

Model identifier	BOX 20 70																				
Equivalent models	N/A																				
Indirect heating function	No																				
Direct heat output	10 kW																				
Indirect heat output	- kW																				
Fuel	Preferred fuel (only one)	Other suitable fuel(s)	Emissions at nominal heat output (*) [mg/Nm ³ (13 % O ₂)				Emissions at minimum heat output (*)(**) [mg/Nm ³ (13 % O ₂)														
			PM	OGC	CO	NO _x	PM	OGC	CO	NO _x											
Wood logs, moisture content < 25 %	yes	no	25	57	865	128	N.A.	N.A.	N.A.	N.A.											
Compressed wood, moisture content < 12 %	no	no																			
Other woody biomass	no	no																			
Non-woody biomass	no	no																			
Anthracite and dry steam coal	no	no																			
Hard coke	no	no																			
Low temperature coke	no	no																			
Bituminous coal	no	no																			
Lignite briquettes	no	no																			
Peat briquettes	no	no																			
Blended fossil fuel briquettes	no	no																			
Other fossil fuel	no	no																			
Blended biomass and fossil fuel briquettes	no	no																			
Other blend of biomass and solid fuel	no	no																			
Characteristics when operating with the preferred fuel																					
Seasonal space heating efficiency η_s [%]	66																				
Energy efficiency index (EEI)	100																				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	Item	Symbol	Value											
Heat output				Useful efficiency (NCV as received)																	
Nominal heat output	P _{nom}	10.0	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	75.6	%														
Minimum heat output (indicative)	P _{min}	N.A.	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	N.A.	%														
Auxiliary power consumption			Type of heat output/room temperature control (select one)																		
At nominal heat output	e _{l,max}	N.A.	kW	Single-stage heat output, no room temperature control						yes											
At minimum heat output	e _{l,min}	N.A.	kW	Two or more manual stages, no room temperature control						no											
In standby mode	e _{l,sb}	N.A.	kW	With mechanic thermostat room temperature control						no											
Permanent pilot flame power requirement			With electronic room temperature control							no											
Pilot flame power requirement (if applicable)	P _{pilot}	N.A.	kW	With electronic room temperature control plus day timer						no											
				With electronic room temperature control plus week timer						no											
			Other control options (multiple selection possible)																		
			Room temperature control, with presence detection						no												
			Room temperature control, with open window detection						no												
			With distance control option						no												
Contact details	Barbas Bellfires BV Hallenstraat 17 5531 AB BLADEL The Netherlands				www.barbas.com																
(*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO _x = nitrogen oxides (**) Only required if correction factors F(2) or F(3) are applied.																					
Signed for and on behalf of the manufacturer by: Danny Baijens, CEO																					
Bladel;			13 October 2025																		