

Information requirements for solid fuel boilers Sigma 20

UE 2015/1189

Model identifier(s)	Sigma 20						
Stoking mode:	Manual						
Condensing boiler:	[no]						
Solid fuel cogeneration boiler:	[no]		Combination boiler:			[no]	
Fuel	Preferred fuel (only one):	Other suitable fuel(s):	$\eta_{s[x\%]}$	Seasonal space heating emissions			
				PM	OGC	CO	NOx
				[x] mg/m ³			
Log wood, moisture content $\leq 25\%$	[yes]	[no]	78	20	21	333	200
Chipped wood, moisture content 15-35 %	[no]	[no]					
Chipped wood, moisture content $> 35\%$	[no]	[no]					
Compressed wood in the form of pellets or briquettes	[no]	[no]					
Sawdust, moisture content $\leq 50\%$	[no]	[no]					
Other woody biomass	[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]					

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	Pn	23,2	kW	At rated heat output	η_p	82	%
At [30 %/50 %] of rated heat output, if applicable	Pp	--	kW	At [30 %/50 %] of rated heat output, if applicable	η_p	--	%
For solid fuel cogeneration boilers: Electrical efficiency				Auxiliary electricity consumption			
At rated heat output	$\eta_{el,n}$	-	%	At rated heat output	$e_{l,max}$	0,063	kW
				At [30 %/50 %] of rated heat output, if applicable	$e_{l,min}$	--	kW
				Of incorporated secondary emission abatement equipment, if applicable		--	kW
				In standby mode	P_{sb}	0,003	kW
Contact details	Zakład Produkcji Kotłów C.O. Sp.J UL. Rzemieśnicza 11, 09-100 Płońsk						

Zakład Produkcji Kotłów C.O. T. Sikorski, R. DAMS SPÓŁKA JAWNA
UL. Rzemieśnicza 11 09-100 Płońsk

Information requirements for solid fuel boilers

UE 2015/1187

Supplier's name	Zakład Produkcji Kotłów C.O. T. Sikorski, R. DAMS SPÓŁKA JAWNA UL. Rzemieślnicza 11 09-100 Płońsk
supplier's model identifier	Sigma 20
Energy efficiency class	A ⁺
Z the rated heat output in kW	23
the energy efficiency indexj EEI	109
the seasonal space heating energy efficiency in %	78
any specific precautions that shall be taken when the solid fuel boiler is assembled, installed or maintained	When installing and maintaining the boiler, use appropriate protective clothing and comply with health and safety regulations. When carrying out maintenance on the device, disconnect it from the mains and follow the manufacturer's instructions or guidelines

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