

LISTED: UL 1482 - 2011, UL 737 - 2011, ULC-S627 - 2000, SOLID FUEL TYPE ROOM HEATERS

ROSA XXL UL-C ROSA L UL-C MILLY UL-C

INSTALLATION AND OPERATING INSTRUCTIONS

SAFETY INFORMATION

WARNING

PLEASE READ ENTIRE MANUAL BEFORE YOU INSTALL AND USE YOUR NEW APPLIANCE.

If this appliance is not properly installed, a house fire may result. To reduce the risk of fire, follow the installation instructions. Failure to follow instructions may result in property damage, bodily injury, or even death.

- **AUTHORITIES HAVING JURISDICTION (SUCH AS MUNICIPAL BUILDING DEPARTMENT, FIRE DEPARTMENT, FIRE PREVENTION BUREAU, ETC.) SHOULD BE CONSULTED BEFORE INSTALLATION TO DETERMINE THE NEED TO OBTAIN A PERMIT.**
- **HOT WHILE IN OPERATION. KEEP CHILDREN, CLOTHING AND FURNITURE AWAY. CONTACT MAY CAUSE SKIN BURNS.**
- Do not use an elevated grate or otherwise raise the fire.
- Do not use chemicals or fluids to start the fire - do not burn garbage or flammable fluids
- Do not connect to any air distribution duct or system
- Do not burn lawn clippings / waste, rubber, waste petroleum products, paints or paint thinners / solvents, plastic, materials containing asbestos, construction debris, railroad ties, manure or animal remains, salt water driftwood or salted materials, unseasoned wood, coloured paper, cardboard, plywood or particleboard. Burning these materials may result in release of toxic fumes or render the appliance ineffective and cause smoke.

INSTALLER: LEAVE THIS MANUAL WITH THE APPLIANCE.

CONSUMER: SAVE THESE INSTRUCTIONS.

NEVER LEAVE CHILDREN OR OTHER AT RISK INDIVIDUALS ALONE WITH THE APPLIANCE.

WARNING



HOT GLASS WILL CAUSE BURNS.

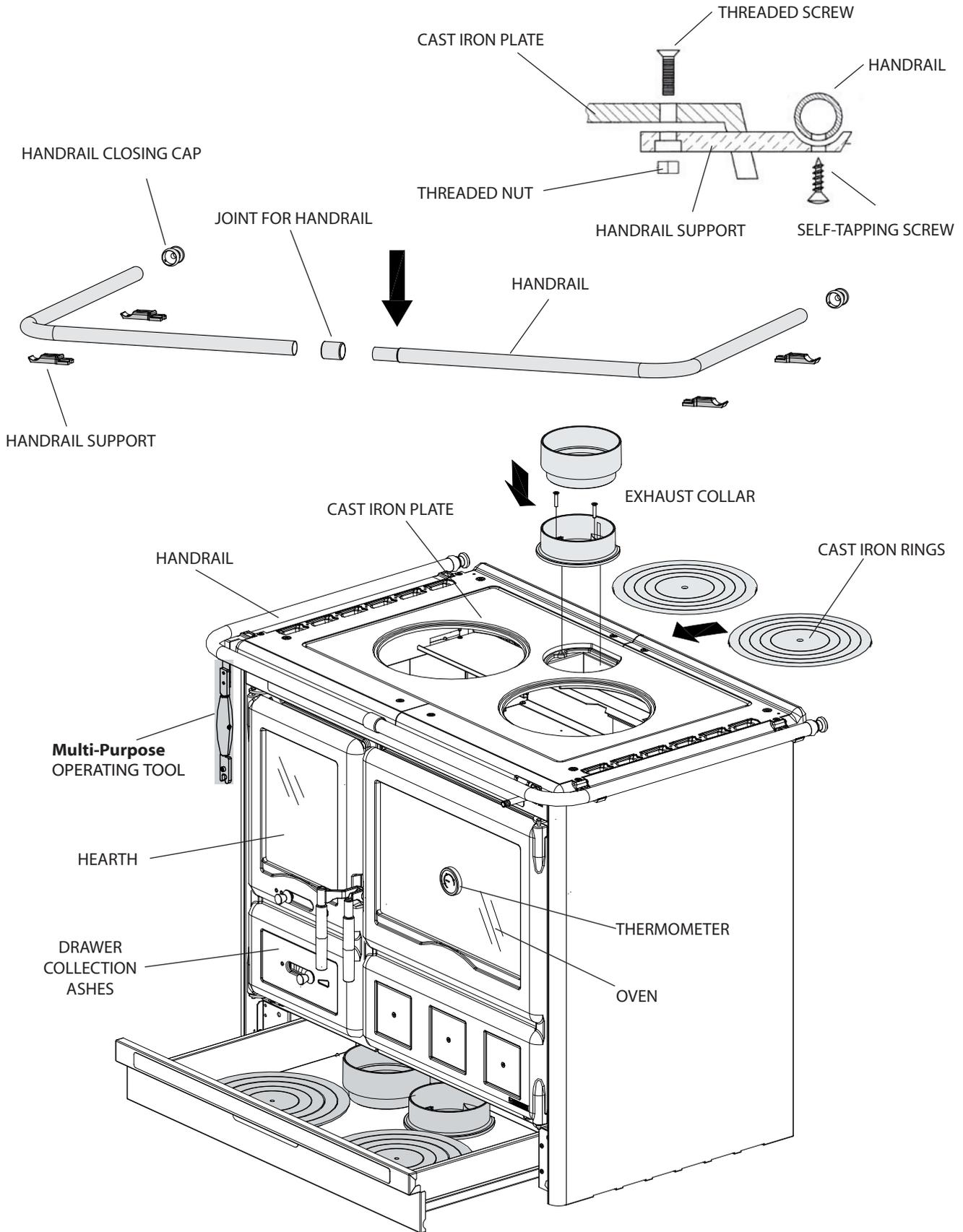
DO NOT TOUCH GLASS UNTIL COOLED.

NEVER ALLOW CHILDREN TO TOUCH GLASS.

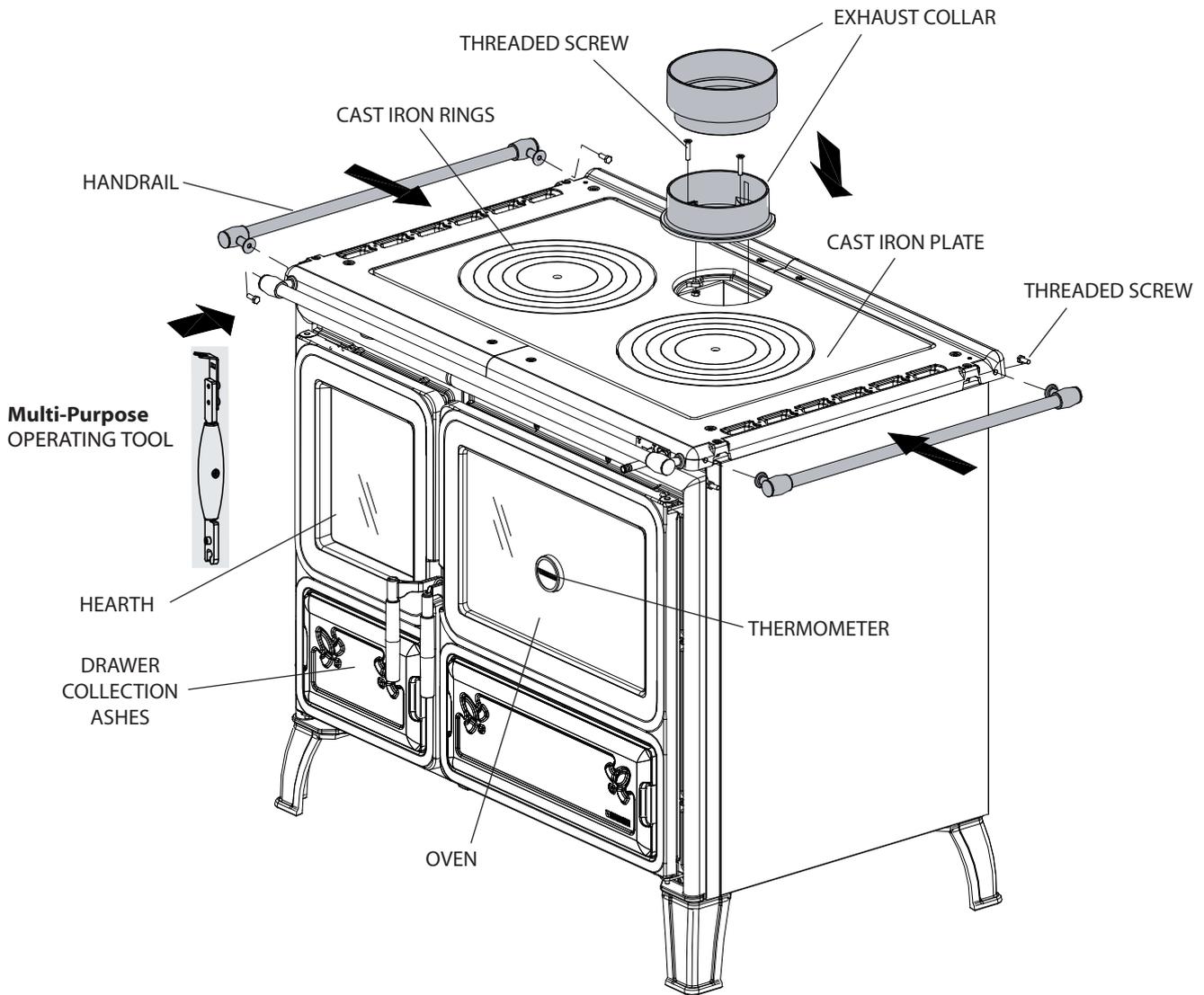
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1.0 INSTALLATION OVERVIEW

1.1 ROSA XXL UL-C - ROSA L UL-C



1.2 MILLY UL-C



! WARNING

THE COOK STOVES MUST BE INSTALLED WITH THE LEGS PROVIDED (IF APPLICABLE), ATTACHED AS SHOWN WITHIN THESE INSTALLATION AND OPERATING INSTRUCTIONS.

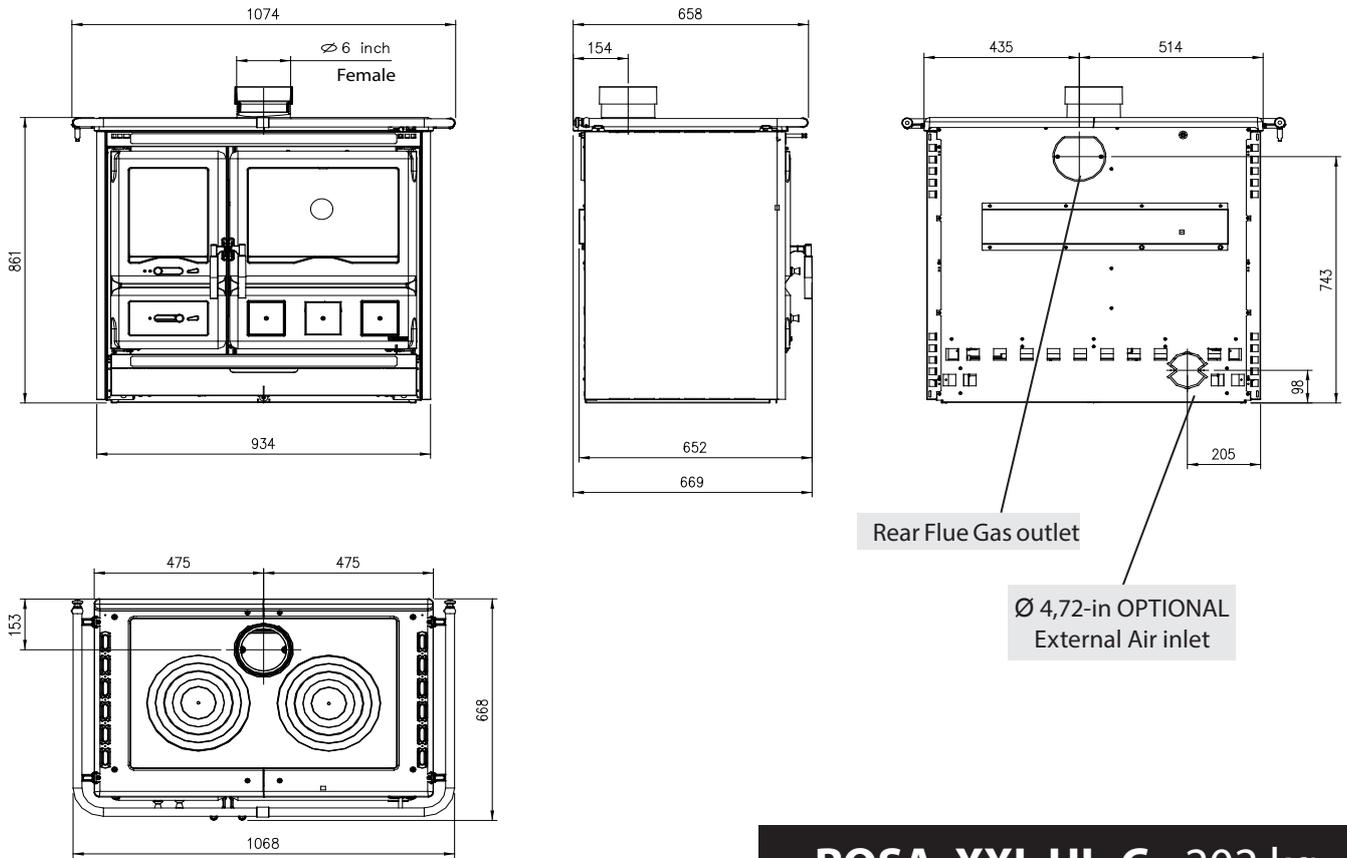
DO NOT OBSTRUCT THE SPACE BENEATH THE APPLIANCE.

2.0 INTRODUCTION

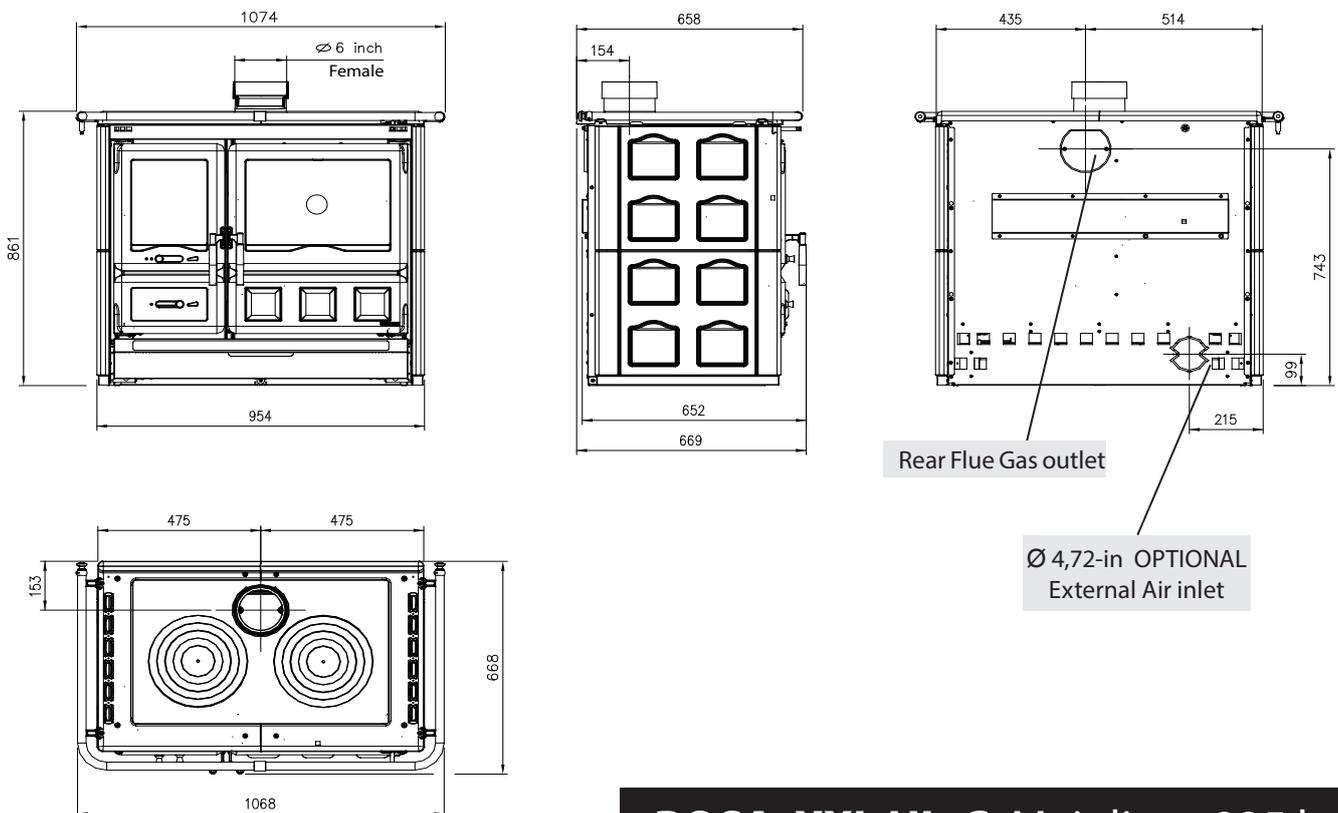
WARNING

- ◆ THIS APPLIANCE IS HOT WHEN OPERATED AND CAN CAUSE SEVERE BURNS IF CONTACTED.
- ◆ Do not operate this appliance before reading and understanding the operating instructions. Failure to operate appliance according to operating instructions could cause fire or injury. Consult the authorities that have jurisdiction (e.g. municipal building department, fire department, fire prevention bureau, etc.) and follow their guidelines. Notify your insurance company of this appliance as well.
- ◆ Never try to repair or replace any part of the appliance unless instructions are given in this manual. All other work should be done by a trained technician.
- ◆ Risk of burns. The appliance should be turned off and cooled before servicing.
- ◆ Do not operate without fully assembling all components.
- ◆ Do not install damaged, incomplete or substitute components.
- ◆ Risk of cuts and abrasions. Wear protective gloves and safety glasses during installation. Sheet metal edges may be sharp.
- ◆ Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to an appliance or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.
 - ◆ Clothing or other flammable material should not be placed on or near the appliance.
 - ◆ Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
 - ◆ Ensure you have incorporated adequate safety measure to protect infants/toddlers from touching hot surfaces.
 - ◆ Even after the appliance is switched off, the glass and/or screen will remain hot for an extended period of time.
 - ◆ Check with your local hearth specialty dealer for safety screens and hearth guards to protect children from hot surfaces. These screens and guards must be fastened to the floor.
 - ◆ Any safety screen or guard removed for servicing must be replaced prior to operating the appliance. It is imperative that the control compartments, burners and circulating blower and its passageway in the appliance and venting system are kept clean. The appliance and its venting system should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.
- ◆ This appliance shall not be modified or sabotaged.
- ◆ Do not use this appliance if any part has been underwater. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been underwater.
- ◆ Do not operate the appliance with the glass door removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person. The viewing door and ash pan must be closed and latched during operation.
- ◆ Do not strike or slam shut the appliance glass door.
- ◆ Only doors / optional fronts certified with the unit are to be installed on the appliance.
- ◆ Keep the packaging material out of reach for children and dispose of the material in a safe manner. As with all plastic bags, these are not toys and should be kept away from children and infants.
- ◆ If the appliance is not properly installed, a house fire may result. Do not expose the appliance to the elements (ex. rain, etc.) and keep the appliance dry at all times. Wet insulation will produce an odour when the appliance is used.
- ◆ The chimney must be sound and free of cracks. Clean your chimney a minimum of twice a year and as required.
- ◆ The appliance is designed and approved for dry logs wood fuel only. Any other type of fuel burned in this appliance will void the warranty and safety listing.
- ◆ Do not start a fire with chemicals or fluids such as gasoline, engine oil, etc.
- ◆ Ashes must be disposed in a metal container with a tight lid and placed on a non-combustible surface well away from the home or structure.
- ◆ Your appliance requires periodic maintenance and cleaning. Failure to maintain your appliance may lead to smoke spillage in your home.
- ◆ Ensure clearances to combustibles are maintained when building a mantel or shelves above the appliance. Elevated temperatures on the wall or in the air above the appliance can cause melting, discolouration or damage to decorations, a T.V. or other electronic components.
- ◆ SAVE THESE INSTRUCTIONS. This manual has important operating and maintenance instructions that you will need at a later time. Always follow the instructions in this manual.
- ◆ THE EXHAUST SYSTEM SHOULD BE CHECKED AND CLEANED ONCE A YEAR MINIMUM FOR ANY BUILD-UP OF SOOT OR CREOSOTE.
- ◆ THIS APPLIANCE BECOMES VERY HOT, YOU MUST WEAR HEAT RESISTANT GLOVES WHEN CLEANING OR HANDLING THIS APPLIANCE.

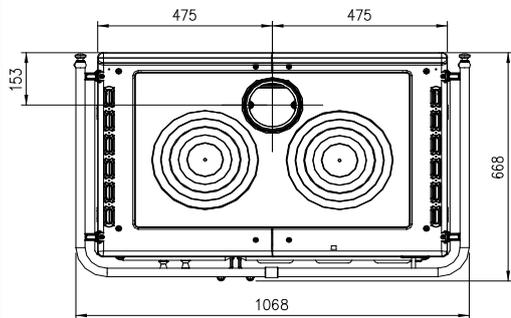
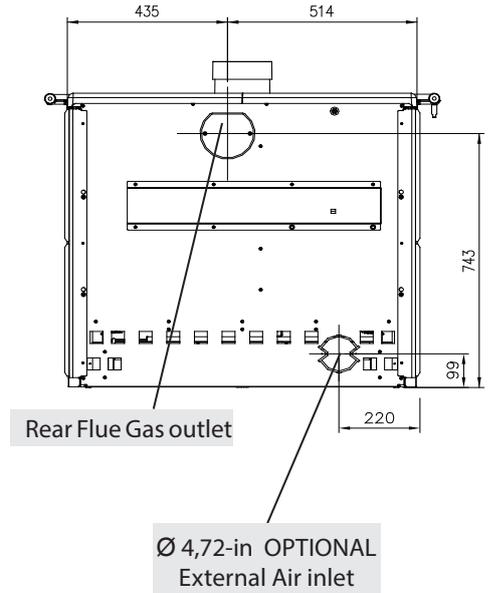
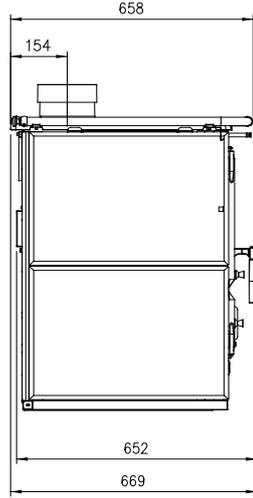
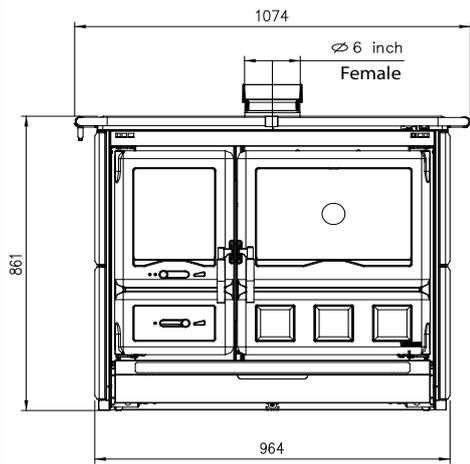
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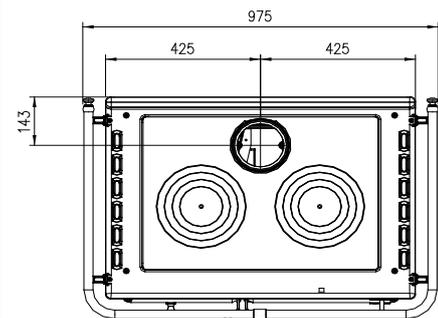
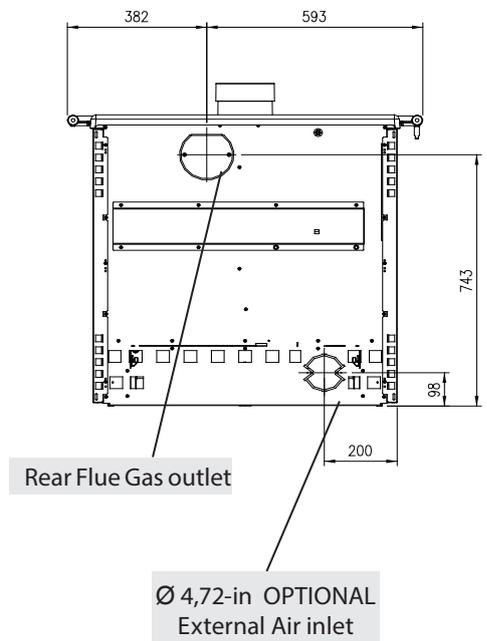
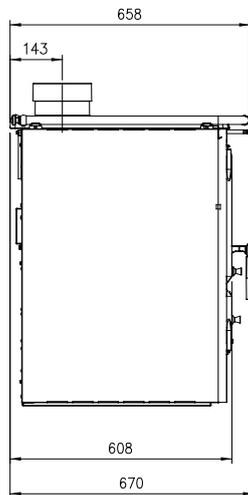
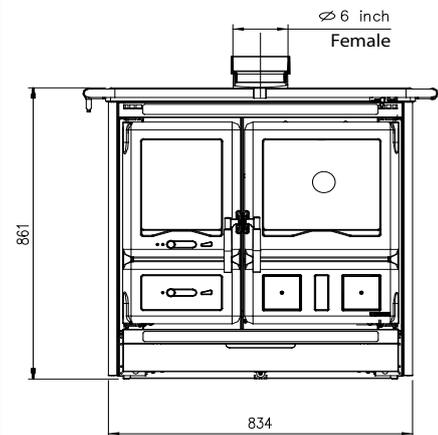
ROSA XXL UL-C - 202 kg



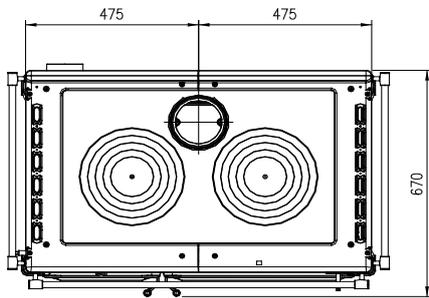
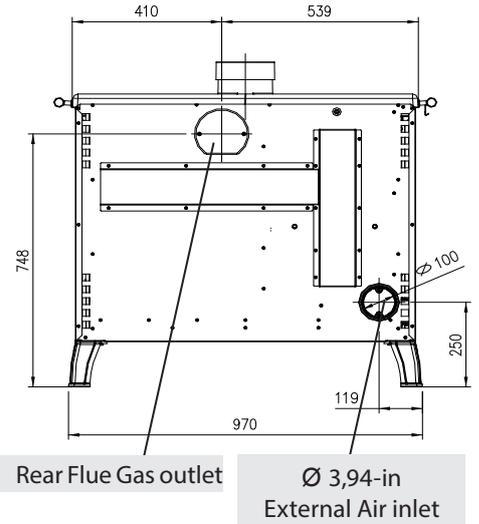
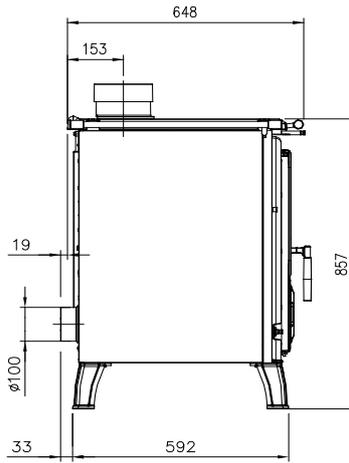
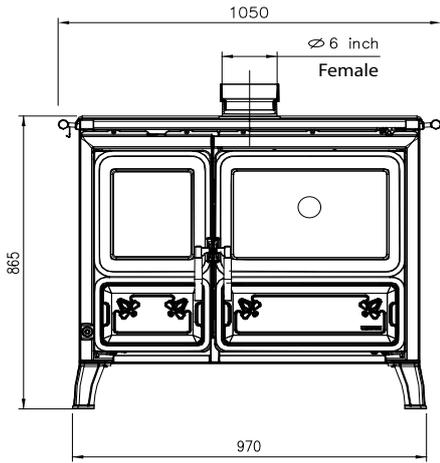
ROSA XXL UL-C Maiolica - 235 kg



ROSA XXL UL-C Petra - 275 kg



ROSA L UL-C - 192 kg

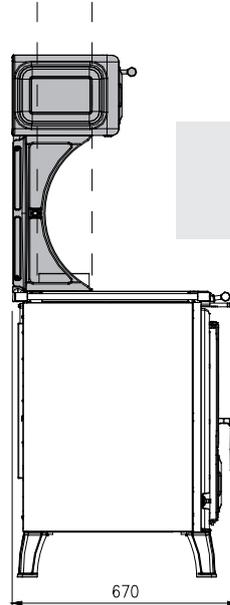
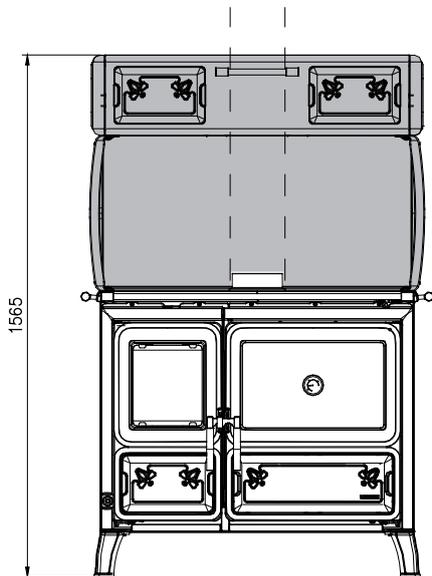


! WARNING

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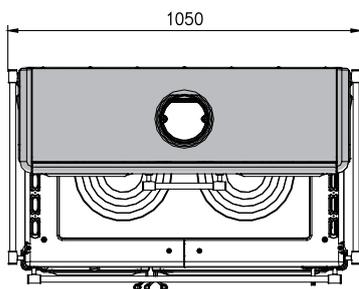
DO NOT OBSTRUCT THE SPACE BENEATH THE APPLIANCE.

MILLY UL-C - 217 kg



**MILLY TOP FOOD WARMER
OPTIONAL**

52 kg



! WARNING

NEVER INTRODUCE FLAMMABLE OBJECTS OR MATERIALS INTO THE FOOD WARMER HOLDER

2.2 SPECIFICATIONS

	ROSA XXL UL-C	ROSA L UL-C	MILLY UL-C
Flue Gas outlet diameter in mm	150	150	150
Hearth opening size in mm (W x H)	225 x 210	225 x 210	240 x 185
Hearth size in mm (W x H x D)	296 x 306 x 460	296 x 306 x 460	270 x 287 x 455
Oven size in mm (W x H x D)	436 x 418 x 430	307 x 418 x 430	436 x 418 x 430
Type of grill	Movable - flat	Movable - flat	Movable - flat
Height in mm	861	861	865
Width in mm	1074	975	1050
Depth in mm	669	670	670
Weight in kg	Chapter DIMENSIONS		

2.2.1 HEATING SPECIFICATIONS

	ROSA XXL UL-C	ROSA L UL-C	MILLY UL-C
Nominal power in kW	8,5	8,1	8,7
Efficiency in %	85	84	89
Chimney height \geq (m) - dimension (mm)	(*) 4 - 200x200 Ø200	(*) 4 - 200x200 Ø200	(*) 4 - 200x200 Ø200
Chimney draught in Pa (mm H ₂ O)	12 (1,2 mm H ₂ O)	12 (1,2 mm H ₂ O)	12 (1,2 mm H ₂ O)
Chimney draught MAX in Pa (mm H ₂ O)	(***)15 (1,5 mm H ₂ O)	(***)15 (1,5 mm H ₂ O)	(***)15 (1,5 mm H ₂ O)
Hourly wood consumption in kg / h	2,3	2,3	2,3
CO measured at 13% oxygen in %	0,08 - (1000 mg/Nm ³)	0,1 - (1212 mg/Nm ³)	0,07 - (900mg/Nm ³)
Flue Gas emission in g/s – wood	6,2	7	5,8
Flue Gas temperature in °C - wood	232	202	180
Heatable volume in m ³ (30 kcal/h x m ³)	244 (**)	232 (**)	249 (**)

(*) The proposed value are indicative. This appliance must be connected to (1) a listed Type HT (2100°F) chimney per UL 103 or ULC S629, or (2) a code-approved masonry chimney with a flue liner. The chimney size should not be less than or more than three times greater than the cross-sectional area of the flue collar.

(**) For those buildings in which the thermal insulation does not correspond to the instructions on heat protection, the heating volume of the product is: favourable type of building (30 kcal/h x m³); less favourable type of building (40 kcal/h x m³); unfavourable type of building (50 kcal/h x m³).

(***) When the depression exceeds 15 Pa (=1.5 mm of column of water), it is necessary to reduce the same by installing an appropriate device on the exhaust pipe or in the chimney, according to the regulations in force.

With thermal insulation in accordance with the regulations regarding energy saving, the heated volume is greater. With temporary heating, in the event of interruptions which last more than 8 hours, the heating capacity is reduced by about 25%.

The declared technical data have been achieved by burning beech wood class "A1" according to the requirement UNI EN ISO 17225-5 and wood moisture content less than 20%. By burning a different kind of wood the efficiency of the product itself could change and some specific adjustments on the appliance could be needed.

2.2.2 CALCULATION OF THE THERMAL POWER

There is not an absolute rule for calculating the correct necessary power. This power is given according to the space to be heated, but it depends also largely on the insulation. On an average, the calorific value necessary for a properly insulated room is **30 kcal/h per m³** (for an external temperature of 0°C).

Given that **1 kW corresponds to 860 kcal/h**, it is possible to adopt a value of **35 W/m³**.

Let's suppose one wishes to heat a room of 150 m³ (10 x 6 x 2.5 m) in an insulated apartment. In this case, it is necessary to have 150 m³ x 35 W/m³ = 5250 W or 5,25 kW. As main heating, a 8 kW device is therefore sufficient.

Fuel	Unit	Approximate combustion value		Required quantity in relation to 1 kg of dry wood
		kcal/h	kW	
Dry wood (15% humidity)	kg	3600	4.2	1,00
Wet wood (50% humidity)	kg	1850	2.2	1,95
Wood briquettes	kg	4000	5.0	0,84
Brown coal briquettes	kg	4800	5.6	0,75
Normal anthracite	kg	7700	8.9	0,47
Coke	kg	6780	7.9	0,53
Natural gas	m ³	7800	9.1	0,46
Naphtha	L	8500	9.9	0,42
Electricity	kW/h	860	1.0	4,19

2.4 GENERAL INFORMATION

2.4.1 ALLOWED FUELS SPECIFICATIONS

! WARNING

ALLOWED FUELS ARE LOGS. USE EXCLUSIVELY DRY LOGS (MAX. CONTENT OF WATER 20%).

MAXIMUM 3 LOGS SHOULD BE LOADED.

THE PIECES OF WOOD SHOULD HAVE A LENGTH OF CA. 20-30 CM AND A MAXIMUM CIRCUMFERENCE OF 30-35 CM.

NOT WORKED-OUT WOOD BRIQUETTES MUST BE USED CAREFULLY TO AVOID OVERHEATING THAT MAY DAMAGE THE DEVICE, SINCE THESE HAVE A VERY HIGH CALORIFIC VALUE.

IT IS NOT POSSIBLE TO BURN: COAL, CUTTINGS, WASTE OF BARK AND PANELS, HUMID WOOD OR WOOD TREATED WITH PAINTS, PLASTIC MATERIALS; IN THIS CASE, THE WARRANTY ON THE DEVICE BECOMES VOID.

THE COMBUSTION OF WASTE IS FORBIDDEN AND WOULD EVEN DAMAGE THE APPLIANCE AND THE FLUE, CAUSING HEALTH DAMAGES AND CLAIMS BY THE NEIGHBORHOOD OWING TO THE BAD SMELL.

WHEN USING THE WRONG FUEL OR ONE WHICH IS TOO DAMP, DUE TO DEPOSITS PRESENT IN THE FLUE, A SOOT FIRE IS POSSIBLE.

PAPER AND CARDBOARD MUST BE USED ONLY TO LIGHT THE FIRE.

THE WOOD IS NOT A FUEL WHICH ALLOWS A CONTINUOUS OPERATION OF THE APPLIANCE, AS CONSEQUENCE THE HEATING ALL OVER THE NIGHT IS NOT POSSIBLE.

NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR 'FRESHEN UP' A FIRE IN THIS HEATER.
KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE HEATER WHILE IT IS IN USE.

WOOD STANDARDS

The declared technical data have been achieved by burning beech wood class "A1" according to the requirement UNI EN ISO 17225-5 and wood moisture content less than 20%. By burning a different kind of wood the efficiency of the product itself could change and some specific adjustments on the appliance could be needed.

The wood used as fuel must have a humidity content lower than the 20% and must be stored in a dry place.

Humid wood tends to burn less easily, since it is necessary a greater quantity of energy to dry the wood out. Moreover, humid content has the disadvantage that, when temperature decreases, the water condensates earlier in the hearth and therefore in the chimney causing a remarkable deposit of soot that could catch fire.

Fresh wood contains about 60% of H₂O, therefore it is not suitable to be burnt.

It is necessary to place this wood in a dry and ventilated place (for example under a roofing) for at least two years before using it.

Variety	kg/mc	kWh/kg moistness 20%
Beech	750	4,0
Oak	900	4,2
Elm	640	4,1
Poplar	470	4,1
Larch*	660	4,4
Spruce*	450	4,5
Scots pine *	550	4,4

* RESINOUS WOOD LESS SUITABLE FOR THE BURNING

! WARNING

THE CONTINUOUS AND PROTRACTED USE OF AROMATIC WOOD (E.G. EUCALYPTUS, MYRTLE ETC.) QUICKLY DAMAGES THE CAST IRON PARTS (CLEAVAGE) OF THE PRODUCT.

3.0 INSTALLATION PLANNING

WARNING

READ THIS ENTIRE MANUAL BEFORE YOU INSTALL AND USE THIS APPLIANCE. FAILURE TO FOLLOW THE INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY OR EVEN DEATH.

USE ONLY APPROVED OPTIONAL ACCESSORIES AND REPLACEMENT PARTS WITH THIS APPLIANCE. USING NON-LISTED ACCESSORIES AND REPLACEMENT PARTS (BLOWERS, DOORS, GASKETS, VENT COMPONENTS, ETC.) COULD RESULT IN A SAFETY HAZARD AND WILL VOID THE WARRANTY.

THE COATING USED MUST BE NON-COMBUSTIBLE AND APPROVED ACCORDING TO STANDARD UL1618 FOR USA OR APPROVED TO THE LOCALS CODES.

Installation of the Product and auxiliary equipment in relation to the heating system must comply with all current Standards and Regulations and to those envisioned by the law.

The installation and the relating to the connections of the system, the commissioning and the check of the correct functioning must be carried out in compliance with the regulations in force by authorised professional personnel with the requisites required by the law, being national, regional, provincial or town council present in the country within which the appliance is installed, besides these present instructions.

Installation must be carried out by authorised personnel who must provide the buyer with a system declaration of conformity and will assume full responsibility for final installation and as a consequence the correct functioning of the installed product.

The Product, assembled and ready for the installation, must be connected with a junction to the existing flue of the house. The junction must be possibly short, straight, horizontal or positioned a little uphill. The connections must be tight.

Before installing this appliance, carry out the following checks:

- check where the flue gas connection is located on the appliance, i.e. UPPER - REAR - LATERAL
- verify if your structure can support the weight of the appliance. In case of insufficient carrying capacity it is necessary to adopt appropriate measures, La NORDICA responsibility is limited to the supply of the appliance (See chapter TECHNICAL DESCRIPTION).
- Make sure that the floor can support the weight of the appliance (for ex. distributing weight plate), and if it is made of flammable material, provide suitable **UL 1618** listed floor protector.
- Make sure that there is adequate ventilation in the room where the appliance is to be installed, with particular attention to windows and doors with tight closing (seal ropes).
- Do not install the appliance in rooms containing collective ventilation ducts, hoods with or without extractor, type B gas appliances, heat pumps, or other appliances that, operating at the same time, can put the room in depression.
- Make sure that the flue and the pipes to which the appliance will be connected are suitable for its operation. It is NOT allowed the connection of several appliances to the same chimney.
- The diameter of the opening for connection to the chimney must at least correspond to the diameter of the flue gas pipe. The opening must be equipped with a wall connection for the insertion of the exhaust pipe and a rosette.
- The unused flue gas exhaust connection must be covered with its respective cap (see chapter DIMENSIONS).
- The installation must be appropriate and has to allow the cleaning and maintenance of the product and the flue.
- It is recommended to install smoke detectors.

Your authorized local chimney sweeper must be informed about the installation of the appliance so that he can check the correct connection to the chimney.

WARNING

THE COOK STOVES MUST BE INSTALLED WITH THE LEGS PROVIDED (IF APPLICABLE), ATTACHED AS SHOWN WITHIN THESE INSTALLATION AND OPERATING INSTRUCTIONS. DO NOT OBSTRUCT THE SPACE BENEATH THE APPLIANCE.

LA NORDICA S.P.A. DECLINES ALL RESPONSIBILITY FOR DAMAGE TO THINGS AND/OR PERSONS CAUSED BY THE SYSTEM. IN ADDITION, IT IS NOT RESPONSIBLE FOR ANY PRODUCT MODIFIED WITHOUT AUTHORISATION AND EVEN LESS FOR THE USE OF NON ORIGINAL SPARE PARTS.

3.1 APPLIANCE MINIMUM CLEARANCE TO COMBUSTIBLES

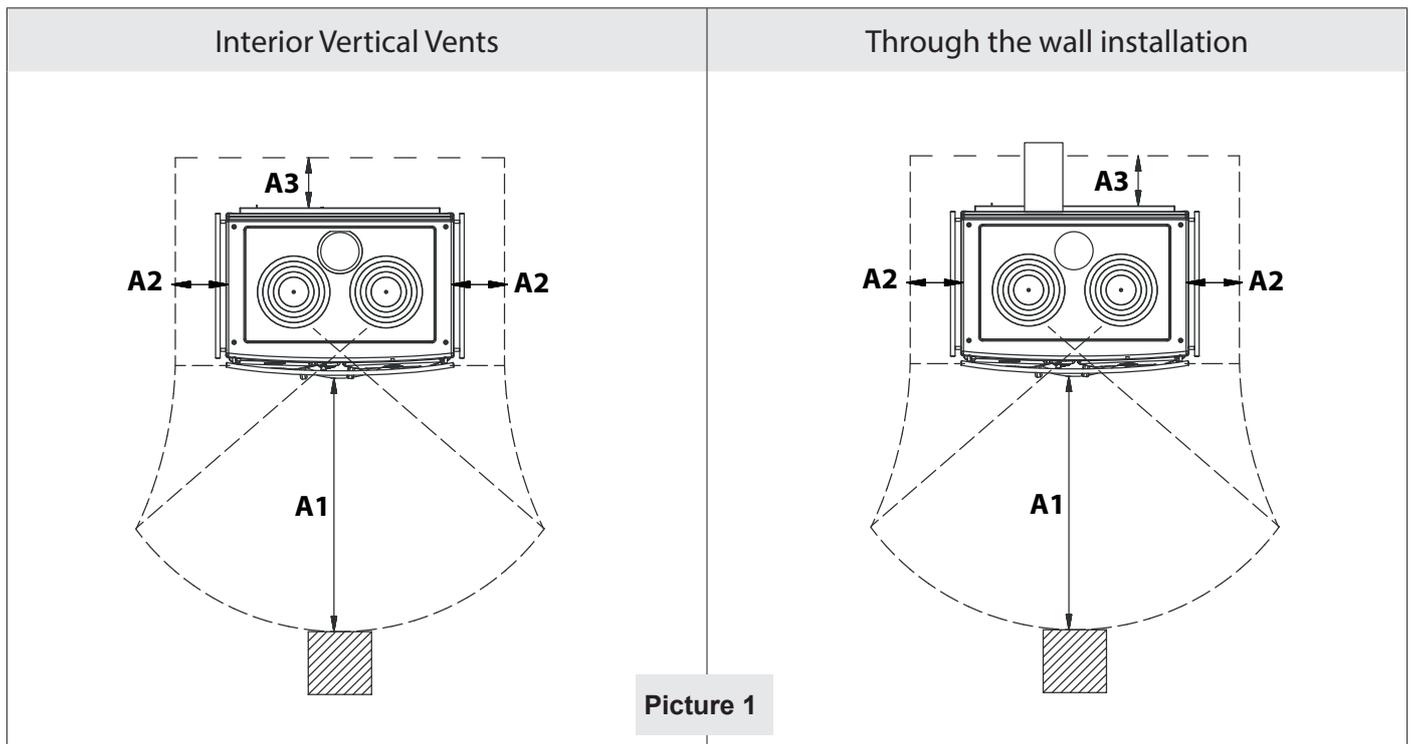
When installing the product, the following safety measures must be observed:

- a) In order to ensure sufficient thermal insulation, respect the minimum safety distance from objects or furnishing components flammable and sensitive to heat (furniture, wood sheathings, fabrics. etc.) and from materials with flammable structure (see **Picture 1** - distances A1, A2, and A3). **All the minimum safety distances are shown on the product data plate and lower values must not be used** (see DECLARATION OF PERFORMANCE).
- b) In front of the furnace door, in the radiation area there must be non-flammable nor heat-sensitive objects or material closer than **Picture 1** - distance **A1**.

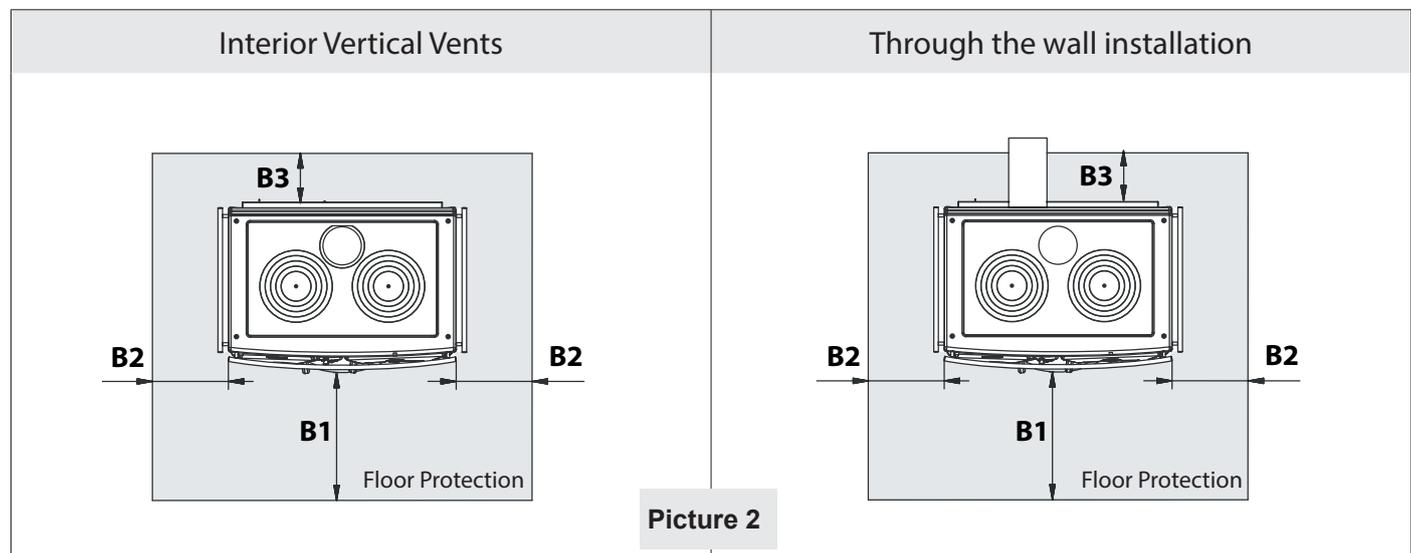
- c) If the product is installed on a flammable floor, a floor protection must be installed. **The floors made of flammable material**, such as moquette, parquet or cork etc., **must be covered** by a floor protector. SUCH FLOOR PROTECTOR SHALL BE A LISTED UL 1618 MATERIAL.
The floor protector shall be placed under the appliance and it must extend at least **16-in (419 mm)** beyond the front and at least **8-in (203 mm)** beyond each side of the fuel loading and ash removal opening (see **Picture 2** - distance **B**).

inches (mm)	A1	A2	A3	B1	B2	B3
ROSA XXL UL-C	40 in (1016 mm)	10 in (254 mm)	15 in (381 mm)	16 in (406 mm)	8 in (203 mm)	2 in (50.8 mm)
ROSA L UL-C	40 in (1016 mm)	10 in (254 mm)	15 in (381 mm)	16 in (406 mm)	8 in (203 mm)	2 in (50.8 mm)
MILLY UL-C	40 in (1016 mm)	10 in (254 mm)	15 in (381 mm)	16 in (406 mm)	8 in (203 mm)	2 in (50.8 mm)

3.1.1 STRAIGHT INSTALLATION



3.1.2 FLOOR PROTECTION INSTALLATION REQUIREMENTS



3.2 THE CHIMNEY

Essential requirements for correct appliance operation:

- ◆ DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.
- ◆ THIS APPLIANCE MUST BE CONNECTED TO (1) A LISTED TYPE HT (2100 °F) CHIMNEY PER UL 103 OR ULC S629 OR (2) A CODE-APPROVED MASONRY CHIMNEY WITH A FLUE LINER.
- ◆ THE CHIMNEY SIZE SHOULD NOT BE LESS THAN OR MORE THAN THREE TIMES GREATER THAN THE CROSS-SECTIONAL AREA OF THE FLUE COLLAR.



FOR A CORRECT INSTALLATION PLEASE RESPECT THE SECTIONS/LENGTHS OF THE FLUE SHOWN IN THE TECHNICAL DATA TABLE. BY INSTALLATIONS WITH DIFFERENT DIMENSIONS THE FLUE MUST BE SUITABLY SIZED IN ACCORDANCE WITH CAN/ULC S629 M87 IN CANADA AND TO UL 103 (TYPE HT 2100°F) IN USA.

WARNING

THE CHIMNEYS USED MUST BE IN ACCORD TO
CAN/ULC S629 M87 IN CANADA AND TO UL 103 (TYPE HT 2100°F) IN USA.

THE FLUE MUST BE AT A SUITABLY DISTANCE FROM FLAMMABLE OR COMBUSTIBLE MATERIAL USING SUITABLE
INSULATION OR AN AIR SPACE.

IT IS FORBIDDEN TO CREATE MOVEABLE OR FIXED OPENINGS ON THE FLUE ITSELF, FOR THE CONNECTION OF FURTHER
DIFFERENT APPLIANCES (SEE CHAPTER CONNECTING A FIREPLACE OR OPEN HEARTH TO THE FLUE).

3.2.1 CHIMNEY CONNECTOR

The chimney connector must be as short as possible, straight horizontal and positioned slightly in ascent, and watertight.

Connection to the chimney shall be performed attaching and securing the connections with a minimum of three screws to the product and to each adjoining section.

Connection must be carried out with stable and robust pipes, comply with all current Standards and Regulations and to those envisioned by the law, and be hermetically secured to the flue. **Chimney Connector size to be used: 24 ga black or blued-steel, 6-inch diameter. The chimney pressure (DRAUGHT) must be at least** (see chap. TECHNICAL DATA SHEET) Pascal. The measurement has always to be carried out with hot device (rated thermal performance).



WHEN THE DEPRESSION EXCEEDS 15 PA (=1.5 MM OF COLUMN OF WATER), IT IS NECESSARY TO REDUCE THE SAME BY INSTALLING AN AN APPROPRIATE DEVICE ON THE EXHAUST PIPE OR IN THE CHIMNEY, ACCORDING TO THE REGULATIONS IN FORCE.

WARNING

THE CHIMNEYS USED MUST BE TESTED ACCORDING TO
CAN/ULC S629 M87 IN CANADA AND TO UL 103 (TYPE HT 2100°F) IN USA.

THE FLUE MUST BE PROPERLY SPACED FROM ANY FLAMMABLE MATERIALS OR FUELS THROUGH A PROPER INSULATION
OR AN AIR CAVITY. MINIMUM DISTANCE SAFETY 25 CM.

THE UNUSED FLUE GAS EXHAUST HOLE MUST BE COVERED WITH ITS RESPECTIVE CAP (See Chapter: Dimensions).

FOR CORRECT APPLIANCE OPERATION, IT IS ESSENTIAL THAT SUFFICIENT AIR FOR COMBUSTION IS INTRODUCED INTO
THE PLACE OF INSTALLATION (see paragraph VENTILATION AND AERATION OF THE INSTALLATION PREMISES).

FOR CANADA: A CHIMNEY CONNECTOR SHALL NOT PASS THROUGH AN ATTIC, ROOF SPACE, CLOSET, FLOOR, CEILING,
OR SIMILAR CONCEALED SPACE. WHERE PASSAGE THROUGH A WALL OR PARTITION OF COMBUSTIBLE CONSTRUCTION IS
DESIRED, THE INSTALLATION SHALL CONFORM WITH CAN/CSA-B365.

3.2.2 CHIMNEY AND CHIMNEY CONNECTOR MAINTENANCE

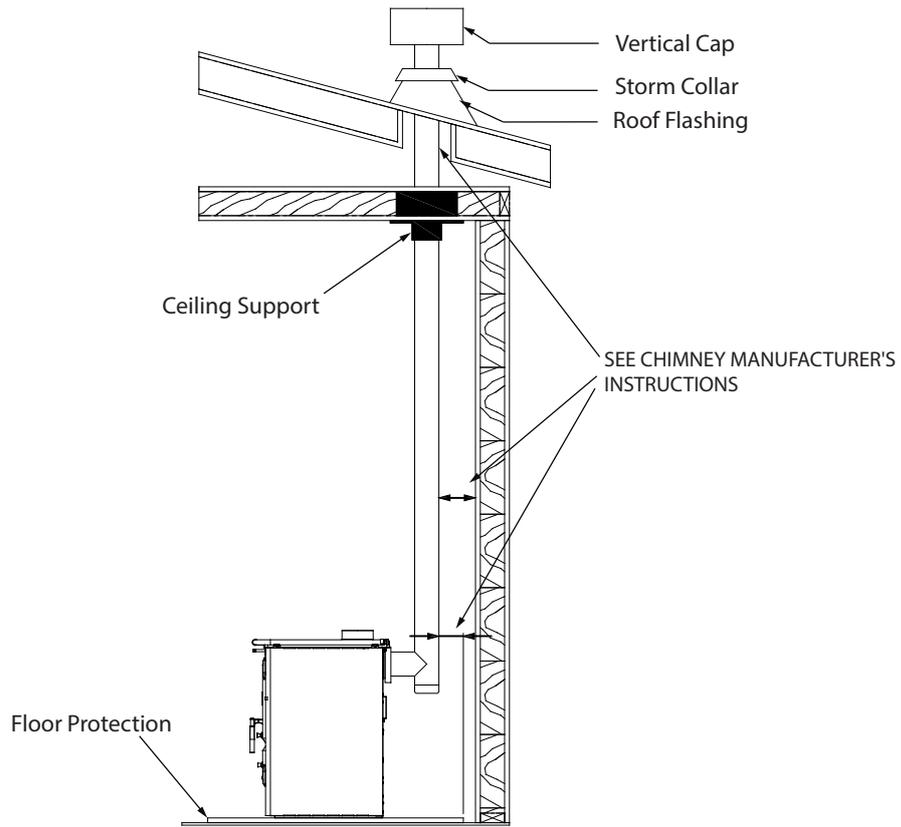
Inspection, maintenance, and cleaning of the chimney and chimney connector shall be guaranteed to handle the potential formation of Creosote.

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited this creosote makes an extremely hot fire. When burning wood, the chimney connector and chimney should be inspected at least once every two months during the heating season to determine if a creosote buildup has occurred.

3.2.3 MINIMUM INSIDE VERTICAL CLEARANCES

**NOTE:
FOLLOW CHIMNEY
MANUFACTURER'S
SPECIFICATIONS**

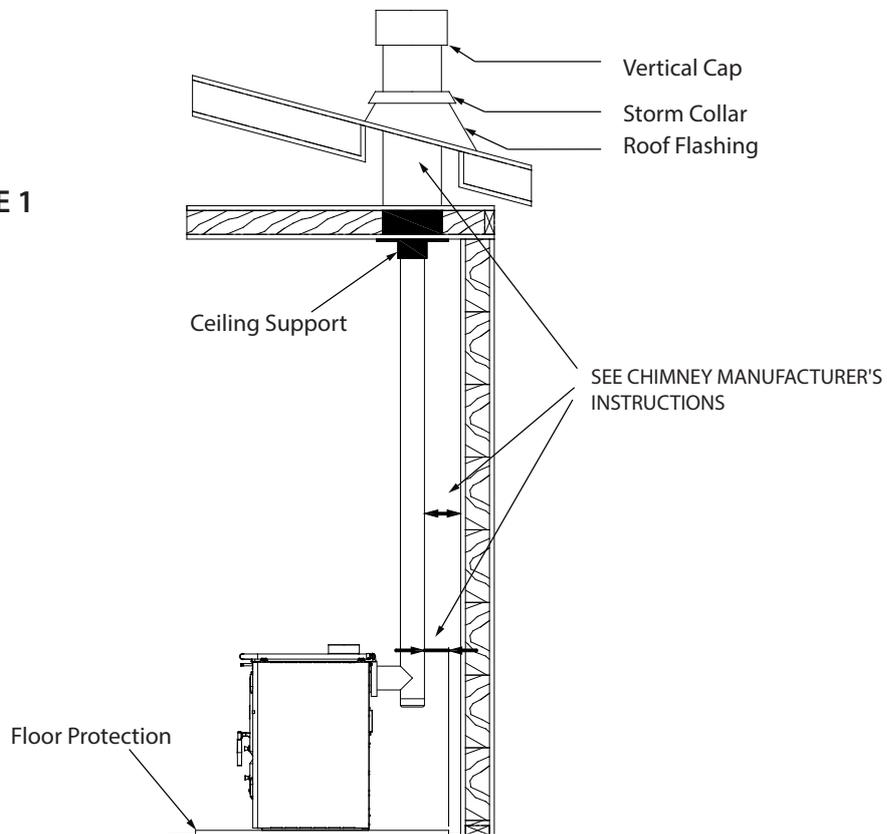
INSTALLATION TYPE 1



3.2.4 CLASS A CHIMNEY RETROFIT

**NOTE:
FOLLOW CHIMNEY
MANUFACTURER'S
SPECIFICATIONS**

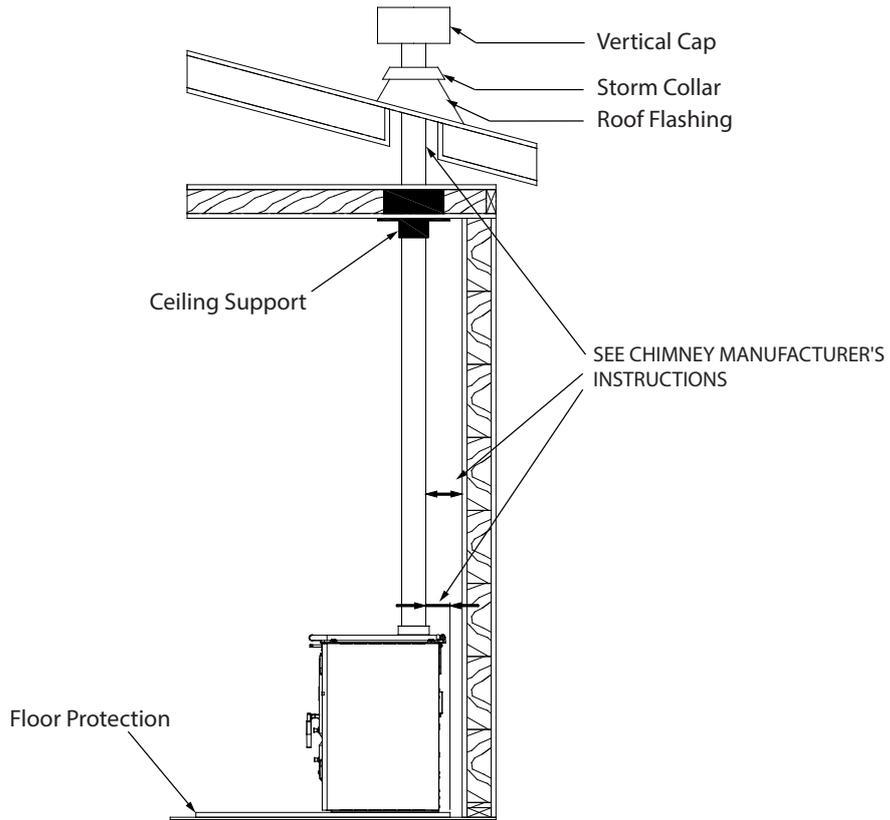
INSTALLATION TYPE 1



3.2.5 MINIMUM INSIDE VERTICAL CLEARANCES

**NOTE:
FOLLOW CHIMNEY
MANUFACTURER'S
SPECIFICATIONS**

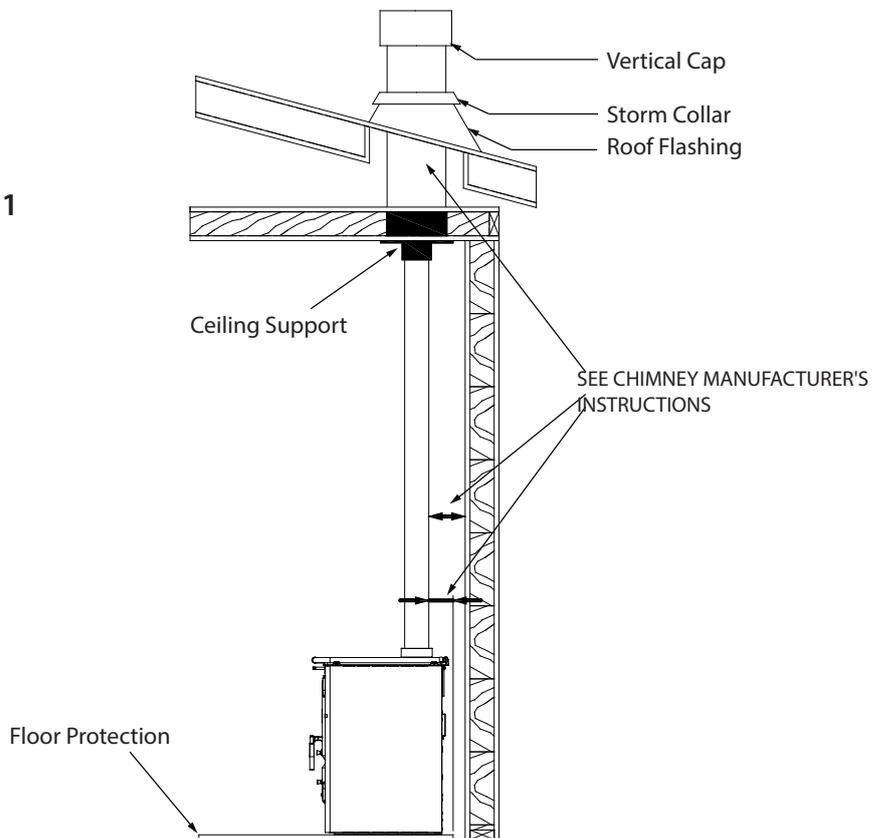
INSTALLATION TYPE 1



3.2.6 CLASS A CHIMNEY RETROFIT

**NOTE:
FOLLOW CHIMNEY
MANUFACTURER'S
SPECIFICATIONS**

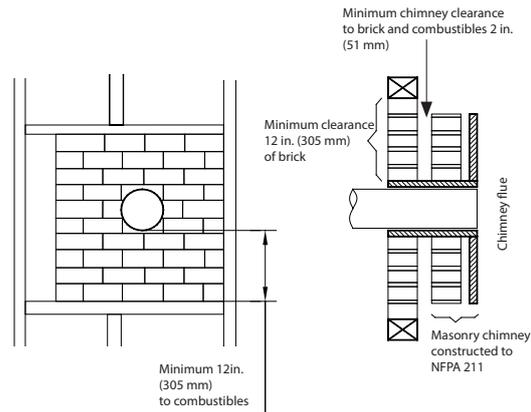
INSTALLATION TYPE 1



3.2.7 CHIMNEY CONNECTOR SYSTEM AND CLEARANCE FROM COMBUSTIBLE WALLS RESIDENTIAL HEATING APPLIANCES

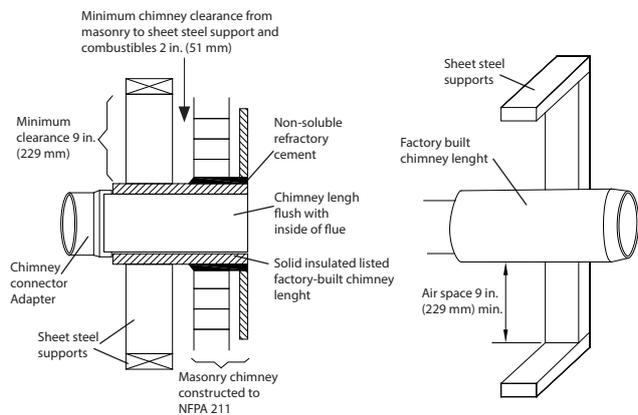
A

Minimum 3.5-in thick brick masonry all framed into combustibile wall with a minimum of 12-in brick separation from clay liner to combustibles. the fireclay liner shall run from outer surface of brick wall to, but not beyond, the inner surface of chimney flue liner and shall be firmly connected in place.



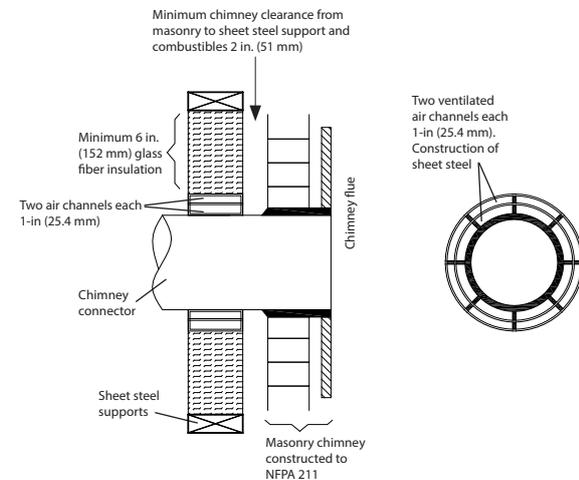
B

Solid-insulated, listed factory-built chimney length of the same inside diameter as the chimney connector and having 1-in or more of insulation with a minimum 9-in air space between the outer wall of the chimney length and combustibles.



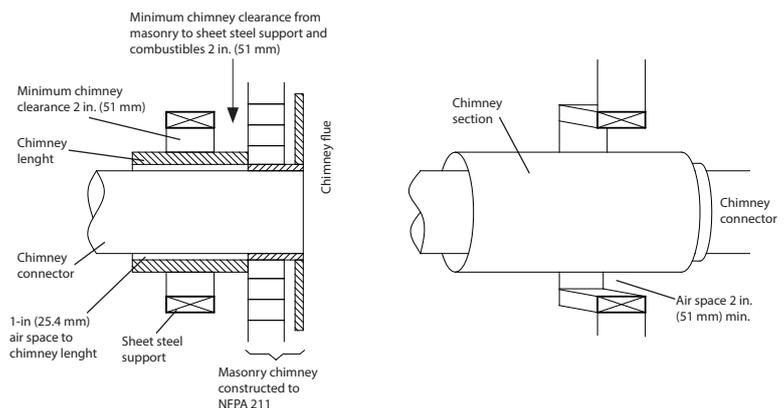
C

Sheet steel chimney connector, minimum 24 gauge in thickness, with a ventilated thimble, minimum 24 gauge in thickness, having two 1-in air channels, separated from combustibles by a minimum of 6-in of glass fiber insulation. Opening shall be covered, and thimble supported with a sheet steel support, minimum 24 gauge in thickness.



D

Solid insulated, listed factory-built chimney length with an inside diameter 2-in larger than the chimney connector and having 1-in or more of insulation, serving as a pass-through for a single wall sheet steel chimney connector of minimum 24 gauge thickness, with a minimum 2-in air space between the outer wall of chimney section and combustibles. Minimum length of chimney section shall be 12-in chimney section spaced 1-in away from connector using sheet steel support plates on both ends of chimney section supported on both sides with sheet steel supports securely fastened to wall surfaces of minimum 24 gauge thickness. Fasteners used to secure chimney section shall not penetrate chimney flue liner.



3.3 VENTILATION AND AERATION OF THE INSTALLATION PREMISES

AS THE PRODUCT MIGHT DRAW COMBUSTION AIR FROM THE PLACE OF INSTALLATION, IT IS **MANDATORY** THAT IN THE PLACE ITSELF, A SUFFICIENT QUANTITY OF AIR IS INTRODUCED. IF THE HOUSE IS EQUIPPED WITH A WELL-SEALED VAPOR BARRIER AND TIGHT-FITTING WINDOWS AND/OR HAS ANY POWERED DEVICES THAT EXHAUST HOUSE AIR IT IS POSSIBLE THAT THE FRESH AIR INTAKE IS NO LONGER GUARANTEED AND THIS JEOPARDISES THE DRAUGHT OF THE APPLIANCE AND YOUR HEALTH AND SAFETY.

Provision for outside combustion air may be necessary to ensure that the product do not discharge products of combustion into the house. Guidelines to determine the need for additional combustion air may not be adequate for every situation. If in doubt, it is advisable to provide additional air.

Outside combustion air may be required if:

1. The solid-fuel-fired appliance does not draw steadily, smoke rollout occurs, fuel burns poorly, or back-drafts occur whether or not there is combustion present.
2. Existing fuel-fired equipment in the house, such as fireplaces or other heating appliances, smell, do not operate properly, suffer smoke roll-out when opened, or back-draft whether or not there is combustion present.
3. Opening a window slightly on a calm (windless) day alleviates any of the above symptoms.
4. The house is equipped with a well-sealed vapor barrier and tight fitting windows and/or has any powered devices that exhaust house air.
5. There is excessive condensation on windows in the winter.
6. A ventilation system is installed in the house.

If these or other indications suggest that infiltration air is inadequate, additional combustion air should be provided from the outdoors. Outside combustion air can be provided to the appliance by the following means:

1. Indirect method: the outside air is ducted to a point no closer than (12 in.) 300 mm from the appliance, to avoid affecting the performance of the appliance.
2. A mechanical ventilation system: if the house has a ventilation system (air change or heat recovery):
 - The ventilation system may be able to provide sufficient combustion make-up air for the solid-fuel-fired appliance.
 - The householder should be informed that the ventilation system might need to be re-balanced by a ventilation technician after installation of the appliance.

IMPORTANT: For a better comfort and corresponding oxygenation of the place of installation, the combustion air can be withdrawn from the outside of the building through a pipe (not furnished) that which shall have a minimum according the OPTIONAL RING Air Fitting described in Chapt. ACCESSORIES. This pipe must have a maximum length of 118-in (3 m) and no more than 3 bends.

The air inlets must meet the following requirements:

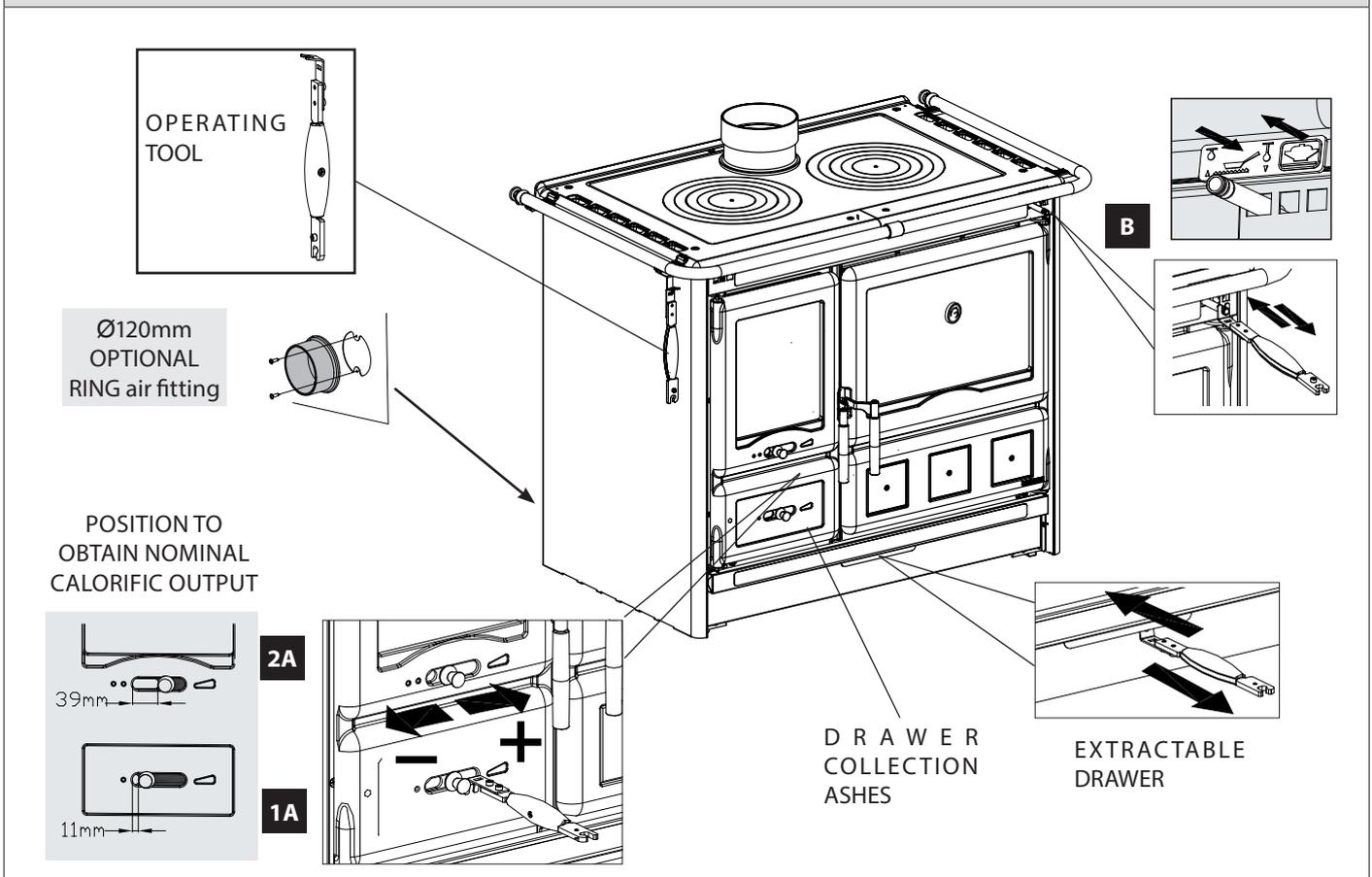
- they must be protected with grids, metal mesh, etc., but without reducing the net useful section;
- maintenance of the inlet shall be easy and feasible;
- positioned so that they cannot be obstructed;

WARNING

INSTALLATION IN PREMISES WITH FIRE HAZARDS IS FORBIDDEN.

ALL NATIONAL, AND LOCAL STANDARDS IN FORCE IN THE COUNTRY WHERE THE APPLIANCE IS INSTALLED MUST BE COMPLIED WITH.

4.0 - ROSA XXL UL-C / ROSA L UL-C



4.1 TECHNICAL DESCRIPTION

The cookers of La Nordica are suitable to cook on the grill and on the oven and to heat living spaces for some periods or to support an insufficient centralized heating system. They are ideal for holiday apartments and weekend houses or as an auxiliary heating system during the whole year. AS FUEL, WOOD LOGS IS USED. **THE APPLIANCE WORKS AS AN INTERMITTENT OPERATING APPLIANCE.** The cooker is made of galvanized and enamelled steel sheets and enamelled cast iron (doors, front side, plate). The hearth is totally sheathed with single cast iron sheets and it is endowed with a pre-adjusted tertiary air for a better combustion. Inside there is a thick flat grate.

THE HEARTH IS EQUIPPED WITH A PANORAMIC DOOR WITH A TWO CERAMIC GLASSES (resistant up to 700 °C). This allows a wonderful view on the burning flames. Furthermore, it is thus avoided the output of sparks and smoke.

Below the oven door there is an extractable wood drawer, with the related closing door.

As an **ACCESSORY** it is available also a CHROMIUM PLATED GRATE for the oven and a POKER that are already INCLUDED.

THE HEATING OF THE ENVIRONMENT IS MADE BY RADIATION: THROUGH THE PANORAMIC GLASS AND THE EXTERNAL HOT SURFACES OF THE STOVE, THE HEAT IS RADIATED TO THE ENVIRONMENT.

! WARNING

NEVER INTRODUCE FLAMMABLE OBJECTS OR MATERIALS IN TO THE FOOD WARMER HOLDER

4.2 ACCESSORIES

ACCESSORIES	Multi-Purpose OPERATING TOOL	CHROME PLATED OVEN GRILLE	POKER	RING air fitting
ROSA XXL UL-C - ROSA L UL-C	SERIES	SERIES	SERIES	OPTIONAL

4.3 COOKER CONTROLS

THE COOKER IS EQUIPPED WITH CONTROLS OF PRIMARY AND SECONDARY AIR BY WHICH IT IS ADJUSTED THE COMBUSTION AIR.

1A – PRIMARY AIR CONTROL

With the inferior air control, which is on the fire door, it is adjusted the passage of primary air into the low part of the cooker, through the drawer of ash and the grate in the fuel direction. The primary air is necessary for the combustion process. The ash drawer must be regularly emptied, so that the ash does not obstruct the primary air entry for the combustion. Through the primary air the fire is also kept alive. When the knob is completely on the left, the register is closed, when the knob is completely on the right the register is opened. THE PRIMARY AIR REGISTER MUST BE ALMOST COMPLETELY CLOSED DURING WOOD COMBUSTION, AS OTHERWISE THE WOOD BURNS TOO QUICKLY AND THE COOKER MAY OVERHEAT.

2A – SECONDARY AIR CONTROL

On the hearth door there is the secondary air register. This knob must be totally moved to the right in order to open the control, especially for wood combustion (see paragraph Table). The secondary air, passing between the double glass of the fire door, heats itself starting the double combustion and keeping at the same time the glass clean (with open register).

It is possible to get the air SECONDARY directly from outside through a flexible tube fireproof NOT furnished (see chapter VENTILATION AND AERATION OF THE INSTALLATION PREMISES).

THE CONTROL REGULATION NECESSARY IN ORDER TO OBTAIN **NOMINAL CALORIFIC** OUTPUT IS THE FOLLOWING:

(see Cap. HEATING SPECIFICATION)	1A - PRIMARY air	2A - SECONDARY air	TERTIARY air
ROSA XXL UL-C / ROSA L UL-C	OPEN	OPEN	PRE-ADJUSTED

B – SMOKE control (Picture 7)

(Conversion of the cooker function to the cooker, bake oven and heating function).

The smokes control, in the style of a chromed pull push lever, can be found on the top right corner of the front side of the cooker, between the protection bar and the oven door. This control has two settings:

- HOTPLATE USE: when the bar is pushed to the back of the cooker, the combustion gases flow around the oven and directly into the flue and up to the chimney.
- OVEN COOKING: when the control bar is pulled out, the combustion gases flow around the oven, heating it.

4.3.1 TO IGNITE THE FLAME

TO IGNITE THE FLAME follow the instructions below (see Cap. IGNITION) :

- ♦ Bring the flue gas control to the cooker position (any butterfly valve placed on the flue gas exhaust pipe must also be opened).
- ♦ Open the primary and secondary air control.
- ♦ After having started the fire with small pieces of wood and waited until it is well lit.
- ♦ Bring the flue gas control to the oven position.
- ♦ Close any butterfly valve placed on the flue gas exhaust pipe must also be opened.

THE CONTROL REGULATION **DURING THE IGNITION PHASE** IS THE FOLLOWING :

	1A - PRIMARY air	2A - SECONDARY air	B - SMOKE control
IGNITION PHASE	OPEN	OPEN	HOTPLATE USE

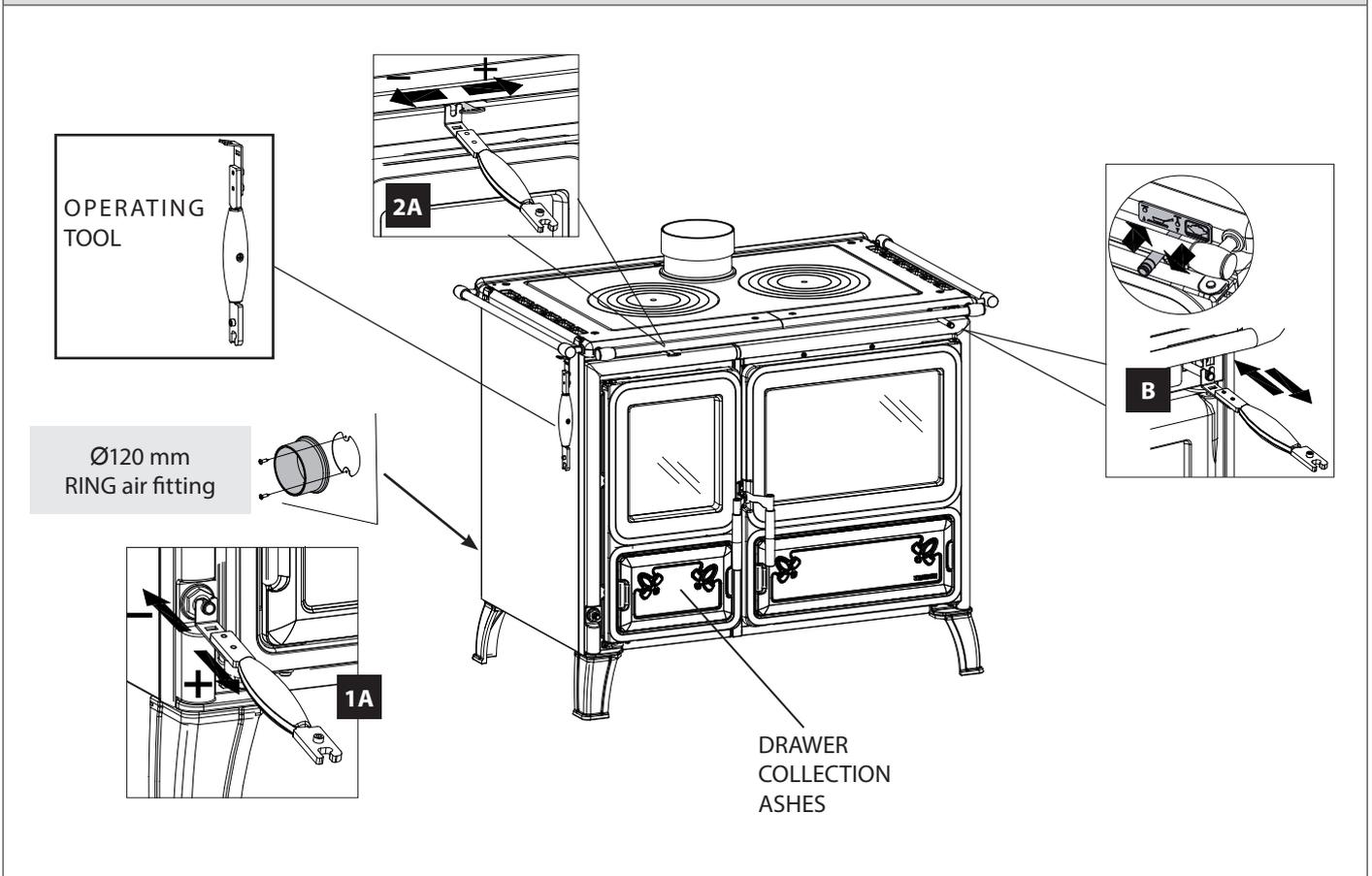
4.3.2 HOW TO SET THE MACHINE TO BOIL WATER

- ♦ Keep the flue gas register on the cooker function – HOTPLATE USE.
- ♦ Primary air HALF open.
- ♦ Secondary air completely OPEN.
- ♦ Load wood as described in the manual (hourly load = hourly consumption).

4.3.3 HOW TO SET THE MACHINE TO COOK BISCUITS

- ♦ Keep the flue gas register on the cooker function – OVEN COOKING.
- ♦ Primary air CLOSED.
- ♦ Secondary air completely OPEN.
- ♦ Switch the cooker on with a moderate load of wood until the oven thermometer indicates 180 °C.
- ♦ Wait for 220-230 °C to be reached without additional wood being loaded.
- ♦ Load a single piece of wood weighing 500 - 600 g one at a time and wait for it to burn completely before adding another.
- ♦ This keeps the oven temperature stable around 220-230 °C.
- ♦ Place the tray of biscuits in the medium position for 10 minutes.
- ♦ Turn the tray halfway through cooking, if necessary.

5.0 MILLY UL-C



5.1 TECHNICAL DESCRIPTION

The cookers of La Nordica are suitable to cook on the grill and on the oven and to heat living spaces for some periods or to support an insufficient centralized heating system. They are ideal for holiday apartments and weekend houses or as an auxiliary heating system during the whole year.

AS FUEL, WOOD LOGS IS USED. **THE APPLIANCE WORKS AS AN INTERMITTENT OPERATING APPLIANCE.**

The cooker is made of galvanized and enamelled steel sheets and enamelled cast iron (doors, front side, plate). The hearth is totally sheathed with single cast iron sheets and it is endowed with a pre-adjusted tertiary air for a better combustion. Inside there is a thick flat grate.

THE HEARTH IS EQUIPPED WITH A PANORAMIC DOOR WITH A CERAMIC GLASS (RESISTANT UP TO 700 °C). This allows a wonderful view on the burning flames. Furthermore, it is thus avoided the output of sparks and smoke.

As an **ACCESSORY** it is available also a CHROMIUM PLATED GRATE for the oven and a POKER that are already INCLUDED.

THE HEATING OF THE ENVIRONMENT IS MADE BY RADIATION: THROUGH THE PANORAMIC GLASS AND THE EXTERNAL HOT SURFACES OF THE STOVE, THE HEAT IS RADIATED TO THE ENVIRONMENT.

! WARNING

NEVER INTRODUCE FLAMMABLE OBJECTS OR MATERIALS IN TO THE FOOD WARMER HOLDER

5.2 ACCESSORIES

ACCESSORIES	Multi-Purpose OPERATING TOOL	CHROME PLATED OVEN GRILLE	POKER	RING air fitting
MILLY UL-C	SERIES	SERIES	SERIES	SERIES

5.3 COOKER CONTROLS

THE COOKER IS EQUIPPED WITH CONTROLS OF PRIMARY AND SECONDARY AIR BY WHICH IT IS ADJUSTED THE COMBUSTION AIR.

1A – PRIMARY AIR CONTROL

With the inferior air control, which is on the fire door, it is adjusted the passage of primary air into the low part of the cooker, through the drawer of ash and the grate in the fuel direction. The primary air is necessary for the combustion process. The ash drawer must be regularly emptied, so that the ash does not obstruct the primary air entry for the combustion. Through the primary air the fire is also kept alive. THE PRIMARY AIR REGISTER MUST BE ALMOST COMPLETELY CLOSED DURING WOOD COMBUSTION, AS OTHERWISE THE WOOD BURNS TOO QUICKLY AND THE THERMO-PRODUCT MAY OVERHEAT (see chapter NORMAL OPERATION).

2A – SECONDARY AIR CONTROL

On the over part of the hearth door there is the secondary air register. This register must be totally moved to the right in order to open the control, especially for wood combustion (see paragraph Table). The secondary air, passing between the double glass of the fire door, heats itself starting the double combustion and keeping at the same time increasing the yield and assuring the cleaning of the glass (see chapter NORMAL OPERATION).

It is possible to get the air SECONDARY directly from outside through a flexible tube fireproof NOT furnished (see chapter VENTILATION AND AERATION OF THE INSTALLATION PREMISES).

THE CONTROL REGULATION NECESSARY IN ORDER TO OBTAIN **NOMINAL CALORIFIC** OUTPUT IS THE FOLLOWING):

(see Cap. HEATING SPECIFICATION)	PRIMARY air	SECONDARY air	TERTIARY air
MILLY UL-C	CLOSED	OPEN	PRE-ADJUSTED

B – SMOKES control (Picture 8)

(Conversion of the cooker function to the cooker, bake oven and heating function).

The smokes control, in the style of a chromed pull push lever, can be found on the top right corner of the front side of the cooker, between the protection bar and the oven door. This control has two settings:

- HOTPLATE USE: when the bar is pushed to the back of the cooker, the combustion gases flow around the oven and directly into the flue and up to the chimney.
- OVEN COOKING: when the control bar is pulled out, the combustion gases flow around the oven, heating it.

5.3.1 TO IGNITE THE FLAME

TO IGNITE THE FLAME follow the instructions below (see Cap. IGNITION) :

- ♦ Bring the flue gas control to the cooker position (any butterfly valve placed on the flue gas exhaust pipe must also be opened).
- ♦ Open the primary and secondary air control.
- ♦ After having started the fire with small pieces of wood and waited until it is well lit.
- ♦ Bring the flue gas control to the oven position.
- ♦ Close any butterfly valve placed on the flue gas exhaust pipe must also be opened.

THE CONTROL REGULATION **DURING THE IGNITION PHASE** IS THE FOLLOWING :

	1A - PRIMARY air	2A - SECONDARY air	B - SMOKES control
IGNITION PHASE	OPEN - Picture 8	OPEN - Picture 8	HOTPLATE USE

5.3.2 How to set the machine to BOIL WATER

- ♦ Keep the flue gas register on the cooker function – HOTPLATE USE.
- ♦ Primary air CLOSED.
- ♦ Secondary air completely OPEN.
- ♦ Load wood as described in the manual (hourly load = hourly consumption).

5.3.3 How to set the machine to COOK BISCUITS

- ♦ Keep the flue gas register on the cooker function – OVEN COOKING USE **36mm OPEN**.
- ♦ Primary air CLOSED.
- ♦ Secondary air completely OPEN.
- ♦ Switch the cooker on with a moderate load of wood until the oven thermometer indicates 180 °C.
- ♦ Wait for 220-230 °C to be reached without additional wood being loaded.
- ♦ Load a single piece of wood weighing 500 - 600 g one at a time and wait for it to burn completely before adding another.
- ♦ This keeps the oven temperature stable around 220-230 °C.
- ♦ Place the tray of biscuits in the medium position for 10 minutes.
- ♦ Turn the tray halfway through cooking, if necessary.

6.0 IGNITION

6.1 FIRST IGNITION

WARNING

AFTER THE FIRST IGNITION YOU CAN SMELL BAD ODOURS (OWING TO THE DRYING OF THE GLUE USED IN THE GARNITURES OR OF THE PAINT) WHICH DISAPPEAR AFTER A BRIEF USING OF THE APPLIANCE.
IT MUST BE ENSURED, IN ANY CASE, A GOOD VENTILATION OF THE ENVIRONMENT.

UPON THE FIRST IGNITION WE SUGGEST LOADING A REDUCED QUANTITY OF FUEL AND SLIGHTLY INCREASING THE CALORIFIC VALUE OF THE EQUIPMENT.

**NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR 'FRESHEN UP' A FIRE IN THIS HEATER.
KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE HEATER WHILE IT IS IN USE.
NEVER SWITCH ON THE DEVICE WHEN THERE ARE COMBUSTIBLE GASES IN THE ROOM.**

To perform a correct first lighting of the products treated with paints for high temperature, it is necessary to know the following information:

- ◆ THE CONSTRUCTION MATERIALS OF THE INVOLVED PRODUCTS ARE NOT HOMOGENEOUS, IN FACT THERE ARE SIMULTANEOUSLY PARTS IN CAST IRON, STEEL, REFRACTORY MATERIAL AND MAJOLICA;
- ◆ THE TEMPERATURE TO WHICH THE BODY OF THE PRODUCT IS SUBJECT IS NOT HOMOGENEOUS: FROM AREA TO AREA, VARIABLE TEMPERATURES WITHIN THE RANGE OF 300°C - 500°C ARE DETECTED;
- ◆ DURING ITS LIFE, THE PRODUCT IS SUBJECT TO ALTERNATED LIGHTING AND EXTINGUISHING CYCLES IN THE SAME DAY, AS WELL AS TO CYCLES OF INTENSE USE OR OF ABSOLUTE STANDSTILL WHEN SEASON CHANGES;
- ◆ THE NEW APPLIANCE, BEFORE BEING CONSIDERED SEASONED HAS TO BE SUBJECT TO MANY START CYCLES TO ALLOW ALL MATERIALS AND PAINTS TO COMPLETE THE VARIOUS ELASTIC STRESSES;
- ◆ IN DETAIL, INITIALLY IT IS POSSIBLE TO REMARK THE EMISSION OF SMELLS TYPICAL OF METALS SUBJECT TO GREAT THERMAL STRESS, AS WELL AS OF WET PAINT.

THEREFORE, IT IS EXTREMELY RELEVANT TO TAKE THESE EASY STEPS DURING THE IGNITION:

1. MAKE SURE THAT A STRONG AIR CHANGE IS ASSURED IN THE ROOM WHERE THE APPLIANCE IS INSTALLED.
2. DURING THE FIRST STARTS, DO NOT LOAD EXCESSIVELY THE COMBUSTION CHAMBER (ABOUT HALF THE QUANTITY INDICATED IN THE INSTRUCTIONS MANUAL) AND KEEP THE PRODUCT CONTINUOUSLY ON FOR AT LEAST 6-10 HOURS WITH THE REGISTERS LESS OPEN THAN THE VALUE INDICATED IN THE INSTRUCTIONS MANUAL.
3. REPEAT THIS OPERATION FOR AT LEAST 4-5 OR MORE TIMES, ACCORDING TO YOUR POSSIBILITIES.
4. THEN LOAD MORE AND MORE FUEL (FOLLOWING IN ANY CASE THE PROVISIONS CONTAINED IN THE INSTALLATION BOOKLET CONCERNING MAXIMUM LOAD) AND, IF POSSIBLE, KEEP THE IGNITION PERIODS LONG AVOIDING, AT LEAST IN THIS INITIAL PHASE, SHORT ON/OFF CYCLES.
5. **DURING THE FIRST STARTS, NO OBJECT SHOULD BE LEANED ON THE APPLIANCE AND IN DETAIL ON ENAMELED SURFACES. ENAMELED SURFACES MUST NOT BE TOUCHED DURING HEATING.**
6. ONCE THE «BURN-IN» HAS BEEN COMPLETED, IT IS POSSIBLE TO USE THE PRODUCT AS THE MOTOR OF A CAR, AVOIDING ABRUPT HEATING WITH EXCESSIVE LOADS.

To light the fire, it is suggested to use small wood pieces together with paper or other traded lighting means.

Do not use an elevated grate or otherwise raise the fire.

The openings for air (primary and secondary) must be opened together (you must open the eventual Ignition control, and draught valve placed on the pipe of smokes exhaust). When the wood starts burning, you may load other fuels and adjust the air for combustion according to the instructions on paragraph TECHNICAL DESCRIPTION.

! WARNING

PLEASE ALWAYS BE PRESENT DURING THIS PHASE.

IT IS RECOMMENDED TO BUILD-UP AND MAINTAIN THE FIRE, AVOIDING ANY OVERFIRING (SEE CAP. TECHNICAL DESCRIPTION / HOURLY CONSUMPTION). TOO MUCH FUEL AND TOO MUCH AIR FOR COMBUSTION CAN CAUSE OVERHEATING AND THEREFORE DAMAGE THE APPLIANCE.

THE WARRANTY DOES NOT COVER THE DAMAGES DUE TO OVERHEATING OF THE EQUIPMENT.

6.1.1 LOW EMISSION FIRE LIGHTING

Smokeless combustion is a way of lighting a fire able to significantly reduce the emission of harmful substances. The wood burns gradually from the top downwards, so combustion is slower and more controlled. Burnt gases pass through the high temperatures of the flame and therefore burn almost completely.

Place the logs in the hearth a certain distance apart as shown in the **Picture**. Arrange the largest at the bottom and the smallest at the top, or vertically in the case of tall narrow combustion chambers. Place the fire starter module on top of the pile, arranging the first logs in the module at right angles to the pile of wood.

6.1.2 FIRE STARTER MODULE

THIS FIRE STARTER MODULE REPLACES A PAPER OR CARDBOARD STARTER.

Prepare four logs, 20 cm long with a cross section of 3 cm by 3 cm as in the **Picture**. Cross the four logs and place them on top of the pile of wood at right angles, with the fire lighter (wax impregnated wood fibre for example) in the middle. The fire can be lit with a match. If you want, you can use thinner pieces of wood. In this case, you will need a larger quantity.

Keep the flue gas exhaust valve and combustion air regulator open in the position as shown in according to the instructions on paragraph TO IGNITE THE FLAME.

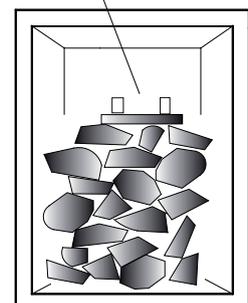
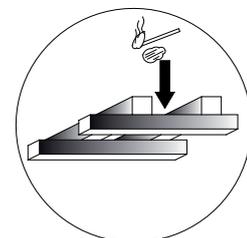
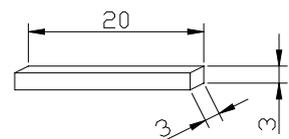
After lighting the fire, leave the combustion air regulator open in the position shown in according to the instructions on paragraph TECHNICAL DESCRIPTION.

IMPORTANT:

- DO NOT ADD FURTHER WOOD BETWEEN ONE COMPLETE LOAD AND THE NEXT;
- DO NOT SUFFOCATE THE FIRE BY CLOSING THE AIR INTAKES;
- REGULAR CLEANING BY A CHIMNEY SWEEP REDUCES FINE PARTICLE EMISSIONS.

These instructions are suggested by ENERGIA Legno SVIZZERA www.energia-legno.ch

FIRE STARTER MODULE



6.2 NORMAL OPERATION

WARNING

FOR SAFETY REASONS THE DOOR OF THE HEARTH CAN BE OPENED ONLY FOR LOAD THE FUEL.

THE HEARTH DOOR MUST ALWAYS REMAIN CLOSED DURING OPERATION OR REST.

WHEN FUEL IS ADDED ONTO THE EMBERS IN THE ABSENCE OF A FLAME, A CONSIDERABLE AMOUNT OF FUMES MAY DEVELOP. IF THIS HAPPEN, AN EXPLOSIVE MIXTURE OF GAS AND AIR MAY FORM, AND IN EXTREME CASES AN EXPLOSION MAY OCCUR. FOR SAFETY REASONS IT IS ADVISABLE TO PERFORM A NEW LIGHTING PROCEDURE WITH THE USE OF SMALL STRIPS.

After having positioned the registers correctly, insert the indicated hourly wood load avoiding overloads that cause anomalous stresses and deformations (according to the instructions on paragraph TECHNICAL DESCRIPTION).

YOU SHOULD ALWAYS USE THE PRODUCT WITH THE DOOR CLOSED IN ORDER TO AVOID DAMAGES DUE TO OVERHEATING (FORGE EFFECT). THE INOBSERVANCE OF THIS RULE MAKES THE WARRANTY EXPIRE.

FOR SAFETY REASONS THE DOOR OF THE APPLIANCES MUST BE OPENED ONLY FOR THE LOADING OF THE FUEL OR FOR REMOVING THE ASHES, WHILE DURING THE OPERATION AND THE REST, THE DOOR OF THE HEARTH MUST REMAIN CLOSED.

With the controls positioned on the front of the appliance it is possible to adjust the heat emission of the hearth. They have to be opened according to the calorific need. The best combustion (with minimum emissions) is reached when, by loading the wood, most part of the air for combustion flows through the secondary air register.

NEVER OVERLOAD THE APPLIANCE (SEE THE HOURLY WOOD LOAD IN THE TABLE HERE BELOW). TOO MUCH FUEL AND TOO MUCH AIR FOR THE COMBUSTION MAY CAUSE OVERHEATING AND THEN DAMAGE THE STOVE. YOU SHOULD ALWAYS USE THE APPLIANCE WITH THE DOOR CLOSED IN ORDER TO AVOID DAMAGES DUE TO OVERHEATING (FORGE EFFECT). **THE INOBSERVANCE OF THIS RULE MAKES THE WARRANTY EXPIRE.**

The adjustment of the registers necessary to reach the rated calorific yield with a depression at the flue of 12 Pa (1,2mm of column of water) is the following one: see chapter TECHNICAL DESCRIPTION. **The appliance works as an intermittent operating appliance.**

Besides the adjustment of the air for the combustion, the intensity of the combustion and consequently the thermal performance of the device is influenced by the flue. A good draught of the stack requires a less adjustment of air for combustion, while a poor draught requires a more precise adjustment of air for combustion.

To verify the good combustion, check whether the smoke coming out from the flue is transparent.

If it is white, it means that the device is not properly adjusted or the wood is too wet; if instead the smoke is gray or black, it signals that the combustion is not complete (it is necessary a greater quantity of secondary air).

6.2.1 USE OF THE OVEN

Place the smoke controller in the position USE OF THE OVEN (see chap. TECHNICAL DESCRIPTION)

Thanks to the air flow for the combustion, the temperature of the oven may become remarkably affected. A sufficient flue of the chimney and of the channels, well cleaned for the flow of burning smokes around the oven are fundamental for a good cooking result. Thick cakes and big roasts must be introduced in the lowest level. Flat cakes and biscuits must reach the medium level. The upper level may be used to heat or grill.

The oven pan and the chrome plated oven grille may be located on different plans (see chapter Technical Description - ACCESSORIES). **When cooking food with high humidity**, cakes with fruit or fruit itself, water of condensation will be produced. During the cooking process some water vapour in the form of drops of condensed water can deposit onto the top and the side of the door. It is a physical phenomenon.

By opening the door briefly and carefully (1 or 2 times, or even often in case of longer cooking times) you can let out the steam from the cooking compartment and reduce condensation significantly.

6.2.2 OPERATION IN TRANSITION PERIODS

During transition periods when the external temperatures are higher, if there is a sudden increase of temperature it can happen that the combustion gases inside the flue cannot be completely sucked up.

The exhaust gases do not come out completely (intense smell of gas). In this case, shake the grilling of the brazier more frequently and increase the air for the combustion. Then, load a reduced quantity of fuel in order to permit a rapid burning (growing up of the flames) and the stabilization of the draught. Then, check that all openings for the cleaning and the connections to the flue are air-tight.

IN CASE OF DOUBT, DO NOT OPERATE THE PRODUCT.

7.0 MAINTENANCE AND CARE

ALWAYS FOLLOW THE INSTRUCTIONS IN COMPLETE SAFETY!

- ◆ MAKE SURE THAT THE POWER CORD IS UNPLUGGED (IF PRESENT).
- ◆ THAT THE GENERATOR IS COLD ALL OVER.
- ◆ THE ASHES ARE COMPLETELY COLD.
- ◆ ENSURE EFFICIENT AIR EXCHANGE IN THE ROOM DURING THE PRODUCT CLEANING OPERATIONS.
- ◆ POOR CLEANING WILL COMPROMISE CORRECT OPERATION AND SAFETY!

WARNING

THE MAINTENANCE AND CARE MUST BE CARRIED OUT ONLY WITH COLD DEVICE.

YOU SHOULD ONLY USE SPARE PARTS APPROVED AND SUPPLIED BY LA NORDICA S.P.A. PLEASE CONTACT YOUR SPECIALIZED RETAILER IF YOU REQUIRE SPARE PARTS. YOU MUST NOT MAKE ANY CHANGES TO THE DEVICE!!!

7.1 PERIODIC MAINTENANCE UNDER USER'S RESPONSIBILITY

The periodic maintenance, as indicated in this Installation and Operating Instruction, must be performed with the utmost care after reading the instructions, procedures and frequency described in this manual.

Check the external air intake, by cleaning it, at least once a year. The flue must be regularly swept by the chimney sweeper. Let your chimney sweeper in charge of your area check the regular installation of the device, the connection to the flue and the aeration. Refer to the chapter "3.2.2 CHIMNEY AND CHIMNEY CONNECTOR MAINTENANCE" about the potential formation of Creosote in the Chimney and Chimney Connector.

7.1.1 GLASS CLEANING

Thanks to a specific inlet of secondary air, the accumulation of dirty sediments on the glass-door is reduced with efficacy. Nevertheless this can never be avoided by using solid fuels (particularly wet wood) and it has not to be understood as a defect of the appliance.

The correct ignition phase, the use of proper quantities and types of fuels, the correct position of the secondary air regulator, enough draught of the chimney-flue and the presence of combustion air are the essential elements for the optimal functioning of the appliance and for the cleaning of the glass.

WARNING

THE CLEANING OF GLASS MUST BE CARRIED OUT ONLY AND EXCLUSIVELY WITH COLD DEVICE TO AVOID THE EXPLOSION OF THE SAME GLASS.

FOR THE CLEANING, IT IS POSSIBLE TO USE SPECIFIC PRODUCTS OR A WET NEWSPAPER PAPER BALL PASSED IN THE ASH TO RUB IT. DO NOT USE CLOTHS, ABRASIVE OR CHEMICALLY AGGRESSIVE PRODUCTS BY CLEANING THE HEARTH GLASS

7.1.2 BROKEN GLASS REPLACEMENT

Kindly follow the following steps in order to securely replace a damaged glass:

- Remove the automatic closing spring, if present, located in the door bottom area
- Remove the door from the product, removing the special pins or the hinges fixed with the locking screws, preferably starting from the upper fixing.
- Place the door on a solid base and remove the fixing screws of the plates or glazing beads, located inside the door
- Remove the damaged glass and clean the door.
- Check that the sealing gaskets on the door or on the glazing beads are not damaged and replace them, if necessary.
- Mount the new glass on the door, taking care to tighten the screws of the glass beads carefully, since if tightened too much they can break the glass.

WARNING

**BREAK OF GLASSES:
CERAMIC-BASED GLASSES CAN RESIST UP TO A HEAT SHOCK OF 750°C, THEREFORE THEY ARE NOT AFFECTED BY THERMAL SHOCK ISSUES. THEIR BREAK CAN BE CAUSED BY MECHANIC SHOCKS, SUCH AS STRIKING OR SLAMMING SHUT OF THE DOOR.
THEREFORE, THEIR REPLACEMENT IS NOT INCLUDED IN THE WARRANTY.**

DO NOT OPERATE THIS UNIT WITH BROKEN GLASSES

BROKEN OR DAMAGED GLASS COMPONENTS SHALL BE REMOVED AND REINSTALLED TAKING CARE ABOUT USING PROPER GASKETS, CUSHIONING DEVICES AND OTHER ACCESSORIES, MAINTAINING EDGE CLEARANCES

REPLACE GLASS ONLY WITH GLASS SUPPLIED FROM THE MANUFACTURER OR DISTRIBUTOR OF THIS APPLIANCE

7.1.3 DIMENSIONS OF THE CERAMIC-BASED GLASSES

The appliance is equipped with the following ceramic-based glasses:

MODEL	Glass geometries (Width x Height x Thickness) [mm]	
	FIRE DOOR	OVEN DOOR
ROSA XXL UL-C	261 x 350 x 4 (internal) 236 x 285 x 4 (external)	444 x 287 x 4
ROSA L UL-C	261 x 350 x 4 (internal) 236 x 285 x 4 (external)	343 x 287 x 4
MILLY UL-C	232 x 315 x 4	444 x 287 x 4

7.1.4 CLEANING OUT THE ASHES

All the devices are equipped with a hearth grating and an ash drawer for the collection of the ashes (see chapt. CLEANING OF THE HEARTH GRATE).

It is suggested to empty periodically the ash drawer and to avoid it fills completely in order not to overheat the grating. Moreover, it is suggested to leave always 3-4 cm of ash in the hearth.

WARNING

ASHES SHOULD BE PLACED IN A METAL CONTAINER WITH A TIGHT-FITTING LID. THE CLOSED CONTAINER OF ASHES SHOULD BE PLACED ON A NONCOMBUSTIBLE FLOOR OR ON THE GROUND, WELL AWAY FROM ALL COMBUSTIBLE MATERIALS, PENDING FINAL DISPOSAL. IF THE ASHES ARE DISPOSED OF BY BURIAL IN SOIL OR OTHERWISE LOCALLY DISPERSED, THEY SHOULD BE RETAINED IN THE CLOSED CONTAINER UNTIL ALL CINDERS HAVE THOROUGHLY COOLED.

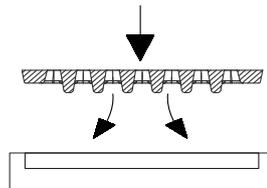
The correct ignition phase, the use of proper quantities and types of fuels, the correct position of the secondary air regulator, enough draught of the chimney-flue and the presence of combustion air are the essential elements for the optimal functioning of the appliance. The device should be completely cleaned at least once a year or every time it is needed (in case of bad working and low yield). An excessive deposit of soot can cause problems in the discharge of smokes and fire in the flue.

WARNING

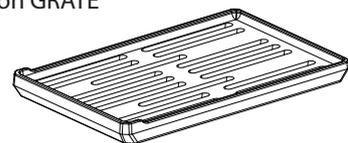
THE CLEANING MUST BE CARRIED OUT EXCLUSIVELY WITH COLD EQUIPMENT. THIS OPERATION SHOULD BE CARRIED OUT BY A CHIMNEY SWEEPER WHO CAN SIMULTANEOUSLY PERFORM AN AUDIT OF THE FLUE (CHECKING OF POSSIBLE CREOSOTE DEPOSITS).

7.1.5 CLEANING OF THE HEARTH GRATE

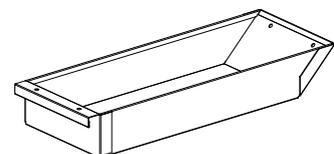
If for whatever reason the grill is removed from the furnace, take care to assemble it with the wider part of the slit facing downwards. This is to aid furnace cleaning.



Thick flat cast-iron GRATE



Ash Drawe



7.1.6 MAINTENANCE OF THE OVEN

To avoid the possible forming of rust it is recommended:

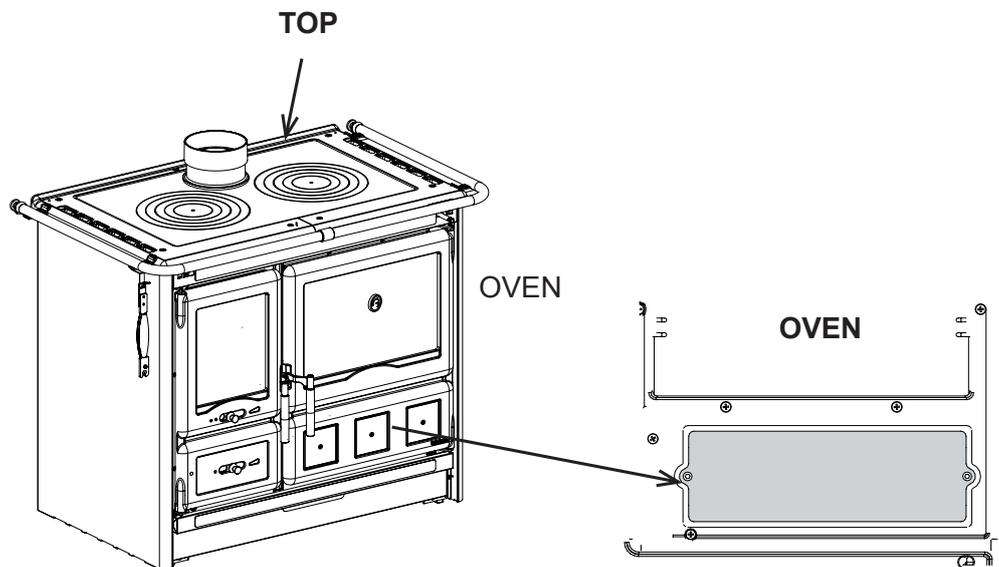
- To let the steam getting out of the oven to reduce the formation of any condensation by opening the door briefly and carefully (1 or 2 times, or more often in case of cooking food very humid and with longer cooking times);
- Remove the food from the oven once cooked. Letting the food to chill in the oven at a temperature below 150 °C results in the forming of condensation;
- After cooking, leave the oven door partially open to dry out any condensation;
- In case humidity formed inside the oven, we suggest you to treat with neutral vaseline the inside part of the cast iron door (where existing).
- Repeat the treatment with the neutral vaseline on the inside part of the cast iron door every 3-6 months, depending of the frequency of the use of the oven;
- In case of presence of rust on the inside part of the cast iron door, remove the rust by using abrasive material and then treat the cast iron surface with neutral vaseline.

*IN ORDER TO ENSURE THE QUALITY OF THE FOODS THAT ARE COOKED IN THE OVEN, THE INTERNAL PARTS OF THE CAST IRON DOORS **HAVE NOT BEEN TREATED WITH ANY PRODUCT.***

7.1.7 CLEANING THE SMOKES COLLECTION CASING THROUGH THE DOOR UNDER THE OVEN

The smokes collection casing can be cleaned either through the door which is :

- under the **OVEN** (see Picture) ;
- or from the **TOP** (to this purpose remove the circles of the cooking plate and disassemble the smokes pipe from the exhaust small trunk).



WARNING

THE CLEANING CAN BE CARRIED OUT BY USING A BRUSH AND A HOOVER

ONCE THE CLEANING OPERATIONS ARE TERMINATED ALL THE PARTS HAVE TO BE RE-ASSEMBLED HERMETICALLY.

7.1.8 CAST IRON COOKING PLATE AND RINGS

THE CAST IRON COOKING PLATE AND THE CAST IRON RINGS NEEDS TO BE PERIODICALLY CLEANED BY USING SANDPAPER (GRAIN 150) WITHOUT TOUCHING THE ENAMELLED PARTS.

To carry out the cleaning operation remove:

- the smoke outlet spigot and the smoke pipe.
- The smoke compartment can be cleaned from the front side of the oven (see chap. CLEANING SMOKE COMPARTMENT COOKERS) or from the top. In this case remove the cast iron rings and the cooking plate, as well the smoke outlet spigot and the smoke pipe.

STAINLESS STEEL COOKING PLATE (WHERE EXISTING)

ONCE YOU HAVE PLACED THE CAST IRON COOKING PLATE, MAKE SURE TO HAVE ALWAYS 3 MM IN-BETWEEN THE COOKING PLATE AND THE STAINLESS STEEL FRAME. THIS GAP IS IMPORTANT BECAUSE OF THE THERMAL EXPANSIONS AND TO AVOID CHROMATIC CHANGES OF THE STAINLESS STEEL FRAME WHEN HOT.

WARNING

TO AVOID RUST DO NOT FORGET POTS OR PANS ON THE COLD COOKING PLATE. THIS WOULD CREATE RUST RINGS, UNPLEASANT TO SEE AND DIFFICULT TO REMOVE.

THE CLEANING CAN BE CARRIED OUT BY USING A BRUSH AND A HOOVER

ONCE THE CLEANING OPERATIONS ARE TERMINATED ALL THE PARTS HAVE TO BE RE-ASSEMBLED HERMETICALLY.

7.1.9 VARNISHED PRODUCTS

After some years of product use a change in the varnished details colour is totally normal. This is due to the considerable temperature range the product is subject to whenever in use and to the varnish ageing of time passing by.

BEFORE ANY POSSIBLE APPLICATION OF THE NEW VARNISH, DO CLEAN AND REMOVE ALL THE TRACES FROM THE SURFACE WHICH HAS TO BE VARNISHED.

7.1.10 ENAMELLED PRODUCTS

For the cleaning of enamelled surfaces use soap water or not aggressive and not chemically abrasive detergents.

AFTER THE CLEANING DO NOT LET SOAPY WATER OR ANY CLEANSER DRY BUT REMOVE THEM IMMEDIATELY.

DO NOT USE SANDPAPER OR STEEL WOOL.

7.1.11 CHROMIUM-COMPONENTS

IF THE COMPONENTS BECOME BLUISH DUE TO OVERHEATING, THIS CAN BE SOLVED WITH A SUITABLE PRODUCT FOR CLEANING. DO NOT USE ABRASIVES OR SOLVENTS.

7.1.12 LATERAL HANDRAIL

THE HANDLES, THE HANDRAIL AND THE TANK WATER (COOKERS) SHOULD BE CLEANED WITH A SOFT CLOTH AND ALCOHOL **WHEN THAT THE GENERATOR IS COLD ALL OVER** . DO NOT USE ABRASIVES OR SOLVENTS.

7.1.13 MAJOLICAS (IF PRESENT)

La NORDICA S.p.A. has chosen majolica tiles, which are the result of high-quality artisan work. As they are completely carried out by hand, the majolica may present crackles, speckles, and shadings. These characteristics certify their precious origin.

Enamel and majolica, due to their different coefficient of dilatation, produce microcrackles, which show their authentic feature.

FOR THE CLEANING OF THE MAJOLICA WE SUGGEST YOU TO USE A SOFT AND DRY CLOTH; IF YOU USE A DETERGENT OR LIQUID, THE LATTER MIGHT SOAK IN AND HIGHLIGHT THE CRACKLES PERMANENTLY.

7.1.14 PRODUCTS MADE OF NATURAL STONE (IF PRESENT)

NATURAL STONE HAS TO BE CLEANED WITH VERY THIN ABRASIVE PAPER OR WITH AN ABRASIVE SPONGE.

DO NOT USE ANY CLEANSER OR FLUID.

8.0 WARRANTY TERMS

IF YOU NEED SERVICE:

1. Before contacting us to arrange service, please determine whether your product requires repair. Some questions can be addressed without service. Please take a few minutes to review the Use and Care Guide.
2. All warranty service is provided exclusively by our authorized LA NORDICA EXTRAFLAME Service Providers. In the U.S. and Canada, direct all requests for warranty service to:

ONE-YEAR LIMITED WARRANTY

WHAT IS COVERED	WHAT IS NOT COVERED
<p>For one year from the date of purchase, when this major appliance is installed, operated and maintained according to instructions attached to or furnished with the product, LA NORDICA EXTRAFLAME will pay for Factory Specified Replacement Parts and repair labor to correct defects in materials or workmanship that existed when this major appliance was purchased, or at its sole discretion replace the product. In the event of product replacement, your appliance will be warranted for the remaining term of the original unit's warranty</p> <p>YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. Service must be provided by a LA NORDICA EXTRAFLAME designated service company. This limited warranty is valid only in the United States or Canada and applies only when the major appliance is used in the country in which it was purchased. This limited warranty is effective from the date of original consumer purchase. Proof of original purchase date is required to obtain service under this limited warranty.</p> <ul style="list-style-type: none"> • NOT COVERED COMPONENTS: Glasses, Seals, Outer Shell, Cast iron components, All materials that are subjected to wear. • LA NORDICA EXTRAFLAME GUARANTEE THE PRODUCT FOR A PERIOD OF ONE YEAR 12 MONTHS 	<ol style="list-style-type: none"> 1. Commercial, non-residential, multiple-family use, or use inconsistent with published user, operator or installation instructions. 2. In-home instruction on how to use your product. 3. Service to correct improper product maintenance or installation, installation not in accordance with electrical or plumbing codes or correction of household electrical or plumbing 4. Consumable parts (i.e. air or water filters, preservation solutions, etc.). 5. Damage from accident, misuse, abuse, fire, floods, acts of God or use with products not approved by LA NORDICA EXTRAFLAME . 6. Repairs to parts or systems to correct product damage or defects caused by unauthorized service, alteration or modification of the appliance. 7. Cosmetic damage including scratches, dents, chips, and other damage to the appliance finishes unless such damage results from defects in materials and workmanship and is reported to LA NORDICA EXTRAFLAME within 30 days. 8. Discoloration, rust or oxidation of surfaces resulting from caustic or corrosive environments including but not limited to high salt concentrations, high moisture or humidity or exposure to chemicals. 9. Food or medicine loss due to product failure. 10. Pick-up or delivery. This product is intended for in-home repair. 11. Travel or transportation expenses for service in remote locations where an authorized LA NORDICA EXTRAFLAME servicer is not available. 12. Removal or reinstallation of inaccessible appliances or built-in fixtures (i.e. trim, decorative panels, flooring, cabinetry, islands, countertops, drywall, etc.) that interfere with servicing, removal or replacement of the product. 13. Service or parts for appliances with original model/serial numbers removed, altered or not easily determined.

DISCLAIMER OF IMPLIED WARRANTIES

IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW.

Some states and provinces do not allow limitations on the duration of implied warranties of merchantability or fitness, so this limitation may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or province to province.

DISCLAIMER OF REPRESENTATIONS OUTSIDE OF WARRANTY

LA NORDICA EXTRAFLAME makes no representations about the quality, durability, or need for service or repair of this major appliance other than the representations contained in this warranty.

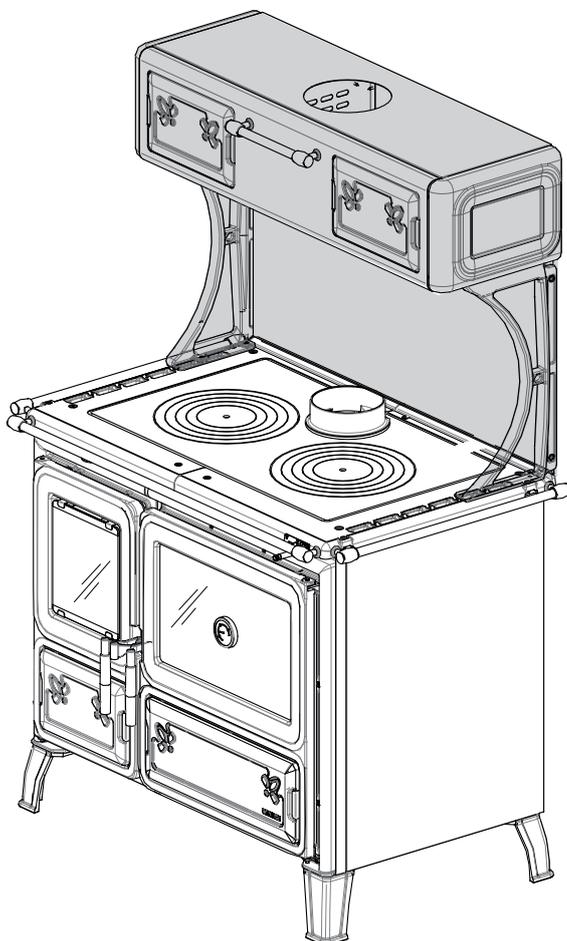
LIMITATION OF REMEDIES; EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES

YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. LA NORDICA EXTRAFLAME SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or province to province.

9.0 INSTALLATION WARMING COMPARTMENT - OPTIONAL.



NOT SUPPLIED



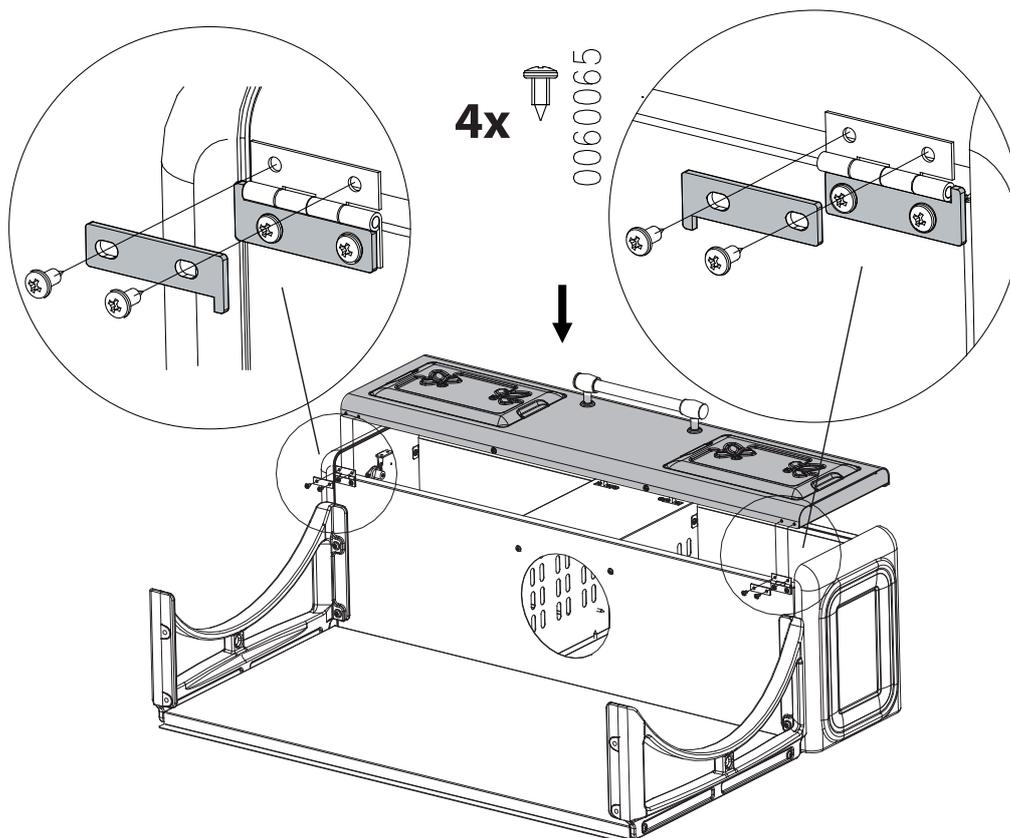
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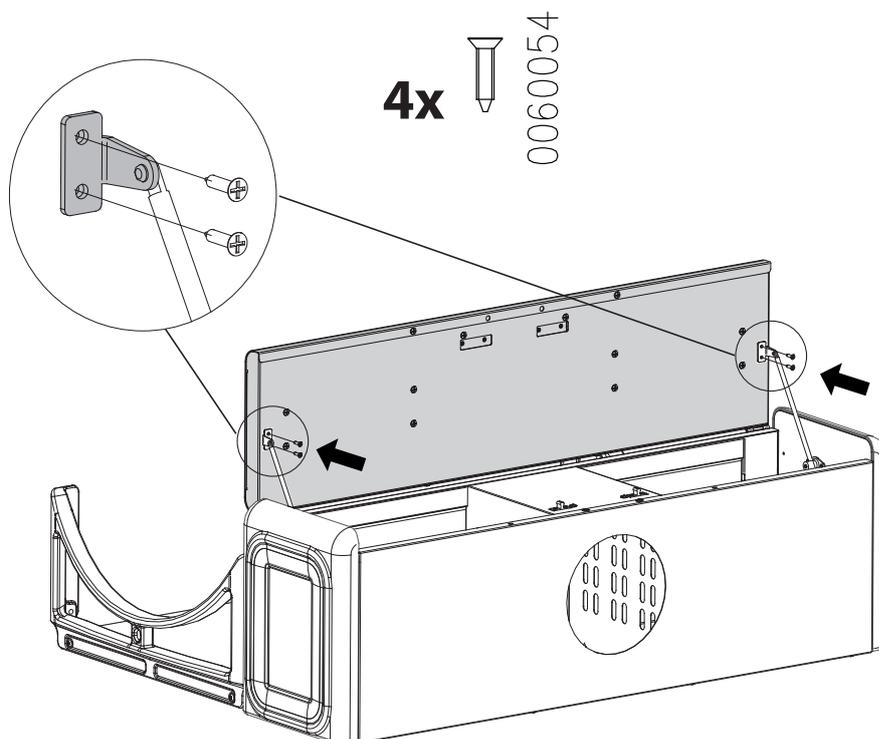
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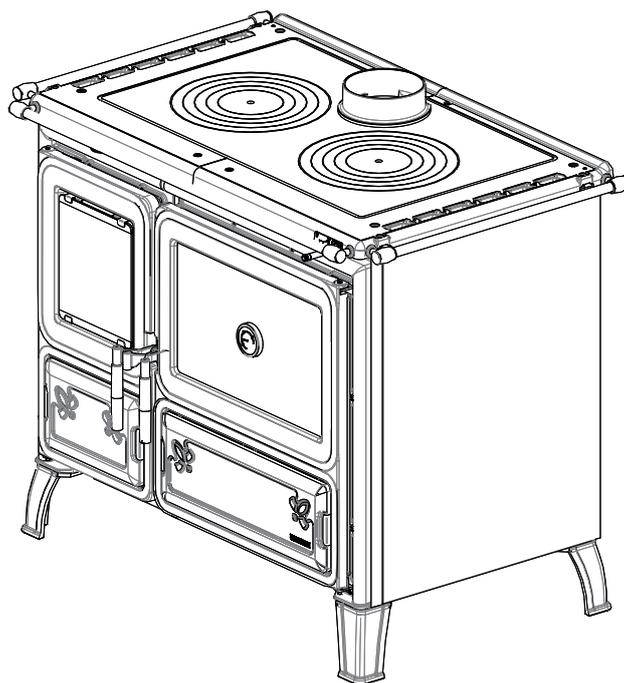
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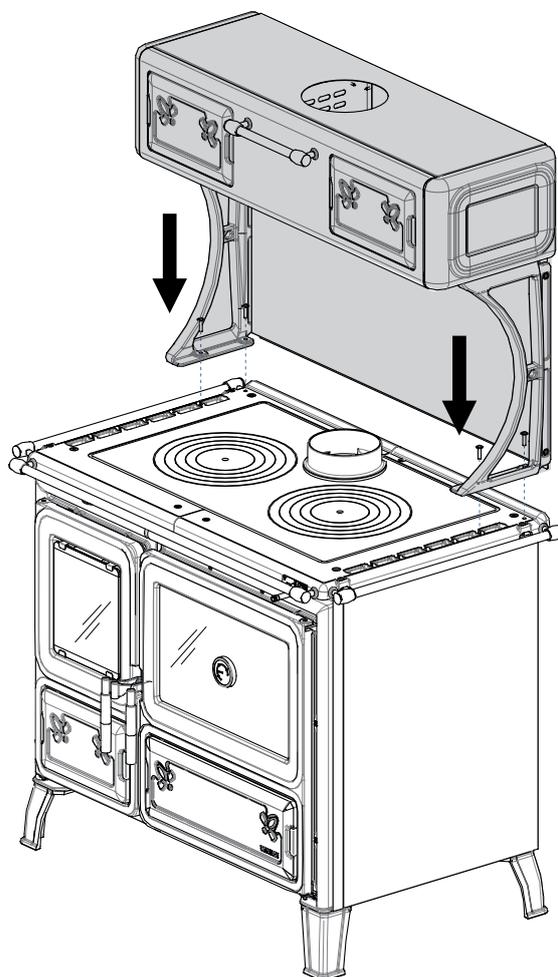
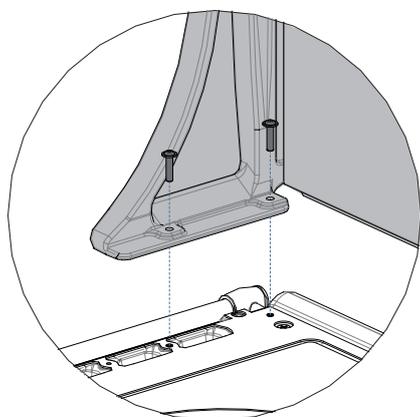


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Riscalda la vita.

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MADE IN ITALY
design & production

PRODUCED IN ITALY BY **La NORDICA**

TO FIND THE SERVICE CENTRE NEAREST TO YOU CONTACT YOUR DEALER

OR CONSULT THE SITE

WWW.LANORDICA-EXTRAFLAME.COM

The Manufacturer reserves the right to vary the features and data shown in this booklet at any time and without prior notice, in order to improve its products.
This manual cannot be considered as a contract for third parties.