



**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**

<b>Model identifier:</b>		C-15					
<b>Stoking mode:</b>		Automatic: it is recommended that the boiler be operated with a hot storage tank volume of at least 342 (**) litre					
<b>Condensing boiler:</b>		No					
<b>Solid fuel cogeneration boiler:</b>		no		<b>Combination boiler:</b>		no	
Fuel	Preferred fuel (only one):	Other suitable fuel(s):	$\eta_s$ [%]:	Seasonal space heating emissions (****)			
				PM	OGC	CO	NO <sub>x</sub>
				mg/m <sup>3</sup>			
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	81	20	6	124	164
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	$P_n$	17,1 (***)	kW		At rated heat output	$\eta_n$	86,2	%
At [30 %/50 %] of rated heat output, if applicable	$P_p$	5,0	kW		At [30 %/50 %] of rated heat output, if applicable	$\eta_p$	83,2	%
For solid fuel cogeneration boilers: Electrical efficiency					<b>Auxiliary electricity consumption</b>			
					At rated heat output	$el_{max}$	0,099	kW
					At [30 %/50 %] of rated heat output, if applicable	$el_{min}$	0,075	kW
At rated heat output	$\eta_{el,n}$	N.A.	%		Of incorporated secondary emission abatement equipment, if applicable		N.A.	kW
					In standby mode	$P_{SB}$	0,004	kW

Contact details	Name and address of the manufacturer or its authorised representative
+386 (0)5 6626750 +386 (0) 5 757 6626 info@biodom27.si http://www.biodom27.si/	Biodom 27 d.o.o. OIC Hrpelje 14 A 6240 Kozina Slovenia

(\*\*) Tank volume =  $20 \times P_r$  with  $P_r$  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  
**Maurizio Lorenzon**  
Industry Division Manager





**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**

<b>Model identifier:</b>		Biodom 27 c5					
<b>Stoking mode:</b>		Automatic: it is recommended that the boiler be operated with a hot storage tank volume of at least 616 (**) litre					
<b>Condensing boiler:</b>		No					
<b>Solid fuel cogeneration boiler:</b>		no		<b>Combination boiler:</b>		no	
Fuel	Preferred fuel (only one):	Other suitable fuel(s):	$\eta_s$ [%]:	Seasonal space heating emissions (****)			
				PM	OGC	CO	NO <sub>x</sub>
				mg/m <sup>3</sup>			
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	80	23	2	167	184
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	$P_n$	30,8 (***)	kW		At rated heat output	$\eta_n$	85,1	%
At [30 %/50 %] of rated heat output, if applicable	$P_p$	8,7	kW		At [30 %/50 %] of rated heat output, if applicable	$\eta_p$	82,3	%
For solid fuel cogeneration boilers: Electrical efficiency					<b>Auxiliary electricity consumption</b>			
					At rated heat output	$el_{max}$	0,063	kW
					At [30 %/50 %] of rated heat output, if applicable	$el_{min}$	0,040	kW
At rated heat output	$\eta_{el,n}$	N.A.	%		Of incorporated secondary emission abatement equipment, if applicable		N.A.	kW
					In standby mode	$P_{SB}$	0,004	kW

Contact details	Name and address of the manufacturer or its authorised representative
+386 (0)5 6626750 +386 (0) 5 757 6626 info@biodom27.si http://www.biodom27.si/	Biodom 27 d.o.o. OIC Hrpelje 14 A 6240 Kozina Slovenia

(\*\*) Tank volume =  $20 \times P_r$  with  $P_r$  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  
**Maurizio Lorenzon**  
Industry Division Manager

