

ALMA MONS ECO

Wood burning cooker installation and operating instructions

Read these instructions before installation and use and retain them. ALMA MONS ECO is a wood-log-fired cooker for cooking, baking and space heating. These instructions combine construction and operating information from the factory ALMA MONS manual with the ECO Declaration of Performance signed on 3 June 2026. They apply to ALMA MONS ECO; check the model and serial number on the appliance label.

1 Technical data

Nominal heat output	7.3 kW
Efficiency at nominal output	92.1 %
Seasonal space heating efficiency	82.1 %
Energy Efficiency Index and energy class	124 / A+
Flue gas temperature	144 °C
Flue gas mass flow	5.3 g/s
Minimum chimney draught	12 Pa
Flue connection	Ø120 mm
Fuel	Wood logs
CO / NO _x / OGC / dust at 13% O ₂	689 / 99 / 105 / 29 mg/m ³
Chimney fire safety class	T400 G
Cooker dimensions W × D × H	925 × 550 × 800 mm
Firebox dimensions W × D × H	190 × 350 × 300 / 240 mm
Oven dimensions W × D × H	445 × 410 × 220 mm
Fuel consumption at nominal output (manufacturer CE label)	1.8 kg/h

Performance data and clearances are from the new ECO declaration. Dimensions and the Ø120 mm connection are from the factory manual. The older manual values of 8 kW, 83% and 119.6 °C are not the technical values for this ECO instruction. Weight is not declared in the new document and must be confirmed for the specific appliance.

2 Components and dimensions

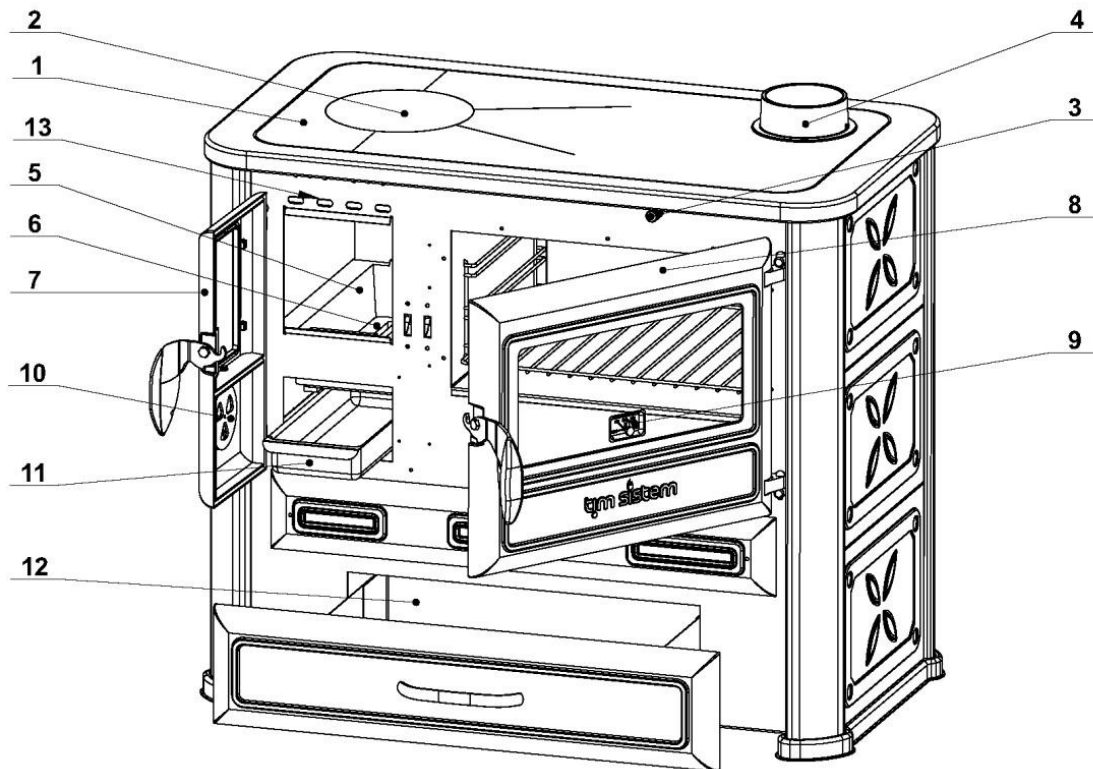


Figure 1 Factory component drawing

1. Cooktop
2. Cooking plate cover
3. Flue gas diverter
4. Rear or top flue outlet
5. Grate support
6. Grate
7. Firebox door
8. Oven door
9. Thermometer
10. Primary air regulator
11. Ash pan
12. Lower drawer
13. Secondary air regulator

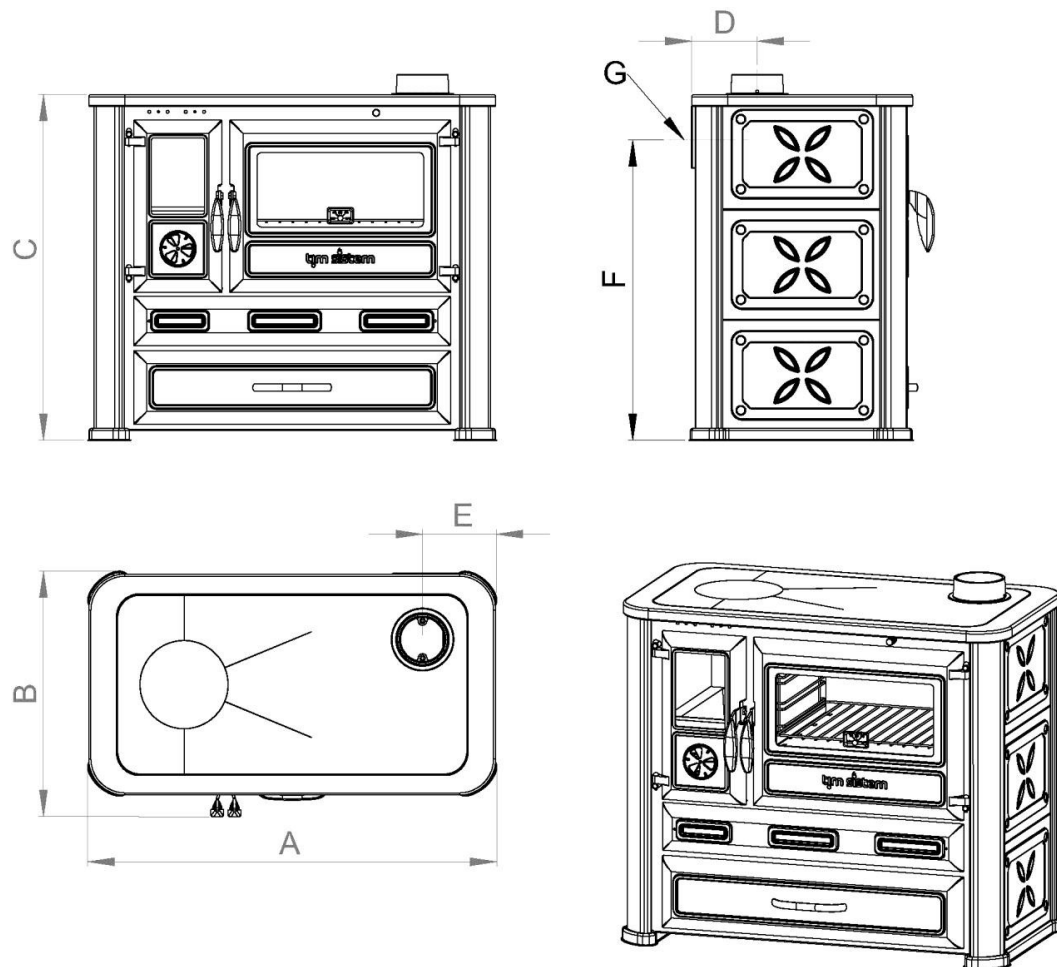


Figure 2 Factory dimension drawing

A 925 mm · B 550 mm · C 800 mm · D 150 mm · E 165 mm · F 680 mm · G Ø120 mm

The factory dimension drawing is reproduced unchanged. Check the precise connection position and installation dimensions on the appliance; left-hand and right-hand versions may differ.

3 Installation and safety clearances

Unpack carefully. Check for transport damage and missing parts; notify the dealer before use. Choose a location away from doors, passageways and traffic. The supporting surface must carry the cooker weight.

Allow for combustible walls, cabinets, floors, ceilings and flue pipe clearances. The declared dB = 0 mm does not eliminate combustible floor protection. The factory manual requires non-combustible floor protection extending at least 500 mm in front of the loading door and 100 mm to the sides; apply this larger extent rather than the new declaration dF = 250 mm. Installation must meet the requirements at the installation site.

Bottom dB	0 mm
Floor in front dF	250 mm
Ceiling dC	>750 mm
Rear dR	350 mm
Side dS	250 mm
Side radiation area dL	250 mm
Front dP	650 mm

4 Chimney connection and combustion air

Do not connect the cooker to a heat-storage wall. Assess chimney suitability using 144 °C flue gas temperature, 5.3 g/s mass flow and 12 Pa minimum draught. The declaration specifies T400 G. A competent installer must verify the chimney and connecting flue design.

The flue connection is Ø120 mm, rear or top. Do not reduce the diameter between cooker and chimney. Secure the connection and make it gas-tight. Do not insert the pipe so deeply that it restricts the chimney cross-section.

The factory manual recommends a connection rising towards the chimney, a horizontal section no longer than 0.5 m and a minimum 10° rise; uninsulated non-vertical sections should not exceed 1.25 m in total. Final chimney sizing must take account of the actual site conditions.

The chimney must be clean, gas-tight, accessible for cleaning and protected from excessive cooling. Insulate an external chimney suitably. Check for obstructions, bird nests, leaking cleaning doors and an unsuitable outlet position. Do not operate with a defective or unsuitable chimney.

Ensure adequate combustion air. Ventilation or an extractor hood must not cause smoke to enter the room. Do not approve shared-flue use solely from the older manual; a competent specialist must assess the arrangement.

5 Fuel and safety

The new declaration specifies wood logs. Use dry, natural, untreated wood. Do not apply the older wood-briquette reference to the ECO model without manufacturer confirmation.

Do not burn coal, lignite or peat briquettes, waste, painted or treated wood, plywood, plastics, solvents or other unapproved fuels. Do not use flammable liquids for ignition.

Surfaces, glass and handles become hot. Use a heat-resistant glove. Keep children, pets and combustible items at a safe distance. Keep the firebox door closed during combustion; open only for ignition, refuelling and cleaning. Keep the ash pan correctly fitted and closed.

Do not modify the cooker. Store only non-combustible utensils in the lower drawer; do not store wood, firelighters or flammable liquids there.

6 First firing and ignition

The first firings may release odours and smoke from coatings and manufacturing oils. Ventilate and start with a moderate fire.

Check that the grate, ash pan and flue path are clean and correctly assembled. Place suitable kindling material and approximately ten small dry sticks in the firebox.

Fully open the primary air regulator and pull the flue gas diverter fully out. Ignite the kindling and close the firebox door.

When the kindling burns, open the door slowly and add a few dry logs. Close the door. Once combustion is stable, regulate it with the primary air control. Do not boost combustion with an open ash pan.

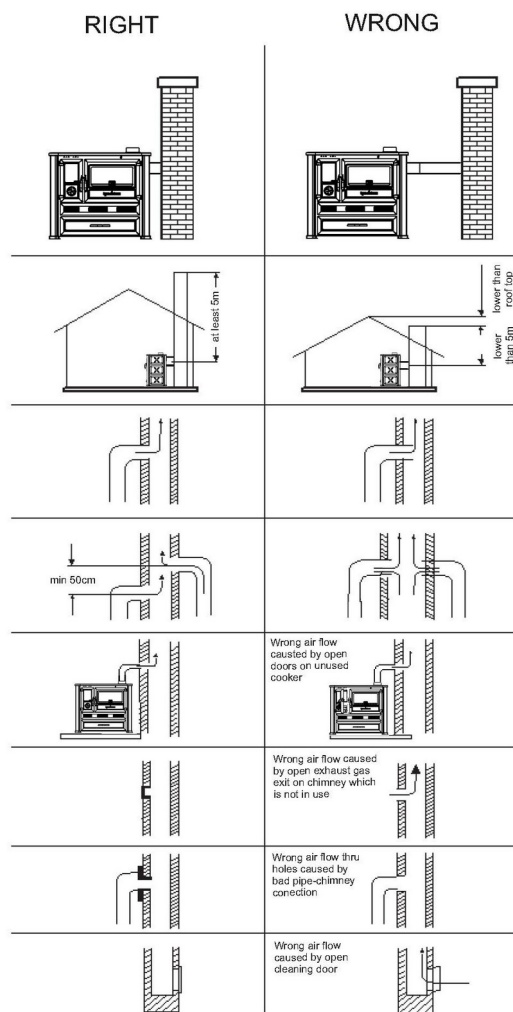


Figure 3 Factory chimney connection examples.

7 Cooking and oven use

The cooker has two separate grates. The upper summer grate brings the fire closer to the cooktop; for winter heating the upper grate can be removed and the lower one used. Change the grates only when the cooker is cold.

With the flue gas diverter pulled out, gases pass directly from below the cooktop to the chimney. Push the diverter in for oven use so gases pass around the oven. Pulling it out reduces oven heating.

Monitor the oven thermometer and add fuel in small quantities. Avoid overfiring and spills. Use flat-bottomed pans. Keep the cooktop free from grease and food deposits.

8 Cleaning and maintenance

Clean and maintain only a cold cooker. Remove ash frequently enough to maintain airflow and protect the grate. Ash may contain glowing embers; keep it in a covered non-combustible container in a safe location.

Regularly clean the firebox, grate, ash pan, flue pipe and passages around, behind and below the oven. Correctly refit any cooktop plates, oven bottom or cleaning cover removed for cleaning before use.

Remove cooktop deposits with a suitable scraper and little moisture. Dry and apply a thin film of salt-free, acid-free oil; do not allow water inside the cooker.

Use a suitable oven cleaner on the enamelled oven. Do not use wire brushes or abrasive products on enamel. Clean external surfaces with a soft cloth and neutral cleaner. Arrange chimney sweeping according to use and the requirements at the installation site.

9 Problems and emergencies

If smoke enters the room, stop refuelling, provide fresh air and check draught, connections, flue cleanliness and the effect of ventilation. Persistent smoke leakage is not normal.

If heating is poor, check fuel dryness, the air and diverter settings and clean flue passages. If the cooker overheats, stop adding fuel, reduce combustion air and keep the firebox door closed.

If a chimney fire is suspected, call 112, close combustion air if possible and do not pour water into the cooker or chimney. Have the system inspected before further use.

10 Warranty and appliance record

Keep the purchase receipt and the dealer-completed warranty record. The factory manual makes warranty conditional on following the instructions and a properly completed warranty document. Confirm the terms with the dealer; these instructions do not extend the warranty. Quote the model and serial number when ordering parts.

Model: _____

Serial number: _____

Purchase date: _____

Dealer: _____

11 Sources

Sources: TIM SISTEM Alma-Mons-EN.pdf, older factory manual EN 12815; ALMA MONS ECO declaration No. 0016/16.12.25, signed 3 June 2026, EN 16510-1:2024 and EN 16510-2-3:2025, test report 30-17815/T, notified body 1015. Energy label ALMA MONS ECO 7.3 kW / A+. Updated 18 September 2026.

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