

Model identifier(s):		Buckingham II									
Indirect heating functionality: (yes/no)		No									
Direct heat output: (kW)		5.1kW									
Indirect heat output: (kW)		N/A									
Fuel	Preferred fuel (only one)	Other suitable fuel(s):	η_s (%)	Space heating emissions at nominal heat output (*)				Space heating emissions at minimum heat output (*) (**)			
				P	OGC	CO	Nox	P	OGC	CO	Nox
				(x) mg/Nm ³ (13 % O ₂)				(x) mg/Nm ³ (13 % O ₂)			
Wood logs with moisture content ≤ 25%	Yes	No	73	20	103	1197	87	-	-	-	-
Compressed wood with moisture content < 12%	No	No		-	-	-	-	-	-	-	-
Other woody biomass	No	No		-	-	-	-	-	-	-	-
Non-woody biomass	No	No		-	-	-	-	-	-	-	-
Anthracite and dry steam coal	Yes	No	69	21	21	993	107	-	-	-	-
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

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heat Output				Useful efficiency (NCV as received)			
Nominal heat output	P _{nom}	5.1	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	83	%
Minimum heat output (indicative)	P _{min}	N/A	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	N/A	%
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)			
At nominal heat output	e _{lmax}	N/A	kW	Single stage heat output, no room temperature control	Yes	0.0	%
At minimum heat output	e _{lmin}	N/A	kW	two or more manual stages, no room temperature control	No	N/A	
In standby mode	e _{lsb}	N/A	kW	with mechanic thermostat room temperature control	No	N/A	
Permanent pilot flame power requirement				with electronic room temperature control	No	N/A	
Pilot flame power requirement (if applicable)	P _{pilot}	N/A	KW	with electronic room temperature control plus day timer	No	N/A	
				with electronic room temperature control plus week timer	No	N/A	
				Other Control options (multiple selections possible)			
				room temperature control, with presence detection	No	N/A	%
				room temperature control, with open window detection	No	N/A	
				with distance control	No	N/A	
Contact details		Clarke International Ltd, Hemnall Street, Epping, Essex CM16 4LG					

(*) PM = Particulate matter, OGCs = Organic gaseous compounds, Co = carbon monoxide, Nox = Nitrogen oxides

(**) Only required if correction factors F(2) or F(3) are applied.