A+ 25 KW / 715 M³

A+ 30 KW / 860 M³

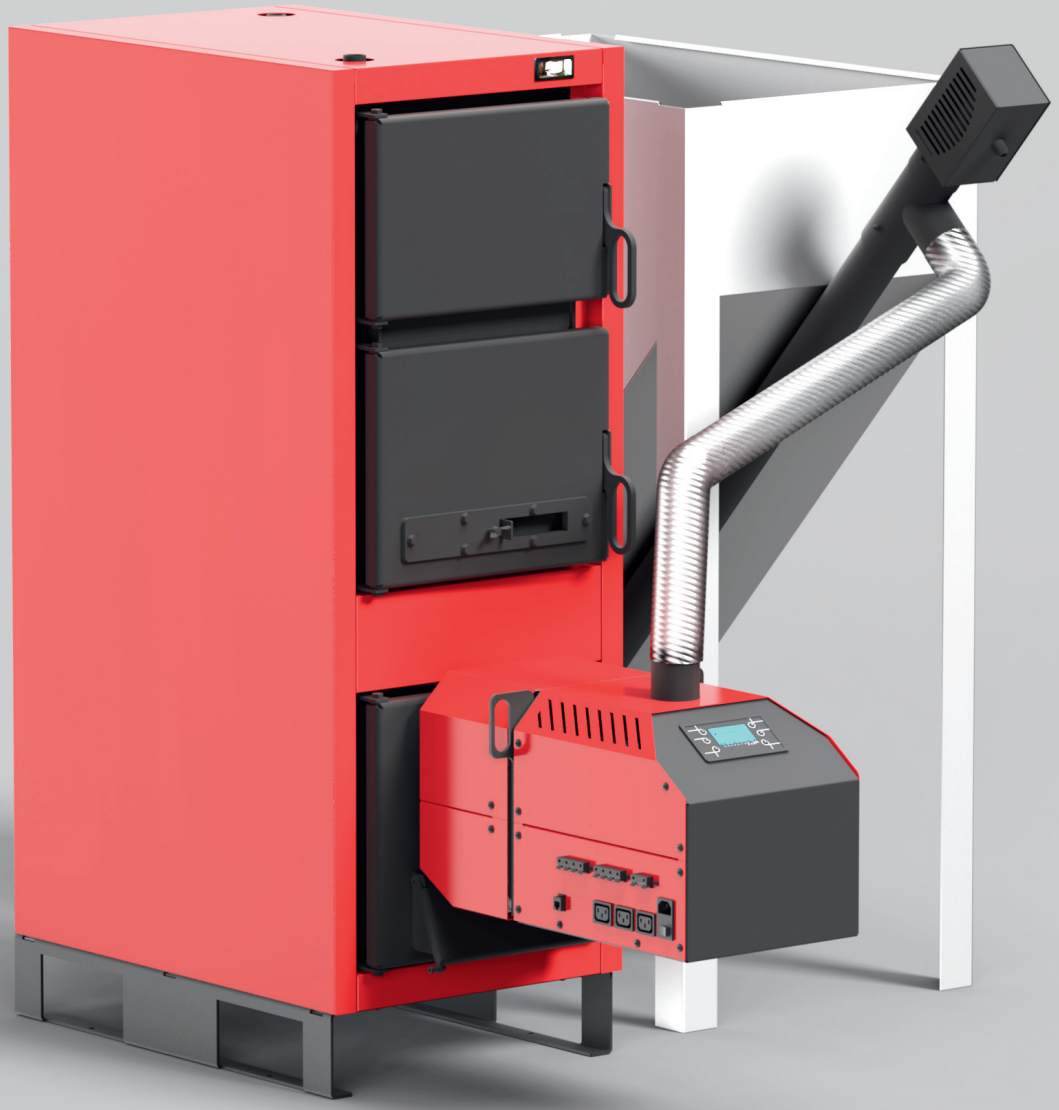
A+ 35 KW / 1000 M³

A+ 40 KW / 1145 M³

A+ 50 KW / 1430 M³

EN 303-5 / BImSchV 2
Ecodesign

Mareli Systems
STEP FORWARD



MADE IN
BULGARIA
PREMIUM
QUALITY

# LC COMBI

## SOLID FUEL AND PELLET BOILER

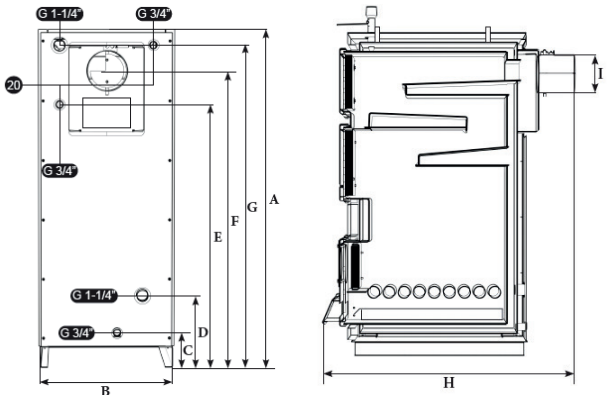
The LC COMBI solid fuel boiler is one of the most cost-effective heating solutions for both residential and commercial use. Durable, reliable, and economical, it delivers outstanding value for money. Available in five power capacities, this model is designed to be integrated with any of the high-tech pellet burners in the Mareli Systems product portfolio.

This allows users to enhance the boiler's autonomy while utilizing a renewable energy source like pellets.

## MAIN FEATURES

- **Large fuel loading chamber**
  It allows burning of firewood up to a length of 56 cm.
- **Optimised smoke extraction system**
  It allows fast and efficient flue gas removal while ensuring maximum heat transfer and minimum heat loss.
- **Compact design**
  The optimised internal space ensures reduced boiler dimensions, making it suitable for any type of service room.
- **High water capacity**
  The large water capacity of the water jacket ensures sufficient power is supplied to the hydronic heating system.
- **Easy regulation of primary and secondary air**
  Through the air vents available in the front of the boiler, adjusting the primary and secondary air in the system is easy and intuitive for the user.

## DIMENSIONS




| KW/ MM | B | H | A | C | D | E | F | G | I |
|---|---|---|---|---|---|---|---|---|---|
| 25 | 465 | 969 | 1294 | 160 | 300 | 864 | 1125 | 1235 | Ø149 |
| 30 | 510 | 969 | 1294 | 160 | 300 | 1014 | 1140 | 1235 | Ø149 |
| 35 | 560 | 969 | 1294 | 160 | 300 | 1014 | 1140 | 1235 | Ø149 |
| 40 | 610 | 969 | 1264 | 160 | 300 | 1014 | 1115 | 1235 | Ø179 |
| 50 | 610 | 1044 | 1294 | 160 | 300 | 1014 | 1115 | 1235 | Ø179 |

## PELLET BURNER





**LC COMBI is equipped with an external pellet burner, a pellet feeding motor and a pellet bunker.**

- Intelligent management system with automatic power regulation depending on the demand of the installation.
- The integrated controller can manage several pump/valve units as well as temperature sensors giving the client has maximum flexibility.
- Automatic cleaning mechanism

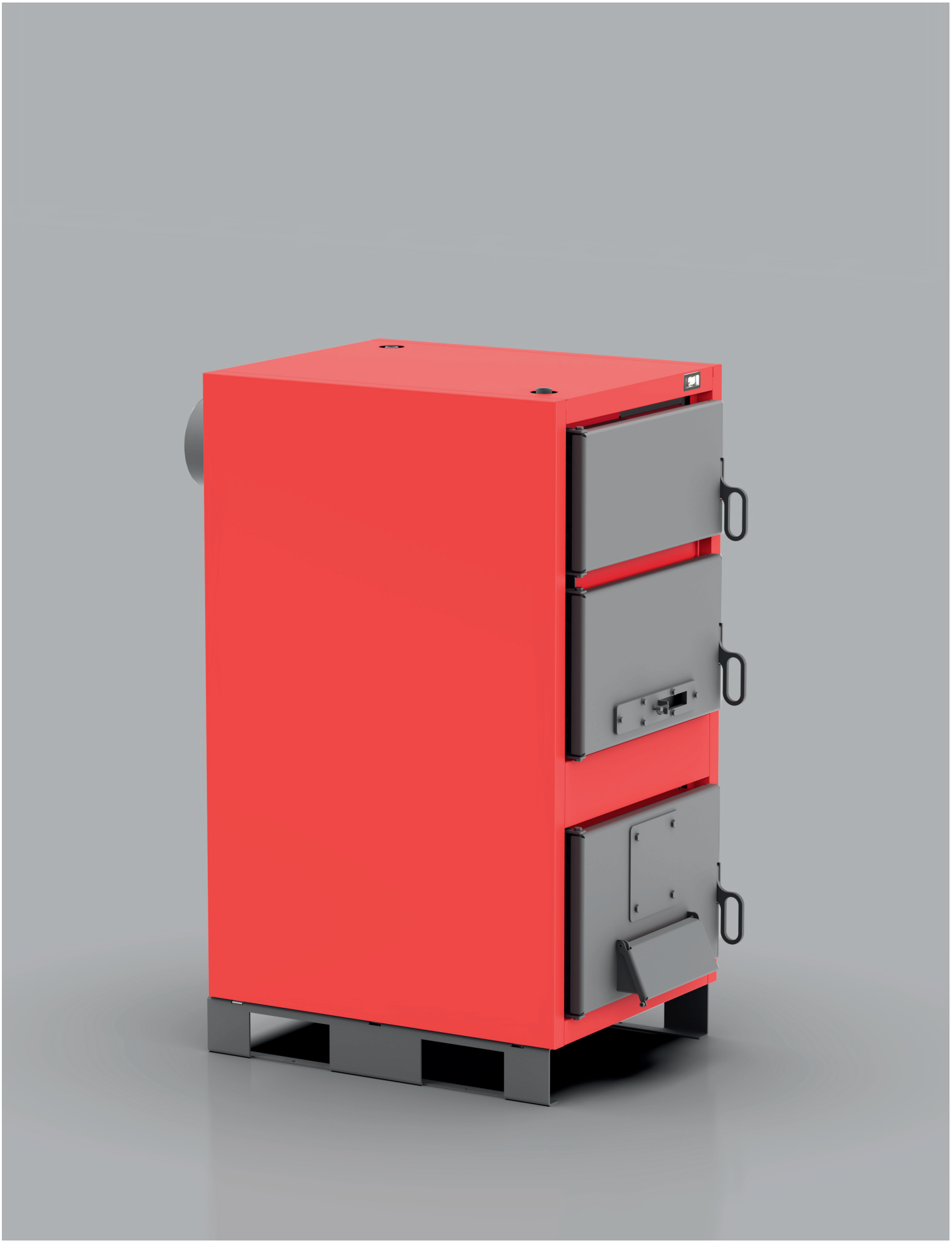
## CERTIFICATION*

ACCREDITED MSCB-113 · G-CERTI GIBP-0048-QC ISO 9001:2015 · **EN 303-5 / BImSchV 2 Ecodesign** · carbon neutral · ECO-DESIGN

*In a combination with Mareli Systems SMB 50 Rotary pellet burner

# TECHNICAL DATA

| | | 25 | 30 | 35 | 40 | 50 |
|---|---|---|---|---|---|---|
| Nominal heat output | kW | 25 | 30 | 35 | 40 | 50 |
| Weight | kg | 262 | 280 | 301 | 321 | 350 |
| Necessary chimney draft | mbar | 20 | 21 | 22 | 23 | 25 |
| Maximum water temperature | °C | 90 | | | | |
| Maximum working pressure | bar | 2.5 | | | | |
| Volume of the water jacket | L | 93 | 98 | 104 | 109 | 120 |
| Combustion chamber volume | $m^3$ | 73 | 87 | 97 | 108 | 124 |
| Maximum wood length | mm | 500 | 500 | 500 | 500 | 550 |
| Recommended chimney diameter | mm | 200 | | | | |
| Recommended chimney height | m | 7-8 | 7-8 | 8-9 | 9-10 | 10-12 |



* The specified heated volumes м³ are indicative.