TECHNICAL DATA SHEET

for appliance ELLIPSE 5

according to Table 22 of the standard EN 16510-1:2022

№	Parameter	Unit	Explanation	Data for fuel wood
1*	P_{nom}	kW	The nominal heat output or a range of outputs (dependent on fuel types)	8,2
2*	P_{SHnom}	kW	The nominal space heat output or a range of outputs (dependent on fuel types)	
3*	P_{Wnom}	kW	The nominal water output (if an integral boiler is fitted) or a range of outputs (dependent on fuel types)	
4*	P_{part}	kW	The part load heat output or a range of outputs (dependent on fuel types)	
5*	P_{SHpart}	kW	The part load space heat output or a range of outputs (dependent on fuel types)	
6*	P_{Wpart}	kW	The part load water output (if an integral boiler is fitted) or a range of outputs (dependent on fuel types)	
7*	P_{slow}	kW	The heat output at slow combustion or a range of outputs (dependent on fuel types)	
8*	P_{SHslow}	kW	The space heat output at slow combustion or a range of outputs (dependent on fuel types)	
9*	P_{Wslow}	kW	The water heat output at slow combustion (if an integral boiler is fitted) or a range of outputs (dependent on fuel types)	
10*	η_{nom}	%	The appliance efficiency at nominal heat output	80,5
11*	η_{part}	%	The appliance efficiency at part load heat output	
12	η_s	%	The appliance seasonal space heating efficiency at nominal heat output	70,5
13	EEI	-	The energy efficiency index	104
14*	CO_{nom} $(13\%O_2)$	mg/m^3	CO emission at 13 % oxygen content at nominal heat output	477
15*	CO_{part} $(13\%O_2)$	mg/m^3	CO emission at 13 % oxygen content at part load heat output if specified	
16*	CO_{slow} $(13\%O_2)$	mg/m^3	CO emission at 13 % oxygen content at heat output at slow combustion if specified	
17*	NOx_{nom} $(13\%O_2)$	mg/m^3	NOx emission at 13 % oxygen content at nominal heat output	117
18*	NOx_{part} $(13\%O_2)$	mg/m^3	NOx emission at 13 % oxygen content at part load heat output if specified	
19*	NOx_{slow} $(13\%O_2)$	mg/m^3	NOx emission at 13 % oxygen content at heat output at slow combustion if specified	
20*	OGC_{nom} $(13\%O_2)$	mg/m^3	OGC emission at 13 % oxygen content at nominal heat output	30
21*	OGC_{part} $(13\%O_2)$	mg/m^3	OGC emission at 13 % oxygen content at part load heat output if specified	
22*	OGC_{slow} $(13\%O_2)$	mg/m^3	OGC emission at 13 % oxygen content at heat output at slow combustion if specified	
23*	PM_{nom} $(13\%O_2)$	mg/m^3	Particulate matter emission at 13 % oxygen content at nominal heat output	28,2
24*	PM_{part} $(13\%O_2)$	mg/m^3	Particulate matter emission at 13 % oxygen content at part load heat output if specified	
25*	PM_{slow} $(13\%O_2)$	mg/m^3	Particulate matter emission at 13 % oxygen content at heat output at slow combustion if specified	
26*	p_{nom}	Pa	Minimum flue draught at nominal heat output	12 +- 2

№	Parameter	Unit	Explanation	Data for fuel wood
27*	p_{part}	Pa	Minimum flue draught at part load heat output if specified	
28*	p_{slow}	Pa	Minimum flue draught at heat output at slow combustion if specified	
29*	p_w	bar	The permissible maximum water operating pressure	
30*	d_R	mm	The minimum distances from the rear to combustion material	
31*	d_S	mm	The minimum distances from the sides to combustion material	600
32*	d_C	mm	The minimum distances from the top to combustion material in the ceiling	700
33*	d_P	mm	The minimum distances from the front to combustion material	1200
34*	d_F	mm	The minimum distances from the front to combustion material in bottom front radiation area	700
35*	d_L	mm	The minimum distances from the front to combustion material in side front radiation area	900
36*	d_B	mm	The minimum distances below the bottom (not regarding feet) to combustible material	0
37	d_{non}	mm	The minimum distance to non-combustible walls	
38	s	mm	Protective insulation according to manufacturers instructions	
39	el_{SB}	kW	The consumption of electrical auxiliary energy at standbay	
40	el_{max}	kW	The consumption of electrical auxiliary energy at nominal heat output	
41	el_{min}	kW	The consumption of electrical auxiliary energy at part load heat output	
42	E, f	V, Hz	Power supply voltage, frequency	
43	W_{max}	W	Maximum electric power input	
44	T_{snom}	°C	The flue gas outlet temperature at nominal heat output	198
45	T_{spart}	°C	The flue gas outlet temperature at part load heat output	
46	T_{class}	-	Chimney designation according to the appropriate chimney standard	
47	$\Phi_{f,g\ nom}$	g/s	The flue gas mass flow at nominal heat output	8,0
48	$\Phi_{f,g\ part}$	g/s	The flue gas mass flow at part heat output	
49	V_h	m^3N/h	The standing air loss	
50	CON or INT	-	Indication whether the appliance is capable of continuous operation (CON); Indication whether the appliance is capable of intermittent operation (INT)	
51	d_{out}	mm	The diameter of the flue gas outlet	150
52	L, H, W	cm	The overall dimensions of the appliance (length, height, width)	51,2; 104; 44,4
53	m	kg	Mass of the appliance	118
54	m_{chim}	kg	The maximum load of a chimney the appliance may carry, to be rounded to the nearest integer	
55		-	“Read and follow the user operating instructions”	

* - the parameters are also indicated on the CE marking label