



Domestic Wood Pellet Boiler Range

Wood pellet

Type and capacity range:
Hydronic 14kW - 40kW

efficiencies
up to
96%

A. Use

The biomass burning equipment (burning 6m wood pellets) has been designed for heating of smaller buildings (e.g. domestic premises, and offices etc.)

B. Boiler description

Introduced in March 2011 latest modulation technology safety features including:

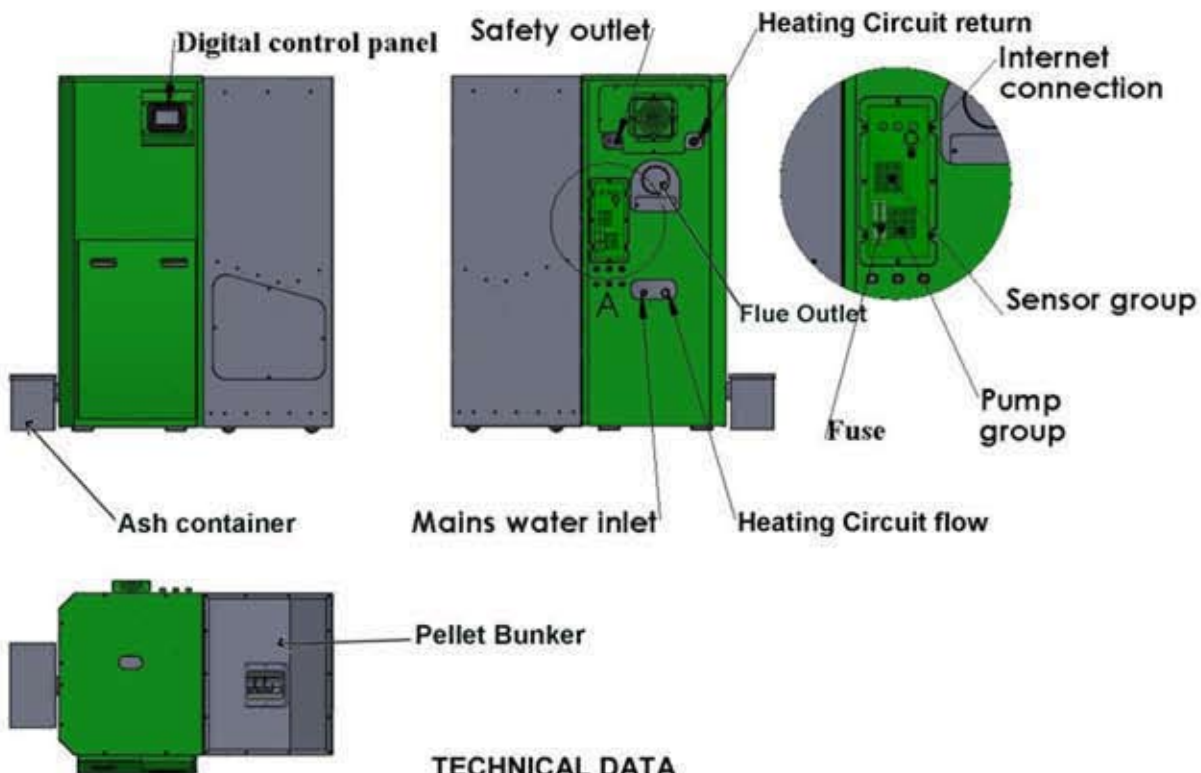
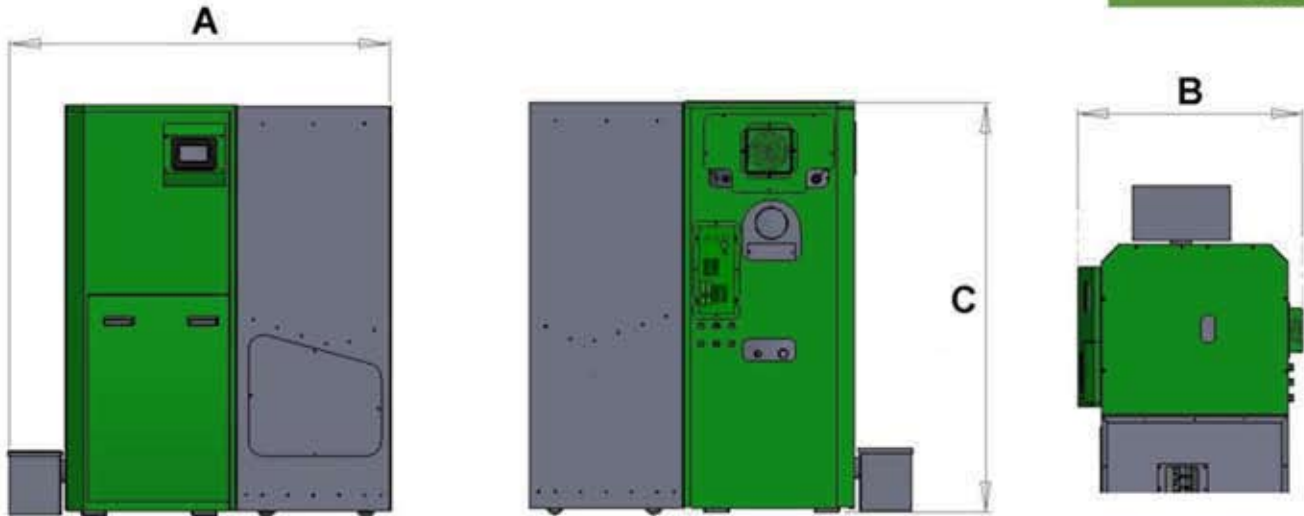
1. Burn back protection,
2. External warning signal,
3. High limit cut off thermostat,
4. Frost protection,
5. Cycle burnout,
6. Overload cut off,
7. Emergency Stop Switch
8. Drive motor power protector

C. Operational features include

1. Automatic ash removal
2. Automatic ignition
3. Automatic baffle cleaning
4. Automatic burner grate cleaning
5. Fuel level sensor and refill control
6. Outside temperature compensation
7. Day and night compensation
8. Clock and daily on/off cycle timer
9. Multi heating circuit controls
10. DHW storage tank management
11. Full modulation burning control
12. Links to external management system
13. Internet connection and remote administration
14. Easy to use menu driven control panel
15. Specifically designed to burn wood pellets
16. Lambda sensor & flue gas sensors fitted
17. Maintains high efficiency accross modulation
18. No requirement for thermal storage tank (buffer)
19. 200kg capacity pellet hopper
20. 20lt external ash container

D. Boiler Scheme

PROPEL
series



TECHNICAL DATA

PRODUCT TYPES AND MEASURES (NEW TYPE)

Model	Min./Max. Capacity Output	Weight	Volume	Operating Pressure	Test Pressure	MEASURES							
						A (mm)	B (mm)	C (mm)	Ø Chimney (mm)	F go	G return	Expansion Exit	H loading unloading
PROPEL-14	5 - 14 kW	380	60 lt.	3 bar	4,30 bar	1700	1100	1700	150	1"	1"	1"	3/4"
PROPEL-25	5 - 25 kW	420	70 lt.	3 bar	4,30 bar	1700	1100	1700	150	1"	1"	1"	3/4"
PROPEL-40	7,5 - 40 kW	500	90 lt.	3 bar	4,30 bar	1800	1200	1850	200	2"	2"	2"	3/4"



Renewable
sustainable energy

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