

CADEL 7024018

CADEL CRISTAL 7 T2 7kW Ventilated Pellet Stove User Manual

Model: 7024018

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your CADEL CRISTAL 7 T2 7kW Ventilated Pellet Stove. Please read this manual thoroughly before using the appliance and keep it for future reference. Proper use and maintenance will ensure optimal performance and longevity of your stove.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.

- Always ensure adequate ventilation in the room where the stove is installed.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Keep children and pets away from the hot surfaces of the stove.
- Only use approved wood pellets (Ø 6 mm) as fuel. Do not use other fuels.
- Regularly clean the stove and flue pipes to prevent soot buildup and ensure safe operation.
- Professional installation by a certified technician is highly recommended to ensure compliance with local regulations and safety standards.

3. PRODUCT OVERVIEW

The CADEL CRISTAL 7 T2 is a 7 kW ventilated pellet stove designed to provide efficient heating for residential spaces. It features a robust construction and a user-friendly interface for controlling its operation.



Image 1: Front view of the CADEL CRISTAL 7 T2 7kW Ventilated Pellet Stove. The stove features a red exterior casing, a black front door with a glass window revealing burning pellets, and a black top panel with ventilation grilles. The CADEL logo is visible on the lower part of the front door.

4. SETUP

4.1. Installation

Installation of the CADEL CRISTAL 7 T2 pellet stove must be carried out by qualified personnel in accordance with all local and national building and safety codes. This includes proper connection to a suitable flue system (Ø 80 mm) and ensuring adequate combustion air supply (Ø 60 mm).

4.2. Initial Checks

- Verify that all packaging materials have been removed from the stove.
- Ensure the pellet hopper is clean and free of debris.
- Check that the ash pan is correctly seated.

4.3. Loading Pellets

1. Open the pellet hopper lid located on the top of the stove.
2. Carefully pour approved Ø 6 mm wood pellets into the hopper, ensuring not to overfill. The hopper capacity is 15 kg.
3. Close the hopper lid securely.

5. OPERATING INSTRUCTIONS

5.1. Starting the Stove

1. Ensure the stove is connected to a power supply.
2. Press the ON/OFF button on the control panel. The stove will initiate its start-up sequence, which includes pellet loading and ignition.
3. Monitor the ignition process through the glass door. Flames should appear within a few minutes.

5.2. Adjusting Settings

Use the control panel buttons to adjust the desired room temperature and fan speed. Refer to the specific instructions on the control panel for detailed navigation. The stove operates with a nominal power of 7 kW and a reduced power of 2.5 kW.

5.3. Shutting Down

To turn off the stove, press the ON/OFF button again. The stove will enter a cooling cycle, during which the fan will continue to operate to cool down internal components. Do not unplug the stove during the cooling cycle.

6. MAINTENANCE

Regular maintenance is crucial for the safe and efficient operation of your pellet stove.

6.1. Daily/Weekly Cleaning

- **Ash Removal:** Empty the ash pan regularly (daily or every few days, depending on usage). Ensure the stove is completely cool before handling ash.
- **Burn Pot Cleaning:** Clean the burn pot to remove any unburnt pellets or clinkers.
- **Glass Cleaning:** Clean the inside of the glass door with a suitable glass cleaner designed for stoves when the stove is cold.

6.2. Monthly/Seasonal Maintenance

- **Flue Pipe Cleaning:** Inspect and clean the flue pipes to remove soot and creosote buildup. This should be done at least once a month during heavy use, or seasonally.
- **Heat Exchanger Cleaning:** Clean the heat exchanger surfaces to maintain efficiency.
- **General Inspection:** Check all seals and gaskets for wear and tear. Replace if necessary.

6.3. Professional Servicing

It is recommended to have your pellet stove professionally serviced at least once a year by a qualified technician. This ensures thorough cleaning, inspection of critical components, and optimal performance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Stove does not ignite.	No pellets in hopper, igniter failure, clogged burn pot.	Check pellet level, clean burn pot, contact service for igniter.
Poor heat output.	Low power setting, dirty heat exchanger, poor quality pellets.	Increase power setting, clean heat exchanger, use high-quality pellets.
Excessive smoke.	Clogged flue pipe, insufficient air supply.	Clean flue pipe, ensure air intake is clear.

For issues not listed here or if problems persist, please contact CADEL customer support or a qualified technician.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Nominal Power	7 kW
Hearth Power	7.7 kW
Heatable Volume (min/max)	71 / 200 m ³
Heatable Surface (min/max)	26 / 74 m ²
Tank Capacity	15 kg
Autonomy (min/max)	8.8 / 25 h


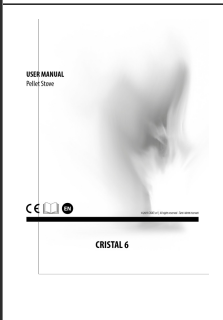
Specification	Value
Hourly Consumption (min/max)	0.6 / 1.7 kg/h
Nominal Efficiency	90 %
Reduced Efficiency	91 %
Reduced Power	2.5 kW
Net Weight	56 kg
Fuel Type	Pellet Ø 6 mm
Flue Gas Outlet	Ø 80 mm
Combustion Air Intake	Ø 60 mm





9. WARRANTY AND SUPPORT

Your CADEL CRISTAL 7 T2 pellet stove is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical support, spare parts, or warranty claims, please contact your authorized CADEL dealer or visit the official CADEL website for contact information.

Website: www.cadel.it

Related Documents - 7024018

	<p>PIKO 6 - ELLIOT 6 Pellet Stove Installation Manual CADEL</p> <p>Comprehensive installation guide for the CADEL PIKO 6 and ELLIOT 6 pellet stoves. Covers safety, installation procedures, flue systems, and technical data.</p>
	<p>CADEL CRISTAL 6 Pellet Stove User Manual</p> <p>Comprehensive user manual for the CADEL CRISTAL 6 pellet stove, covering installation, operation, safety, maintenance, and troubleshooting. Learn how to safely and efficiently use your pellet stove.</p>

	<p>Benutzerhandbuch CADEL CRISTAL 6 Pelletofen - Installation, Bedienung & Wartung</p> <p>Umfassendes Benutzerhandbuch für den CADEL CRISTAL 6 Pelletofen. Enthält Anleitungen zur Installation, sicheren Bedienung, Fehlerbehebung und Wartung für maximale Effizienz und Langlebigkeit.</p>
	<p>Manual de Usuario ZEN AIRTIGHT Estufas Insertables CADEL</p> <p>Guía completa del usuario para la estufa insertable ZEN AIRTIGHT de CADEL. Incluye instalación, uso, mantenimiento, seguridad y solución de problemas.</p>
	<p>CADEL Pelletofen Benutzerhandbuch: CRISTAL 9, LIFE 9, CRISTAL PLUS 9, ICON PLUS 9, STEEL 9</p> <p>Umfassendes Benutzerhandbuch für CADEL Pelletofen Modelle CRISTAL 9, LIFE 9, CRISTAL PLUS 9, ICON PLUS 9 und STEEL 9. Enthält Anleitungen zu Installation, Bedienung, Sicherheit, Wartung und Fehlerbehebung.</p>
	<p>CADEL Pellet Stove Installation Manual</p> <p>Comprehensive installation manual for CADEL pellet stoves, including models ZEFIRO, ZEN, PONENTE, and ZENITH. Covers safety, setup, technical specifications, and troubleshooting for installers.</p>