



Firenze Woodfires

**Please read this booklet and keep for future reference
for the safe installation and operation of your**

Stella ULEB



The Stella Woodfire can be installed on properties of less than 2 hectares of land and meets the ECAN standards with emissions of 0.5g per kg of fuel burned and 65% efficiency tested under AS/NZS 4012 and 4013:2014.

The Stella Woodfire also meets Canterbury Method v1.6 with emissions of 37mg per MJ of heat output.

ULEB AUTHORISATION NUMBER 231103
LEB AUTHORISATION NUMBER 231104

This woodfire must be installed by someone competent to do so. Firenze Woodfires recommend the use of a NZ Home Heating Association, Solid Fuel Appliance Installation Technician (SFAIT), or other suitably qualified person. The woodfire and flue system must be installed in accordance with AS/NZS2918. All installations must be in accordance with these instructions. Consult with the building authority having jurisdiction to determine the need for a permit prior to commencing the installation. Failure to follow these instructions may also void your woodfire insurance and warranty.

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Under our policy of continuous product improvement, Firenzo Woodfires reserves the right to alter specifications or product from that shown.

1. WARNINGS

This woodfire should be maintained and operated at all times in accordance with these instructions.

The **Stella Woodfire** is tested to N.Z. Standards AS/NZS2918:2001.

If this woodfire is incorrectly installed a house fire may result. For your safety follow the installation instructions carefully.

DO NOT connect the woodfire to a chimney serving another fire.

Although the exterior of the woodfire may appear cool, contact with the woodfire may cause burns. Warn children and others of the possibility of injury should they touch the woodfire.

DO NOT dry clothing or unseasoned wood directly in contact with the woodfire.

Keep all household combustible materials at least 600mm away from front of the woodfire. This includes clothing, furniture, wood, newspaper, plastic, matches, etc.

DO NOT USE FLAMMABLE LIQUIDS or AEROSOLS in the vicinity of this woodfire when it is operating.

Use caution when reloading with fuel. DO NOT attempt to load fuel into the woodfire when the fire inside the stove is at, or near, its peak.

DO NOT burn large quantities of paper or combustible material that would create an extremely hot/quick fire.

DO NOT burn highly coloured paper or brochures (junk mail).

USE ONLY DRY WOOD (25% or less moisture content). AVOID BURNING WET OR GREEN WOOD.

THE USE OF PRESERVATIVE TREATED WOOD AS A FUEL CAN BE HAZARDOUS.

Timber treated with copper chromium and arsenic type preservatives will leave toxic residues in the ash firebox or within the flue, timber offcuts from building construction will often contain boric salts. The combustion of this material over prolonged periods can produce adverse effects on refractory lining in solid fuel fires. Emission of poisonous gases can also be experienced with the burning of treated wood.

Driftwood with salt content will also cause rapid deterioration of the woodfire and should not be used.

2. INSTALLATION RESPONSIBILITIES

Warning: The woodfire and flue system shall be installed in accordance with AS/NZS 2918 and the appropriate requirements of the relevant building code or codes.

Any modification of the woodfire that has not been approved in writing by the testing authority is considered to be in breach of the approval granted for compliance with AS/NZS 4012 and 4013.

Caution: Mixing of woodfire or flue system components from different sources or modifying the dimensional specification of components may result in hazardous conditions. Where such action is considered, the manufacturer should be consulted in the first instance.

Strict adherence to these instructions will meet these standards. Any variation from these installation instructions or any doubt about them must be checked against the requirements of the standards.

Please leave this manual with the owner when installation is complete.

3. FLOOR PROTECTOR REQUIREMENTS

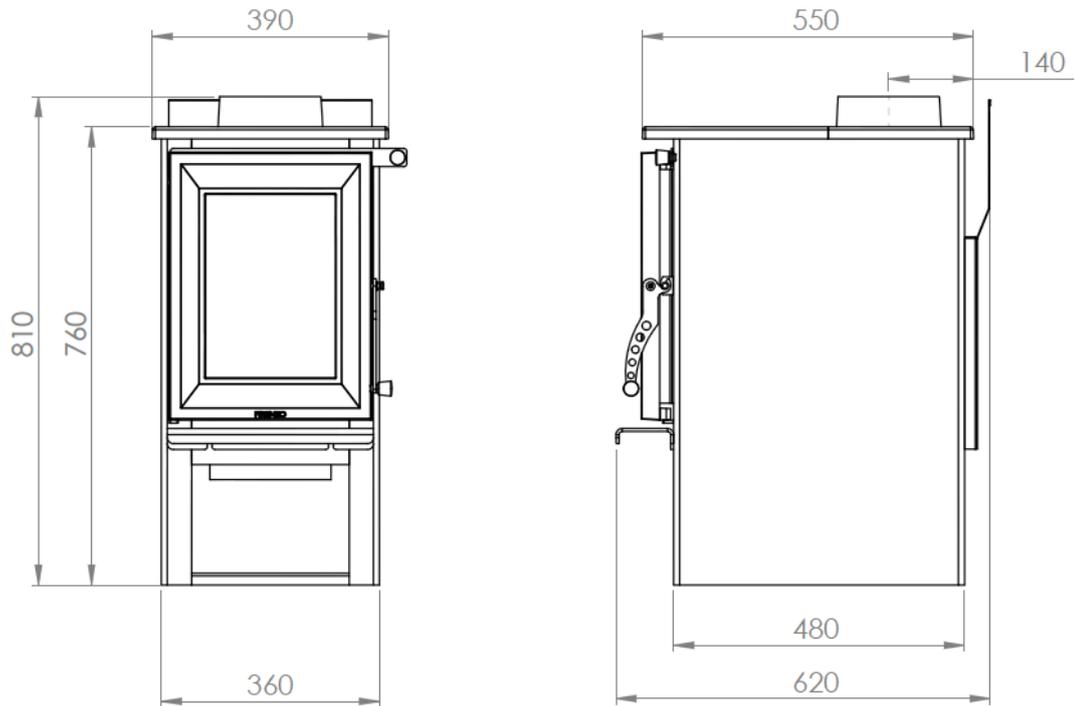
The Stella Woodfire requires an ash hearth floor protector.

The floor protector shall extend under the woodfire and not less than 300mm beyond the front of the fuel loading or ash removal openings. The width of the floor protector shall be not less than the width of the woodfire, and shall extend not less than 200mm from each side of the fuel loading or ash removal openings unless it forms an abutment with a wall or heat shield at a lesser distance.

The ash floor protector must consist of a non-combustible surface of minimum 3mm thickness with any joints sealed. Where the floor protector consists of a number of components, it shall include a continuous layer of heat-resistant material extending under the woodfire to the perimeter of the floor protector. All joints shall be fixed to prevent accidental separation, and shall be sealed to prevent any spilt ash or embers contacting any heat sensitive material.

The Stella Woodfire must be bolted to the subfloor beneath the ash hearth using the earthquake restraints at the back of the wood box.

4. INSTALLATION CLEARANCES



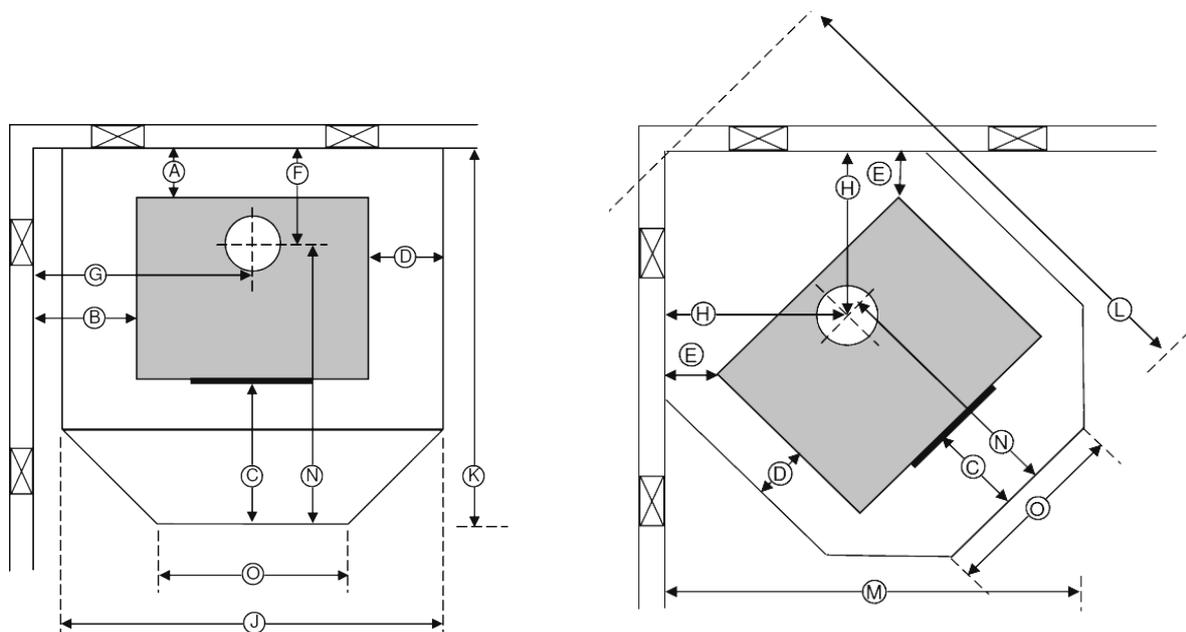
Flue Size: 150mm

Firebox Volume: 38L

Internal Firebox Measurements: Height 365mm - Width 275mm - Depth 380mm

All Clearances shown are from the EDGES OF THE CAST TOP of the Stella Woodfire

CLEARANCES	A	B	C	D	E	F	G	H	J	K	L	M	N	O
Distance in MM	125	400	300	150	200	265	595	440	690	975	1330	1080	710	390



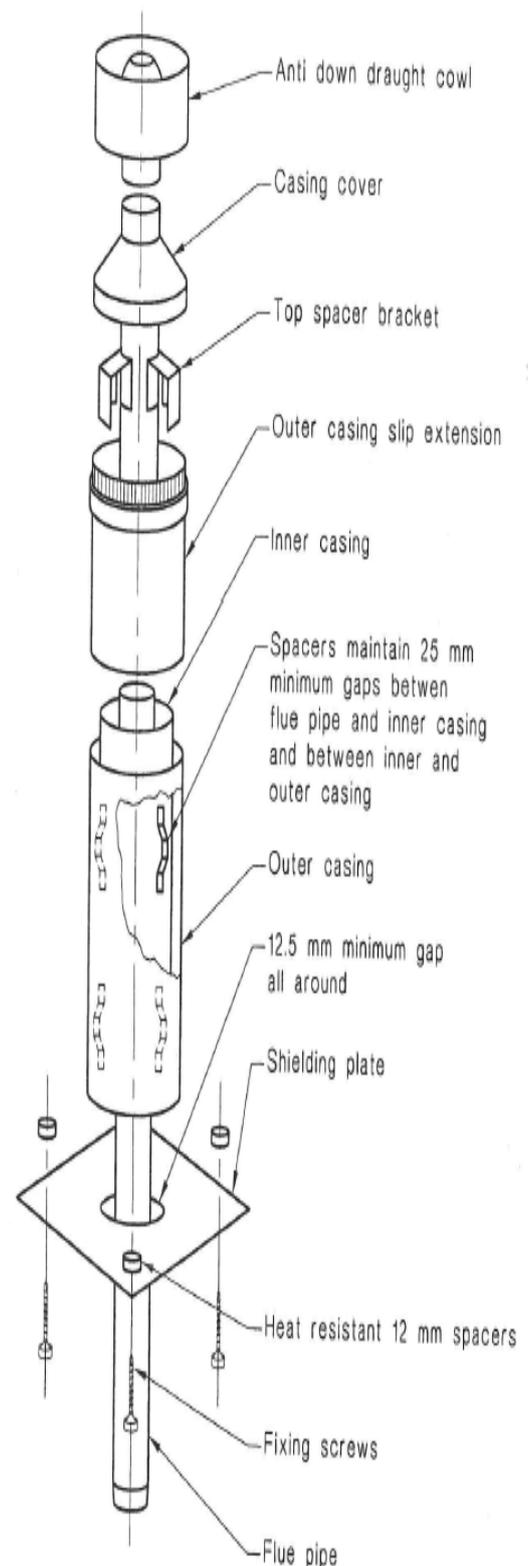
5. ASSEMBLY INSTRUCTIONS

1. Remove all outer packaging.
2. Position woodfire onto floor protector ensuring it complies with the clearances as shown in section 4 (page 5).
3. Lift top casting and ensure the baffle **and metal deflector** are correctly located and then replace the top casting ensuring good seal down onto the top rope.
4. Assemble and install the flue as per instructions (page 7 & 8).
5. Secure both the woodfire and floor protector to the floor by using 6-8mm Dyna Bolt fastenings through the holes provided in the rear of the base plate. This is a New Zealand Standard 2918 requirement due to New Zealand being earthquake prone.
6. A flue shield must be fitted; the minimum requirement is for a single skin, semi-circular, stainless steel flue shield with a reflective inner surface 1200mm high. This should be installed so that the bottom edge of the flue shield is 20mm from the top surface of the woodfire and spaced off the flue by approximately 35mm.

6. FREESTANDING FLUE INSTALLATION INSTRUCTIONS

1. Position woodfire on floor protector ensuring all woodfire clearances are correct as per specified clearances (page 5).
2. Once the location is confirmed, the woodfire and floor protector shall be fixed to the floor itself (page 4 & 5).
3. Extend a plumb line from the centre of the flue spigot to the ceiling. Mark position on ceiling and roof.
4. Trim hole and nog as required ensuring that a 25mm safe clearance between combustible materials and flue components is maintained. Fix with non-combustible spacers and screws or clouts on all four sides.
5. Cut and frame (when required) an opening in the roof, position the outer casing through the roof until it is flush with the under side of the ceiling, making sure as with the ceiling there is a 25mm safe clearance between non-combustible materials and the flue components. Fix as in step 4.
6. Fix appropriate flashing around outer casing to the roof to ensure a weatherproof seal.
7. Assemble flue sections ensuring all seams are in line, the assembly is straight and crimped, and ends are pointing downwards. Fix each joint with three stainless rivets or tapping screws.
8. Place ceiling plate with folded edges upwards over fire spigot.
9. Position the flue into the fire spigot. The flue can either be lowered from the top as a single unit or fed up from the room a length at a time, ensuring that all joints are fixed properly.
10. Slide the inner casing into place, between the outer casing and the flue.
11. The flue must extend 200mm above the outer casing.
Note: Extra lengths of flue, inner and outer casing may be required to achieve the minimum clearance from the roof.
12. Slide top spreader over flue down into outer and inner casing and tighten.
13. Slide cowl over flue until it rests on spreader. Secure with rivets or self-tapping screws.
14. Fit rainhat. Do not fasten as it must be removable for flue cleaning.
15. Fix ceiling plate to ceiling maintaining an even gap all around the flue.

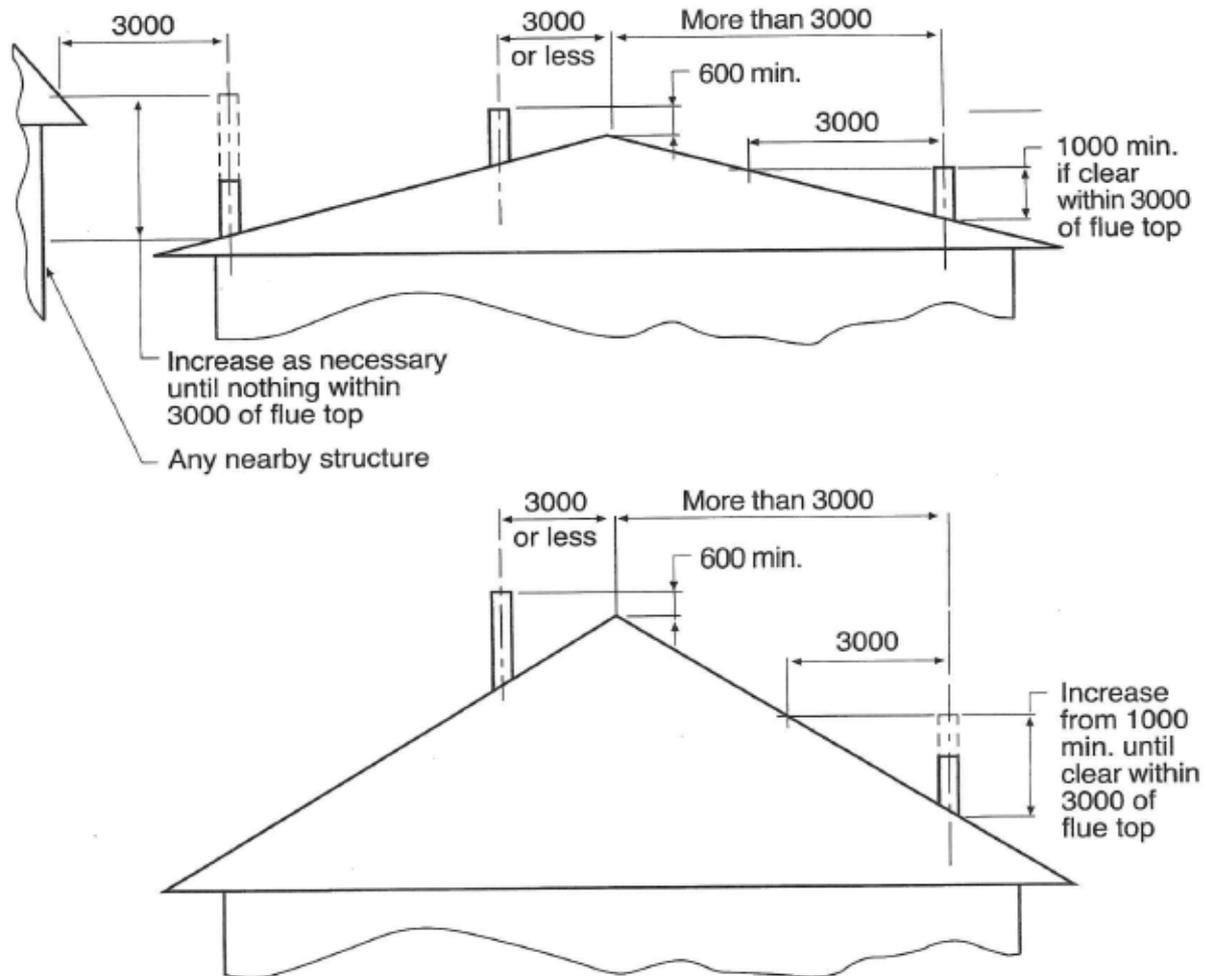
Note: Ensure ceiling plate is spaced off from the ceiling with ceramic spacers supplied.



WARNING: The woodfire and flue system shall be installed in accordance with AS/NZS 2918:2001 Appendix F and the appropriate requirements of the relevant building code or codes. Firenzo/SFP Flue Kits or Davin Flue Kits must be used.

CAUTION: Mixing of fire or flue system components from different sources or modifying the dimensional specifications of components using more than one metre of extra flue may result in hazardous conditions. Where such action is considered the manufacturer should be consulted in the first instance.

FLUE SYSTEM MINIMUM HEIGHT:



NOTES:

1. The flue shall extend not less than 4.6m above the top of the floor protector.
2. The flue cowl must be at least 600mm above the highest point of the roof if within 3 metres of it, or 1 metre above the roof penetration if more than 3 metres from the ridge.
3. No part of the building, or any adjacent building may be in or above a circular area of a horizontal radius of 3 metres from the flue exit.

7. OPERATING INSTRUCTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING ANY FURTHER.

PLEASE KEEP THIS BOOK IN A SAFE PLACE.

FIRST BURN:

On the INITIAL LIGHTING ONLY, the high temperature paint used on your woodfire will give off smoke and odour for several hours. As this is a temporary condition, open doors and windows to give adequate ventilation.

- 1 Slide the **AIR CONTROL KNOB TO HIGH (RIGHT)**.
- 2 Arrange dry kindling as per the photo below, with 2 medium pieces on the base and a lattice of kindling above. Place 2 x Firelighters at the top of the kindling stack towards the rear of the firebox.



- 3 Leave the door ajar for 5 minutes after lighting until the kindling is well aflame.
- 4 When vigorous flaming of the kindling subsides and embers begin to appear, reload with larger wood, placing them in a front to back configuration.
- 5 Open door carefully and place small pieces, then larger logs on top.
- 6 Close door tight and leave Air Control on 'HIGH' for 30 minutes. The value in establishing this technique is that you are providing an excellent base for burning your wood effectively and with minimal smoke.
- 7 When a good fire is established, move air control to middle position. **DO NOT IMMEDIATELY SHUT THE FIRE TO 'LOW'**. Remember to close the air control gradually to your desired level of heat output. It is better to take 3-4 adjustments to get to the low setting (extended burn).

RELOADING:

WARNING: ALWAYS MOVE THE AIR CONTROL TO 'HIGH' BEFORE OPENING THE DOOR.

Never open the door when a vigorous fire is in progress. Wait until the flames have subsided and the wood has broken up into glowing embers. Reload with dry logs in a **front to back formation** (i.e. parallel to the sides).

Leave the air control on the 'High' position for 10 to 15 minutes or until the flames begin to subside. This shows that the initial highly volatile wood gases have been driven off and the fire will be able to maintain an even burning rate.

Normally a light load of fuel will stabilize quickly but a full load will take longer. Once the burning rate has stabilized move the Air Control to a medium position.

FLAMMABLE LIQUIDS:

WARNING: DO NOT USE FLAMMABLE LIQUIDS E.G. GASOLINE-TYPE FUEL, KEROSENE, CHARCOAL, LIGHTER FUEL, OR AEROSOLS TO START OR REKINDLE THE FIRE.

STORAGE OF FUEL:

WARNING: DO NOT STORE FUEL WITHIN FIRE INSTALLATION CLEARANCES.

It takes from **12-24 months** to dry wood properly. Drying wood gives off a lot of water. To prevent rot and speed drying, you should provide good air circulation around the woodpile. Use a few boards to keep your wood level and off the ground. Cover wood so it is waterproof but make sure you let the sides breathe. Open-sided sheds offer an ideal way to store wood and keep it dry.

CLEANING THE ASHES FROM THE FIRE:

Disposal of Ashes:

Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a non-combustible floor 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.

A LAYER OF ASH AT LEAST 25MM DEEP SHOULD ALWAYS BE LEFT IN THE BOTTOM OF THE FIREBOX TO PROTECT THE BOTTOM AND IT WILL ALSO ACT AS 'INSULATION' FOR THE FIRE.

WARNING: DO NOT REMOVE EXCESS ASH FROM THE FIREBOX BY VACUUM UNLESS THE FIRE HAS BEEN OUT FOR 5 OR MORE DAYS - EMBERS WILL SMOULDER FOR SEVERAL DAYS AND WILL IGNITE VACUUM CLEANER BAGS.

8. DOOR GLASS

The Stella Woodfire is equipped with a self-cleaning glass air wash system. A discolouration can form after a long low burn, but 30 minutes of high burn should clear it from the glass.

Clean glass with wet newspaper dipped in ash from the firebox, then wipe glass.

Do **NOT** clean the glass while hot.

CAUTION: THIS FIRE SHOULD NOT BE OPERATED WITH CRACKED GLASS.

If replacement of glass is required:

GLASS MUST BE REPLACED WITH FIRENZO CERAMIC GLASS

Insulating material for the glass should be replaced at this time also. NEVER place glass directly against the door. Without the insulation seal tape in place, the glass is likely to shatter.

Your Firenzo dealer will be able to supply any spare parts.

9. MAINTENANCE

SECONDARY CHAMBER:

The baffles (horizontal bricks in the ceiling of firebox) are critical to the woodfires performance. They should be checked annually during flue cleaning and replaced if signs of deterioration are evident.

1. Remove any soot and creosote build-up from the secondary chamber.
2. Check baffles.

FLUE:

Creosote is caused by burning wet fuel, leaving particles and condensation to build up on the inside of any closed solid fuel fire. Creosote and soot left to build up can cause decreased heat performance and flue fires. Your heating retailer or local reputable chimney sweep will be able to assist with flue cleaning. Before commencing the flue clean it is best to remove the baffles to avoid breakages.

DOOR HANDLE AND HINGES:

Light lubrication is recommended once a year before the first autumn burn. Use a little GRAPHITE grease, available from any garage or engineering outlet. Take care not to over wind the nut on handle as this will strip the spindle thread.

SECONDARY AIR TUBE:

The Secondary Air Tubes are a consumable item and are serviceable. Please check on a regular basis for wear and tear.

FIRE BRICKS:

The internal fire bricks on the sides and base of the firebox can crack in extreme heat. However they are safe to leave as is until they start to crumble in which case they should be replaced.

FIRE ROPE:

As part of the general maintenance the door rope and glass tape should be checked and replaced regularly. Failure to do this may overfire your woodfire.

WELDS:

The 5mm exposed steel sill and deflector in the fire box is welded on each side but primarily to the firebox underneath. With expansion and contraction the side welds develop hairline cracks.

Do not be alarmed the main weld is sound and the woodfire will not be affected in any way. Any hairline cracks are not a structural problem.

INTERNAL DISCOLOURATION:

A brown (rust like) colouration will develop on the exposed inside of the fire box. This is expected over time and does not affect the performance of the fire.

10. SAFETY

All surfaces on the woodfire will get hot and cause burning if touched by bare hands. We recommend using a fireguard.

The heat from the fire will effectively dry laundry and other wet articles; however such materials should be kept well clear of the woodfire to prevent accidental fires.

The flue should be cleaned regularly (at least annually prior to the winter) to avoid flue fires. In such an event, close the air control. Do NOT open door.

Remove combustible items from near the woodfire and flue.

11. WARRANTIES

Terms applicable to Firenzo Woodfires' warranties (current as at 29th May 2015):

1. Hewitsons Limited (company number 569753) with a specified address of 98 Niven Street, Onekawa, Napier (Firenzo) and trading as Firenzo Woodfires give:
 - a ten (10) year warranty but **ONLY** for the steel firebox, fascia's and cast iron components of all Firenzo Woodfires.
 - a one (1) year warranty for all other parts and finishes of a Firenzo Woodfire including its refractory linings, glass, air supply components, wetback, seals, tapes and extrusions.
2. The warranty periods commence on the original date of sale of the relevant Firenzo Woodfire to a consumer (please see paragraph 5).
3. The warranties are given in respect of any defects in the specified Firenzo component parts and materials and Firenzo workmanship that render the component parts and materials unfit for normal domestic use.
4. The warranties have qualifying limitations, restrictions and conditions attached to them. Please see paragraphs 5, 6, 7, 9 and 13.
5. Firenzo Woodfires gives the warranties only to New Zealand consumers as defined in the Consumer Guarantees Act 1993. Please also see paragraph 16. The warranties are additional to the rights available to consumers against the manufacturer under the Consumer Guarantees Act 1993. To the fullest extent permitted at law, no other warranties or guarantees, express or implied, are assumed or given by Firenzo Woodfires to any person with respect to the quality, merchantability, description or fitness for purpose or use of Firenzo Woodfires or their component parts and materials.
6. Firenzo Woodfires is not liable for, and to the maximum extent permitted by law excludes any liability for, any consequential loss or damage arising out of the installation, ownership or use of a Firenzo Woodfire. To the extent such liability cannot lawfully be excluded, Firenzo Woodfires' liability is limited to the purchase price paid for the Firenzo Woodfire.
7. The warranties do not apply to:
 - normal wear and tear.
 - performance issues or limitations affecting a Firenzo Woodfire arising out of prevailing site conditions such as downdraughts or insufficient draw or from, incorrect servicing adjustments or incorrect flue components or installation.
8. The warranties may be assigned to other consumers (as defined in the Consumer Guarantees Act 1993) on any sale of the residential property where a Firenzo Woodfire has been installed.
9. For information (including claim procedures) concerning potential claims, potential warranty claimants should contact:
 - in the first instance, the retailer/dealer from whom the Firenzo Woodfire was originally purchased;
 - or (if the retailer/dealer is not contactable or does not address the claim to the claimant's satisfaction) Firenzo Woodfires at the specified address (page 13).

10. After complying with paragraph 9, for valid claims, a warranty claimant must submit a completed warranty claim form (see Firenzo Woodfires website, or contact Firenzo Woodfires for this form), or other form acceptable to Firenzo Woodfires providing the Model and Serial Number details (page 15), including the date of purchase and specifying the defect:
 - to the retailer/dealer from whom the Firenzo Woodfire was originally purchased;
 - or to Firenzo at the specified address.
11. The warranty claimant is responsible for paying any service call fees, transport charges and for any damages and loss incurred in transit to the Firenzo Woodfire or its component parts and materials, to and from Firenzo Woodfires or its designated accredited agent. Where Firenzo Woodfires honours a warranty, as described in paragraph 12, it will reimburse the warranty claimant any transportation costs they have incurred.
12. Firenzo Woodfires or its designated accredited agent (please see paragraph 15) will replace any component parts and materials covered by the warranties or the entire Firenzo Woodfire, at its discretion, where Firenzo Woodfires is reasonably satisfied a defect is solely due to faulty Firenzo Woodfires workmanship or materials.
13. Firenzo Woodfires may decline (in whole or part) to honour a warranty claim:
 - until any amounts due but unpaid by a consumer in respect of the Firenzo Woodfire or its servicing are paid.
 - until Firenzo is provided with the applicable compliance and installation permits (please see below);
 - if it appears to Firenzo that the Firenzo Woodfire has:
 - not been installed correctly at the specified residential address, or not been operated and maintained strictly in accordance with the manufacturer's instructions, AS/NZS 2918:2001 and any relevant building code or consent or these warranty terms.
 - not been inspected and confirmed after installation as a compliant installation (with the requisite specifications and permits).
 - not been regularly maintained and at least annually serviced.
 - been operated with faulty, worn or missing seals.
 - been subject to misuse, neglect, or accident in transit, storage or use.
 - been damaged by water ingress in any way, including any surface rust which has occurred in transit or storage. However, this exclusion will not apply to any damage to the Firenzo Woodfire which is determined to have been caused by the wetback.
 - been over fired or has used any fuel other than clean dry firewood (having 25% or less moisture content), including any chemically treated timbers or driftwood.
 - if it appears to Firenzo that the defect is attributable to a failure to replace consumable parts or components or materials within a timely manner to maintain their durability.
14. Firenzo reserves the rights to alter or supplement the warranties, but no alteration will reduce a consumer's rights under the warranties that applied at the date of original acquisition of the applicable Firenzo Woodfire. In the event of any inconsistency between the warranties and any other written Firenzo Woodfires material, including a manual, the warranties shall prevail to the extent of the inconsistency.
15. No person other than a designated accredited agent can bind Firenzo Woodfires with respect to Firenzo Woodfires obligations under the warranties, and then only in accordance with the agent's actual authorities. A person is a designated accredited agent where they are identified and certified in writing by Firenzo Woodfires to be such with their authorities specified in the certificate. Consumers must take reasonable steps to satisfy themselves that they are dealing with designated accredited agents.
16. The warranties do not apply to export sales of Firenzo Woodfires. Separate terms apply to those sales.

This document is intended to form part of (and may be expressly referenced in) the terms of sale and purchase by every original New Zealand consumer of a Firenzo Woodfire. For any questions about the warranties or this document please contact Firenzo Woodfires at its specified address, on telephone 06 8438260, by email at firenzo@firenzo.co.nz, or via the Firenzo website www.firenzo.co.nz.

A copy of this document is to be executed by Firenzo as a deed poll in favour and for the benefit of the New Zealand consumers described in it and to be kept for inspection purposes with Firenzo's corporate records at its specified address.

Model: Stella ULEB

Serial No: _____

Date of Purchase: _____

Purchased from: _____

Please complete for your reference



Firenzo Woodfires

Manufacturers of:

[Freestanding](#)

Bronte

Contessa

Encore

Lady Kitchener

Napier

Viking

Vision

Stella

Topaz

[Insert](#)

Aqualux

Bay Fire

Flush

Kompact

Topaz

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