ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1189 IMPLEMENTING DIRECTIVE 2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

Model identifier:	Biodom 27A						
Stoking mode:	Automatic: it is recommended that the boiler be operated with a hot storage tank volume of at least 507 (**) litre						
Condensing boiler:	No						
Solid fuel cogeneration boiler:	no		**Combination boiler:**			no	

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η$_s$ [%]:	Seasonal space heating emissions (****)			
				PM	OGC	CO	NO$_X$
				mg/m^3			
Log wood, moisture content ≤ 25 %	no	no					
Chipped wood, moisture content 15-35 %	no	no					
Chipped wood, moisture content > 35 %	no	no					
Compressed wood in the form of pellets or briquettes	yes	no	82	25	6	245	131
Sawdust, moisture content ≤ 50 %	no	no					
Non-woody biomass	no	no					
Bituminous coal	no	no					
Brown coal (including briquettes)	no	no					
Coke	no	no					
Anthracite	no	no					
Blended fossil fuel briquettes	no	no					
Other fossil fuel	no	no					
Blended biomass (30-70 %) / fossil fuel briquettes	no	no					
Other blend of biomass and fossil fuel	no	no					

Characteristics when operating with the preferred fuel only:

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Useful heat output					Useful efficiency			
At rated heat output	P_n	25,3 (***)	kW		At rated heat output	η_n	86,3	%
At [30 %/50 %] of rated heat output, if applicable	P_p	7,6	kW		At [30 %/50 %] of rated heat output, if applicable	η_p	85,7	%
For solid fuel cogeneration boilers: Electrical efficiency					**Auxiliary electricity consumption**			
					At rated heat output	el_{max}	0,049	kW
					At [30 %/50 %] of rated heat output, if applicable	el_{min}	0,028	kW
At rated heat output	$\eta_{el,n}$	N.A.	%		Of incorporated secondary emission abatement equipment, if applicable		N.A.	kW
					In standby mode	P_{SB}	0,005	kW

Contact details	Name and address of the manufacturer or its authorised representative
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(**) Tank volume = 20 × Pr with Pr indicated in kW
(***) For the preferred fuel P_n equals P_r
(****) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides

Approved by
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