

Model identifier	BOX 35-40-105									
Equivalent models	BOX 35-40-85; BOX 35-40-70; BOX 40-40-85; BOX 40-40-70									
Indirect heating function	No									
Direct heat output	5.3 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	≤ 40	≤ 120	≤ 1500	≤ 200	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 [%]	70		
Energy efficiency index (EEI)	106		
Item	Symbol	Value	Unit

Heat output				Useful efficiency (NCV as received)			
Nominal heat output	P _{nom}	5.3	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	80.1	%
Minimum heat output (indicative)	P _{min}	3.7	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	78.7	%

Auxilliary 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

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(*) 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; 21 August 2024

