

Information requirements for solid fuel local space heaters

Model/Name:	A8 V QUADRA / A8 C QUADRA
Trademark:	NOBIS
Indirect heating functionality:	No
Direct heat output:	7,8
Indirect heat output:	--

Fuel:	Preferred fuel:	Other suitable fuel(s):	η_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)								
Wood logs with moisture content ≤ 25 %	No	No	--	--	--	--	--	--	--	--	--	--
Compressed wood with moisture content < 12 %	Yes	No	89,7	3,6	2	11	87	5,9	6	75	87	

Characteristics when operating with the preferred fuel only

Heat output			
Nominal heat output:	P_{nom}	7,8	kW
Minimum heat output (indicative):	P_{min}	3,8	kW

Useful efficiency (NCV as received)

Useful efficiency at nominal heat output:	$\eta_{th,nom}$	92,1	%
Useful efficiency at minimum heat output (indicative):	$\eta_{th,min}$	93,2	%

Auxiliary electricity consumption

At nominal heat output:	$e_{l,max}$	0,012	kW
At minimum heat output:	$e_{l,min}$	0,008	kW
In standby mode:	$e_{l,SB}$	0,002	kW

Permanent pilot flame power requirement

Pilot flame power requirement:	P_{pilot}	--	kW
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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):	131

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