

MUFLA FURNACES NAHITA SERIE 642



WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Please read this manual thoroughly before making connections and plugging in the unit. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from this device.

Please retain this manual for future reference.

IMPORTANT SAFEGUARDS

- 1. Read Instructions** – All the safety and operating instructions should be read before the appliance is operated.
- 2. Retain Instructions** – The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
- 4. Follow Instructions** – All operating and use instructions should be followed.
- 5. Cleaning** – Unplug the appliance from the wall outlet before cleaning. The appliance should be cleaned only as recommended by the manufacturer.
- 6. Attachments** – Do not use attachments not recommended by the appliance manufacturer as they may cause hazards.
- 7. Water and Moisture** – Do not use the appliance near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- 8. Accessories** – Do not place the appliance on an instable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or adult and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the appliance. Any mounting of the appliance should follow the manufacture's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9.** An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
- 10. Ventilation** – slots and opening in the cabinet are provided for ventilation and to ensure reliable operation of the appliance and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the appliance on a bed, sofa, rug, or other similar surface. The appliance should not be placed in a built – in installation such as a bookcase or rack unless proper ventilation is provided. There should be free space of at least 20 cm and an opening behind the appliance.
- 11. Power Sources** – The appliance should be operated only from the type of power source indicated on the parking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company
- 12. Grounding or Polarization** – Connect earth.
- 13. Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- 14. Lightning** – For added protection for the appliance during a lightning store, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the appliance due to lightning and power-line surges.
- 15. Power Lines** – An outside antenna system should not be located in the vicinity of overhead power lines or other electric Light or power circuits, or where it can fall into such power lines or circuits. When

installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with the might be fatal.

16. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

17. Damage Requiring Service – Unplug the appliance from the wall outlet and refer servicing to qualified personnel under the following conditions:

A. When the power-supply cord or plug is damaged.

B. If liquid has been spilled, or objects have fallen into the appliance.

C. If the appliance has been exposed to rain or water.

D. If the appliance does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of the other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to its normal operation.

E. If the appliance has been dropped or damaged in any way, and

F. When the appliance exhibits a distinct change in performance – this indicates a need for service.

18. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

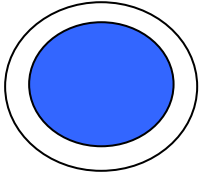
19. Safety Check – Upon completion of any service or repairs to the appliance, as the service technician to perform safety checks to determine that the appliance is in proper operation condition.

20. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.



Pongan especial atención a las señales de peligro adheridas a la máquina, y que son:
Special attention has to be given to the danger warnings in the machine which are:
Faite spécial attention aux avis de danger collés sur la machine, étant :

Señal / Signal / Avis	Peligro	Danger	Danger
VOLTAJE 	Puntos con voltaje, al sacar tapa o abrir puerta	Live points when removing the cover, or opening the door	Points avec voltage quand on enleve la couvercle ou on ouvre la porte
	Mantenimiento: Desenchufar tomas. Bloquear o retirar elementos de corte. Detectar ausencia de tensión. Poner a tierra y en cortocircuito. Señalizar la zona de trabajo.	Maintenance: Unplug all connections. Fix or remove all machine cultint tools. Check no voltage. Put to earth in short-circuit. Put signal(s) in working area.	Entretien: Enlevez les connections. Bloquer ou retirez les elements de coupe. Verifiez absence de voltage. Posez en terre et coupccircuit. Signalez la zone de travail.
	Temperatura	Temperature	Température
	Ver uso obligatorio de: 	See wear for security: 	Voir usage obligatoire:
	Superficies calientes	Hot surfaces	Surfaces chaudes
	Las paredes exteriores del horno están a más de 70°C. el interior y los cilindros del horno pueden estar a 750°C.	Outside walls of furnace can be at more the 70°C. the inside of the furnace and the flaks can be at 750°C.	Les cotes extérieures peuvent être plus hautes que 70°C. l'intérieur du four et les cylindres peuvent être a 750°C



USO OBLIGATORIO – WEAR FOR SECURITY – USAGE OBLIGATOIRE

Guantes	Gloves	Gants
Botas	Boots	Bottes
Protección del cuerpo	Body protection	Protecteurs du corps
Gafas	Glasses	Lunettes
Tenazas	Tongs	Tenailles

PRECAUTIONS

1. Warranty Claim

You can find the serial number on the rear panel of this unit. In case of warranty claim, please report this number.

2. AC Fuse

The fuse is located inside the chassis and is not user-serviceable. If power does not come on, contact your Nahita authorized service station.

3. Care

From time to time you should wipe the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with clean cloth. Do not use rough material, thinner, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering.

4. Power

WARNING

BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage area where this unit will be used meets the required voltage (e.g., AC 230 V, 50 Hz or AC 120 V, 60 Hz) written on the rear panel.

Worldwide models are equipped with a voltage selector to conform to local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before plugging in the unit.

FCC Information for User

CAUTION:

The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

GENERAL RULES:

A) To work within the temperature regimes assigned to the furnace and not to exceed the established limit temperatures, determined by the disposition of the heating elements and the required safety margins.

Furnace model: 642 1200 °C Maximum temperature.

B) The fact that an electric furnace is offered up to determined maximum work temperatures does not mean that it cannot exceed them if it is not under supervision or automatic control, which can lead to the fusion of the heating elements. The limit work temperatures assigned correspond to the maximum admissible based on the heating elements within the normal functioning guarantees and the suitable safety margins. Considering that there is always a temperature differential between the registered temperature in the useful chamber and that of the heating element, always being superior the latter, in order to compensate the furnace heat losses and to increase relatively quickly the chamber temperature that require the work needs, we advise that, if the maximum temperatures that the furnace can reach are not necessary, it is better not to use them without a determined purpose as this always causes a reduction of the normal life of the heating element due to its work at the most critical points.

In the furnaces with resistances that work with direct radiation, this basic characteristic should not be modified. The obstruction of the normal radiation of the heating element with compact objects not

specially designed that produce an excessive heat concentration in the heating elements, means overtemperature and fusion risks. In general it should be avoided all those thermal processes that chemically or physically attack the heating resistances and in any case it will be avoided the direct contact with strange materials to the ceramic parts of the muffle or supports.

C) To dispose of the suitable temperature control tools to know at any time the exact chamber temperature as well as to apply the suitable regulation apparatus when it is necessary to carry out thermal processes that require to stabilise the furnace at high temperatures for a long time. If due to long furnace use or other causes there are doubts on the marking accuracy of the pyrometric equipment, it is advisable to contrast it with a known fidelity pattern.

D) We always recommend the use of original spare parts in the Nahita furnaces and the reparation services of the manufacturer himself; nobody better than him can leave the furnace again with the same conditions and guarantees of first use.

The fulfilment of such rules and the careful treatment of the apparatus will allow to get from the furnace a suitable performance, long life and elimination of annoying breakdowns.

INSTRUCTIONS

CONNECTION: It will be connected to the supply system at 220v between active phases. We recommend to establish the ground connection that the pin incorporates – origin plug. This ground connection has to be always a real ground, never the neutral of the mains. In the event that there were no ground installation, it is preferable not to connect it as it is not essential for the normal functioning of the apparatus, although it is very recommendable as at high temperatures heat-resistant materials loose partially their dielectric value and in some cases there can be a little electrical derivation to the general chassis of the apparatus, a leak originated through the heat-resistant parts that support the electrical resistances and that are subject to maximum temperature.

This normal phenomenon is already planned in the furnace conception, with the due safety isolation, in the electrical aspect in the parts of the apparatus manipulated by the operator, and it is totally eliminated establishing the regulated and correct ground connection.

CHIMNEY: At the back of the furnace, there is a round assembly destined to the fixation of the self-sucking chimney supplied as an accessory. If this accessory has not been ordered and the furnace does not have any chimney, the hole can be left uncovered. If you wish, you can cover it with ceramic fibre or another fireproof material, but we repeat that it is not necessary to do it for the normal functioning of the furnace.

BOTTOM TRAY: It protects the plate and/or resistance of the furnace base against product spills or electrical contacts. It should always be placed with the ribs in the lower part (on the furnace bottom) to allow a freer heat radiation of the heating plate of the furnace base.

TECHNICAL SPECIFICATIONS:

Code	JBP001	JBP002	JBP003	JBP004	JBP005
Model	642/3	642/6	642/8	642/12	642/16
Capacity	3.6 L	6 L	7.6 L	12 L	18 L
Maximum temperature (T ^a max)	1200°C				
T ^a max limited working	1100°C				
T ^a max continued working	No recommended				
Potency (W)	1200W	2000W	3800W	3800W	4500W
Thermocouple	Type K thermocouple				
Control	Digital				
Heater	Thread Kanthal AF				
Heating place	2	3	3	2	3
Door	Down door	Down door	Down door	Down door	Side door
Controler	Bottom	Bottom	Bottom	Bottom	Side
Inner camera (HxWxD)	120x150x200 mm	150x200x200 mm	160x200x240 mm	200x250x280 mm	230x260x300 mm
Outer dimension	450x350x430 mm	400x500x450 mm	500x550x550 mm	490x440x500 mm	600x700x600 mm
Voltage (V)	220V				
Weight (kg)	30 Kg	45 Kg	45 Kg	45 Kg	60 Kg