

# CLR SERIES

## CAST IRON SOLID FUEL BOILER

- ➔ Solid Fuel Cast Iron Sectional Boiler
- ➔ Built with Durable Cast Iron Modules



- Cast iron sectional body designed for efficient combustion of wood logs, hard coal and coke
- Reinforced coke combustion ring for improved durability
- 6 different capacity models to meet various heating demands
- Flexible cast iron technology ensuring high corrosion resistance and extended service life
- Independent primary and secondary air regulation for optimal combustion control
- Water heating efficiency up to 75%
- Optional safety heat exchanger to prevent overheating and ensure safe operation

#### Combustion Control Options

- Thermo-regulator system (natural draught control)
- Compatible with pellet burner installation
- Energy-efficient operating design
- Manual ash shaking mechanism for easy cleaning



# CLR SERIES

## CAST IRON SOLID FUEL BOILER

### Pellet Burner Compatibility

CLR solid fuel boilers are designed with an enlarged front ash chamber that allows the easy installation of a pellet burner when required. Thanks to this flexible design, the boiler can operate both as a pellet-fired unit or as a conventional solid fuel boiler, offering maximum adaptability for different heating needs.

### Long Service Life

Manufactured from high-quality cast iron using flexible casting technology, the CLR boiler body provides exceptional durability and corrosion resistance.

This robust construction protects the boiler against the effects of low return water temperatures, flue gas condensation, and fuels with high moisture content, ensuring reliable performance and long-term operation.

### Large Combustion Chamber – Compact Boiler Design

The CLR series features an optimized combustion chamber that increases the internal combustion volume and heating surface while maintaining a compact external structure.

This innovative design enables the boiler to achieve higher loading capacity and improved heating performance compared to similar boilers in its class.

Parameter	Unit	CLR-3	CLR-4	CLR-5	CLR-6	CLR-7	CLR-8	CLR-10
Number of sections		3	4	5	6	7	8	10
Fuel types		Wood, Coal						
Nominal Heat Output (Hard Coal)	kW	14-17	20-27	27-34	33-41	38-46	42-51	53-65
Nominal Heat Output (Hard Wood)	kW	12-14	18-20	25-27	30-33	34-38	39-42	48-52
Weight	kg	200	235	371	308	345	381	461
Water content	lt	22	28	34	40	46	52	66
Fuel loading volume	dm <sup>3</sup>	20	28	36	45	53	62	85
Combustion chamber	dm <sup>3</sup>	30	42	55	68	81	94	129
Heating water max. temperature	°C	92						
Heating water min. temperature	°C	31						
Burning time for nominal output (Coal)	hour	4-6						
Burning time for nominal output (Wood)	hour	2-4						
Max. Fuel loading height	mm	283						
Max. Operating temperature	°C	102						
Max. Operating pressure	bar	3						
H	mm	970						
W	mm	525						
L	mm	605	705	805	905	1005	1105	1205
Chimney diameter	mm	160						

