture content $\leq 25\%$			No	
	Compressed wood with moisture content $< 12\%$			Yes	
<b>Type of heat output/room temperature control (select one)</b>	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	
<b>Other control options (multiple selections possible)</b>	Room temperature control, with presence detection			No	
	Room temperature control, with open window detection			No	
	With distance control option			Yes	
<b>Performance - Emissions</b>	No	Symbol		Nominal power	Reduced power
	Carbon monoxide emissions (CO at 13% O <sub>2</sub> )	CO <sub>nom</sub>	CO <sub>part</sub>	42 mg/Nm <sup>3</sup>	238 mg/Nm <sup>3</sup>
	Emission of nitrogen oxides (NOX at 13% O <sub>2</sub> )	NO <sub>xnom</sub>	NO <sub>xpart</sub>	117 mg/Nm <sup>3</sup>	140 mg/Nm <sup>3</sup>
	Emission of organic gaseous compounds (OGC at 13% O <sub>2</sub> )	OGC <sub>nom</sub>	OGC <sub>part</sub>	1 mg/Nm <sup>3</sup>	4 mg/Nm <sup>3</sup>
	Particulate matter emissions (PM at 13% O <sub>2</sub> )	PM <sub>nom</sub>	PM <sub>part</sub>	15 mg/Nm <sup>3</sup>	20 mg/Nm <sup>3</sup>
<b>Performance - Power and efficiency</b>	Heating power to the environment	P <sub>nom</sub>	P <sub>part</sub>	7,0 kW	2,5 kW
	Heating power to the water	P <sub>wnom</sub>	P <sub>wpart</sub>	/	/
	Efficiency - Useful efficiency	$\eta_{nom}$	$\eta_{part}$	90 %	91 %
<b>Space heating efficiency</b>	Seasonal energy efficiency	$\eta_s$		86 $\eta_s$ [%]	
	Energy efficiency index	EEI		126	
	Energy efficiency class (A++ / G scale)	-		A+	
<b>Auxiliary electricity consumption</b>	Electrical consumption at nominal heat output	e <sub>lmax</sub>		0.049 kW	
	Electrical consumption at partial load heat output	e <sub>lmin</sub>		0.023 kW	
	Electrical consumption in standby mode	e <sub>lSB</sub>		0.002 kW	
<b>Sealed Chamber</b>	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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Santa Lucia di Piave, 23/12/20

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