

Model identifier(s):		Malvern II									
Indirect heating functionality: (yes/no)		No									
Direct heat output: (kW)		4.9kW									
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 \leq 25%	Yes	No	68	12	99	1197	125	-	-	-	-
Compressed wood with 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				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}	4.9	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	78.7	%
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.