



It is necessary to comply with all national regulations, especially those referring to national and European standards, when installing the appliance.

JC BORDELET recommends installing the appliance at a minimum distance of 100 mm from non-combustible walls to ensure good efficiency of the appliance and facilitate assembly.

For any direct connection to the outside air, it is mandatory to ensure that the inlet sections are sufficient according to their length and re-routing

This appliance must not be installed on a smoke duct or an air supply serving another appliance.

Exhaust fans in the same room or space as this appliance may cause operating problems. (backdraft of smoke, variable combustion rate). The compatibility of the appliance with any exhaust fan should be ensured. Exhaust fans have no impact on combustion if the combustion air inflow is ducted, the air is drawn from outside the building, the door(s) are properly locked, and all the air seals are not deteriorated.

The appliance must be suspended according to the recommendations of JC BORDELET based on the information given and validated by the installer.

It is necessary to provide an access for cleaning the appliance, the connection duct and the smoke duct. For reasons of space, all our appliances are delivered in separate components. The assembly must be carried out in accordance with this installation manual and according to the drawing provided by JC BORDELET after study of the installation.

During installation, it is necessary to leave the protection devices present on the appliance and to remove them only after all the assembly operations are completed.

The actual definitions of certain parts described in this manual may change without affecting the installation and/or operation.





#### **TECHNICAL INFORMATION**



TATIANA CENTRALE

TATIANA MURALE

Rated thermal power	8,5kW
Useful thermal power emitted in the room	8,5kW
Energy efficiency	-
Minimum distance between the glass pane of the appliance and all combustible materials	1200mm
Minimum distance between the side of the appliance and any combustible materials	500mm
Minimum distance between the bottom of the appliance and any combustible materials	310mm
CO (13% O2)	-
PM (13% O2)	-
CO2	1,45%
Smoke temperature	166°C
Smoke temperature at the nozzle outlet	200°C
Minimum draft - Nominal draft	12 Pa
Fuel	Dry wood logs 50cm length
Recommended wood load	2 logs of 2kg , length 30cm split in ¼
Type of combustion	Intermittent combustion
Refuelling intervals	45min
Mass flow rate of smoke	49 g/s
Smoke discharge diameter	Ø236mm / Ø250mm
Air inlet diameter	300cm <sup>2</sup>
Mass of appliance only	126kg
Airtight according to EN 16510-1	NO
If tight, leakage under 10Pa according to EN 16510-1	1
Mass per meter of additional pipe length	24kg
Energy efficiency index	46

In the case of a wall appliance, the back wall must be made of non-combustible material

\*The back wall must be made of a non-combustible material and provided with insulation over the entire surface within the construction right-of-way. This insulation must have a reaction to fire classification M0, A2s1d0 or A1 and a thermal resistance greater than 0.7m<sup>2</sup>.K / W (measured at 50 ° C). The insulation must not be able to degrade at temperatures below 400 ° C (for example, calcium silicate, mineral rock wool, etc.)

In the event that the back wall is made of combustible material, it is necessary either:

-remove the combustible material and install insulation as described above.

-or put a partition in non-combustible material at least 2cm from the wall in combustible material and ventilate through two openings (bottom and top). An insulation must then be put on the partition created in the same way as seen previously.



## **INSTALLATION**

#### **RECEIPT OF THE UNIT**

Check that your unit has not been damaged during transport. Check in particular the glass, the door opening, the operation of the controls and the condition of the interior fittings of the fireplace.

#### LOCAL

## Your appliance cannot under any circumstances operate in a

room with negative pressure. The presence of a hood, VMC or other heating device requiring air in a well-insulated house can cause disturbances (poor combustion, backflow of smoke, etc.). Check that the air necessary for the combustion of wood can be drawn in sufficient quantity from the room. When the air intake of the room is insufficient, it is necessary to make an additional supply of clean air to the chimney.

#### Combustion air

In the case of an unconnected appliance, the air supply for the operation of the fireplace must have a minimum useful surface of 100 cm2. It must be located either directly outside or in a ventilated room on the outside and open at the base of the device. It must be

It is necessary to position the air inlet grilles so that they cannot become blocked.

During operation, this air inlet grille must be free and unobstructed. A fault in the combustionn air supply will cause the appliance to malfunction seriously.

This appliance must not be mounted on an air supply serving another appliance.

It will also be necessary to take into account any pressure losses linked to the construction of a pipe that is too long (taken into account in the sizing).

It is preferable to make the connection to the outside air in order to optimize combustion regulation. Depending on the specific conditions of the building (tightness, presence of a VMC, presence of a kitchen hood, etc.), it is mandatory to create a specific air inlet for the device. Ideally, this air inlet should be under the device.

It is important to point out that any subsequent modification of the conditions of use (installation of a CMV, a hood or any other device taking air, insulation work or improvement of the seal, etc.) may cause a backflow type malfunction.

#### THE LOCATION

Before any work, it will be necessary to carry out a precise and professional examination of the future location as well as of the connecting duct. In addition, it is imperative to take into consideration the dimensions of the device in the "Technical Information" chapter.

The unit must be installed on a floor with adequate bearing capacity. If an existing construction does not meet this prerequisite, adequate measures (for example, the installation of a load distribution plate) must be taken to allow the ground to support the unit.

All preparatory work for installing your appliance must be completed before installation (flue, outside air intake, masonry, etc.).

We recommend installing the unit in a room with no water and air. Dust resulting from work can settle on the unit and burn when it is put into service, causing the ceilings to blacken. It is therefore recommended that you wait for the completion of the work to install your unit.

Check the nature of the materials constituting the backing walls, the floor, the ceiling. No combustible or heat-degradable material should be located within the safety distance specified in the table above. The floor must be made of non-combustible material.

#### THE SMOKE DUCT

Each appliance must be connected to a flue to evacuate the smoke produced by combustion to the outside thanks to a natural draft. We recall synthetically that:

-The flue must comply with standards, have CE marking and be made in compliance with safety standards as stipulated in NF DTU 24.1-The duct must be suitable for the specific operating conditions of the device to be installed and suitably sized according to the latter according to standard NF EN 13384-1; in particular, it must guarantee the minimum and nominal draft prescribed in the "Technical Information" chapter.

-The duct components must have a fire resistance class G and a minimum temperature class higher than the declared temperature at the nozzle of the device.

-The sizing of the installation (NF EN 13384-1) gives the class of operation with respect to condensation (D or W). We recommend that you give preference to class D operation as much as possible (If W, provide condensate recovery).

-In the case of reuse of a masonry flue with casing, it must be double smooth inner skin, class G. The implementation of this casing must comply with the recommendations of NF DTU 24.1 chapter 15 -A flue can only serve one unit

It is recommended to equip the foot of the flue with a soot and condensate recovery system, fitted with a trap door or any other easy access means to facilitate control and maintenance operations.

The installation of the flue must be carried out in accordance with NF DTU 24.1 while respecting:

-Safety distances from combustible materials (the greater of the two values between that declared by the manufacturer of the flue component and that required by NF DTU 24.1)

#### THE CONNECTION DUCT

The choice of connection duct components must be made according to the same characteristics requested for the flue components, namely that they are at least class G (fire resistance).

The installation of the connection duct must be in accordance with NF DTU 24.2

We recall synthetically that:

-All connection ducts must be at least the inside diameter of the appliance's smoke outlet nozzle. No section reduction is allowed on the route of the connection duct

-The number of elbows on the connecting duct is limited to a maximum of two, each of which is a maximum of 45 ° from the vertical

-It is strongly recommended to make a connection duct as simple and straight as possible

-The layout of the connection duct is limited to the room in which the unit is installed.

-It is strongly recommended to secure the holding in place of the connection pipe on the nozzle of the unit in order to avoid disconnection during maintenance operations

-When a hot air distribution system by mechanical extraction is installed, the connection duct must be of class N1. No draft moderator must be installed to prevent any discharge or suction of fumes.

#### THE CHIMNEY STRAIN

The stump is the work that is located at the end of the chimney pipe and is intended to facilitate the evacuation of combustion products into the atmosphere.

We quickly recall that the strain:

- Must have a useful outlet section specially dimensioned and not less than double that of the chimney flue

-Must be constructed in such a way as to prevent the entry of rain, snow and any other foreign matter into the flue

- Must exceed any construction obstacle as requested in the decree of 22 October 1969 article 18



## **1.1-INSTALLATION OF THE FIXING PIECE**



## **TATIANA997 CENTRAL SUSPENDED**



## **1.2-INSTALLATION OF THE PIPE LENGTHS**



## **1.3-INSTALLATION OF THE TATIANA997**





## **TATIANA997 CENTRAL SUSPENDED**

# 2.1-INSTALLATION DE LA PIECE DE FIXATION



# 2.2-INSTALLATION OF THE PIPE LENGTHS



## 2.3-INSTALLATION OF THE TATIANA997





## **TATIANA997 WALL MOUNTED SUSPENDED**

# 3.1-INSTALLATION OF THE ACCESORIES \_ TATIANA997 CENTRAL











# **3.2-INSTALLATION OF THE ACCESSOIRIES \_ TATIANA997 WALL MOUNTED**









# TROUBLESHOOTING AND REMEDIES

ORDERS	POSSIBLE REMEDIES
Condensation Corrosion	<ul> <li>Burn wood with humidity &lt;20%</li> <li>Increase the combustion air supply *</li> <li>Check the air supply settings of the unit</li> <li>Clean the unit</li> <li>Check the frequency of chimney sweeping (twice a year, including once during the period of use)</li> <li>Clear the flue outlet of any disturbing element (eg satellite dish, etc.) *</li> <li>Raise the cap on the smoke outlet *</li> <li>Raise the flue (40 cm protrusion from the ridge) *</li> </ul>
Wood is hard to burn	<ul> <li>Insulate the fide *</li> <li>Use wood with a smaller section or in quarters</li> <li>Put at least two logs (with the exception of densified logs)</li> <li>Burn wood with humidity &lt;20%</li> <li>Increase the combustion air supply *</li> <li>Clear the flue outlet of any disturbing element (eg satellite dish, etc.) *</li> <li>Raise the cap on the smoke outlet *</li> <li>Raise the flue (40 cm protrusion from the ridge) *</li> <li>Insulate the flue *</li> </ul>
The wood burns too fast	<ul> <li>Put logs of larger section</li> <li>Install a draft moderator *</li> </ul>
Bistrage of the flue	<ul> <li>Burn wood with humidity &lt;20%</li> <li>Increase the combustion air supply</li> <li>Clear the flue outlet of any disturbing element (eg satellite dish, etc.) *</li> <li>Raise the cap on the smoke outlet *</li> <li>Raise the flue (40 cm protrusion from the ridge *</li> <li>Insulate the flue *</li> </ul>

\* This operation must be carried out by a qualified professional



# JC BORDELET

créateur d'harmonie

ZI de Lhérat 63310 RANDAN Tél: 0470561600 – Fax : 0470561689 www.bordelet.com



**TATIANA997** –