

Information requirements for solid fuel local space heaters	
Model/Name:	LIBERA 8 V - LIBERA 8 C
Trademark:	NOBIS
Indirect heating functionality:	No
Direct heat output:	8,2
Indirect heat output:	--

Fuel:	Preferred fuel:	Other suitable fuel(s):	$\eta_s\%$ (*)	Specie heating emissions at nominal heat output (*)				Specie heating emissions at minimum heat output (*)			
				P	COG	CO	NOX	P	COG	CO	NOX
				mg/Nm ³ (13% O ₂)				mg/Nm ³ (13% O ₂)			
Wood logs with moisture content ≤ 25 %	No	No	--	--	--	--	--	--	--	--	--
Compressed wood with moisture content < 12 %	Yes	No	90,5	7	8	166	93	6	5	134	94

Characteristics when operating with the preferred fuel only

Heat output			
Nominal heat output:	P _{nom}	8,2	kW
Minimum heat output (indicative):	P _{min}	4	kW

Useful efficiency (NCV as received)			
Useful efficiency at nominal heat output:	$\eta_{th,nom}$	92,8	%
Useful efficiency at minimum heat output (indicative):	$\eta_{th,min}$	92,6	%

Auxiliary electricity consumption			
At nominal heat output:	e _{l,max}	0,0108	kW
At minimum heat output:	e _{l,min}	0,0085	kW
In standby mode:	e _{l,sb}	0,0019	kW

Permanent pilot flame power requirement			
Pilot flame power requirement:	P _{pilot}	--	kW

Type of heat output/room temperature control F(2):	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 F(3) (multiple selections possible):	Room temperature control, with presence detection	No
	Room temperature control, with open window detection	No
	With distance control option	Yes

Energy efficiency class:	A++
Energy efficiency index (EEI):	132

Note: (*) η_s = seasonal energy efficiency, PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, Nox = nitrogen oxides

Information requirements for solid fuel local space heaters	
Model/Name:	LIBERA 8
Trademark:	NOBIS
Indirect heating functionality:	No
Direct heat output:	8,1
Indirect heat output:	--

Fuel:	Preferred fuel:	Other suitable fuel(s):	$\eta_s\%$ (*)	Specie heating emissions at nominal heat output (*)				Specie heating emissions at minimum heat output (*)			
				P	COG	CO	NOX	P	COG	CO	NOX
				mg/Nm ³ (13% O ₂)				mg/Nm ³ (13% O ₂)			
Wood logs with moisture content ≤ 25 %	Yes	No	75,3	8	27	570	94	--	--	--	--
Compressed wood with moisture content < 12 %	No	No	--	--	--	--	--	--	--	--	--

Characteristics when operating with the preferred fuel only

Heat output			
Nominal heat output:	P _{nom}	8,1	kW
Minimum heat output (indicative):	P _{min}	--	kW

Useful efficiency (NCV as received)			
Useful efficiency at nominal heat output:	$\eta_{th,nom}$	85,3	%
Useful efficiency at minimum heat output (indicative):	$\eta_{th,min}$	--	%

Auxiliary electricity consumption			
At nominal heat output:	e _{l,max}	--	kW
At minimum heat output:	e _{l,min}	--	kW
In standby mode:	e _{l,sb}	--	kW

Permanent pilot flame power requirement			
Pilot flame power requirement:	P _{pilot}	--	kW

Type of heat output/room temperature control F(2):	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	No

Other control options F(3) (multiple selections possible):	Room temperature control, with presence detection	No
	Room temperature control, with open window detection	No
	With distance control option	No

Energy efficiency class:	A+
Energy efficiency index (EEI):	114

Note: (*) η_s = seasonal energy efficiency, PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, Nox = nitrogen oxides