

Model identifier(s): <b>Smart Fire 22</b>							
Stoking mode: Automatic fuel feeding: it is recommended to operate the boiler with a domestic hot water tank with a minimum capacity of 440 l							
Condensing boiler: no							
Solid fuel cogeneration boiler: no				Combination boiler: no			
Fuel	Preferred fuel:	Other suitable fuel:	$\eta_s$	Seasonal space heating emissions			
				PM	OGC	CO	NOx
				mg/m <sup>3</sup>			
Log wood, moisture content $\leq 25\%$	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	78%	29	16	98	177
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					
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	$P_n$	22,0	kW	At rated heat output	$\eta_n$	83,9	%
At 30% of rated heat output, if applicable	$P_p$	6,6	kW	At 30% of rated heat output, if applicable	$\eta_p$	82,6	%
For solid fuel cogeneration boilers: Electrical efficiency				<b>Auxiliary electricity consumption</b>			
				At rated heat output	$el_{max}$	0,085	kW
				At 30% of rated heat output, if applicable	$el_{min}$	0,038	kW
At rated heat output	$\eta_{el,n}$		%	Of incorporated secondary emission abatement equipment, if applicable			kW
				In standby mode	$P_{SB}$	0,004	kW

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