

RAVELLI RC 120 TOUCH KW 12,00

RAVELLI RC 120 TOUCH Ducted Pellet Stove User Manual

Model: RC 120 TOUCH KW 12,00 | Brand: RAVELLI

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your RAVELLI RC 120 TOUCH ducted pellet stove. Please read all instructions carefully before using the appliance. Keep this manual for future reference.

Safety Information

- Always ensure proper ventilation during operation.
- Do not store flammable materials near the stove.
- Regularly inspect and clean the flue system.
- Only use approved wood pellets as fuel.
- Keep children and pets away from the hot surfaces of the stove.

2. SETUP AND INSTALLATION

The RAVELLI RC 120 TOUCH is designed for freestanding installation and does not require assembly. Proper placement and connection are crucial for safe and efficient operation.

Unpacking

1. Carefully remove the stove from its packaging.
2. Inspect the stove for any signs of damage incurred during transit. Report any damage to your dealer immediately.
3. Remove all internal packaging materials and protective films.

Placement

- Position the stove on a non-combustible surface. If the floor is combustible, a suitable hearth pad must be used.
- Maintain adequate clearances from combustible walls and materials as specified in local building codes.
- Ensure the area around the stove is clear for proper air circulation and maintenance access.

Flue Connection

This model features a direct vent system. Connect the stove to an appropriate flue system according to local regulations and manufacturer guidelines. Ensure all connections are sealed properly to prevent smoke leakage.



Image 1: The RAVELLI RC 120 TOUCH pellet stove, showcasing its design and compact form factor suitable for various installations.

3. OPERATING INSTRUCTIONS

Familiarize yourself with the control panel and the various technologies integrated into your RAVELLI pellet stove for optimal performance.

Initial Start-up

1. Ensure the pellet hopper is filled with quality wood pellets.
2. Verify that the ash drawer (CASSETTO CENERE) is correctly seated and empty.
3. Turn on the main power switch.
4. Follow the on-screen prompts on the touch control panel to initiate the ignition sequence. The SONDA K technology will monitor the flame temperature for reliable ignition.

Key Technologies and Features

- **CLEAR:** An additional air channel creates an air cushion between the flame and the ceramic glass, ensuring the glass remains clean for extended periods.

- **HERMETIC SYSTEM:** This system draws combustion air directly from outside, preserving indoor air quality.
- **PELLET PILOT:** Works with the SONDA K to control pellet load based on the stove's power output, optimizing consumption.
- **RDCS (Ravelli Double Cleaning System):** The self-cleaning brazier performs a double automatic cleaning cycle, first with excess oxygen, then cleaning the base.
- **RFS (Ravelli Flow System):** Exclusive to ducted stoves, this system allows direct control over heat distribution in different rooms to achieve ideal temperatures.
- **SMART FIREPOT:** A micro-cast self-cleaning brazier designed for improved cleaning and maximized energy efficiency.
- **SONDA K:** Detects flame temperature in the combustion chamber for reliable and rapid control during ignition, shutdown, and automatic hot re-ignition.
- **TOTAL KONTROL:** The combination of RDCS and SONDA K for enhanced efficiency and functionality.

Adjusting Heat Output

Use the touch control panel to adjust the desired heat output. The stove will automatically regulate pellet feeding and fan speed to maintain the set temperature. The RFS system allows you to manage heat distribution to different ducted zones.

4. MAINTENANCE

Regular maintenance is essential for the longevity and efficient operation of your pellet stove.

Daily/Weekly Cleaning

- **Ash Drawer (CASSETTO CENERE):** Empty the ash drawer regularly. The frequency depends on usage, but typically every 1-3 days.
- **Brazier (Braciere autopulente):** While the brazier is self-cleaning, occasional manual inspection and removal of any stubborn residue is recommended.
- **Glass:** Use a specialized glass cleaner for wood stoves to clean the ceramic glass. The CLEAR system helps reduce soot buildup, but periodic cleaning is still necessary.

Seasonal Maintenance

- At the end of each heating season, perform a thorough cleaning of the entire stove, including the flue pipes and internal components.
- It is recommended to have a qualified technician inspect and service the stove annually.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your pellet stove.

Common Issues and Solutions

- **Stove not igniting:** Check pellet level, ensure brazier is clean, verify power supply.
- **Low heat output:** Check pellet quality, clean brazier and flue, ensure proper air intake.
- **Excessive smoke:** Inspect flue for blockages, ensure proper draft, check pellet quality.

- **Error codes on display:** Refer to the specific error code in the detailed troubleshooting section of the full manual (if available) or contact customer support.

If you are unable to resolve an issue after consulting this section, please contact a qualified service technician.

6. SPECIFICATIONS

| Feature | Specification |
|------------------|--|
| Brand | RAVELLI |
| Model | RC 120 TOUCH KW 12,00 |
| Material | Stainless Steel, Cast Iron (Top and Front) |
| Thermal Power | 1200 Watt (12 KW) |
| Ventilation Type | Direct Vent |
| Efficiency | High Efficiency |
| Mounting Type | Freestanding |
| Coverage | Up to 120 sq m |
| Brazier | Self-cleaning |
| Stove Type | Hermetic |
| Fans | 1 front, 2 for ducting |

7. WARRANTY AND SUPPORT

Your RAVELLI RC 120 TOUCH pellet stove comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions.

Customer Support

For technical assistance, spare parts, or warranty claims, please contact your authorized RAVELLI dealer or visit the official RAVELLI website for support contact information.