

# LA CORNUE CHÂTEAU LINE

## WALL HOOD

## INSTALLATION GUIDE



LA CORNUE HEADQUARTERS AND WORKSHOP

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All of the characteristics are provided for information purposes only. With the aim of constantly improving its production quality, La Cornue may make modifications to its appliances in line with technological developments.

## WARNINGS

**Read the guides before installing and using this appliance.**

**We decline any responsibility for damage or fires caused by the device if the following warnings are not observed.**

Keep these guides with your device. If the device has to be sold or transferred, the new user shall be informed of its operation and any important warnings.

This device may not be used by children or disabled persons without the presence of an adult.

### I. INSTALLATION

This appliance must be installed by a qualified professional in accordance with the current regulations in the country where the appliance is installed.

All installation and connection operations, activation and repairs must imperatively be performed by a qualified technician. The technician will determine the type of wall mounting and the outer ventilation outlet connection adapted to your hood model.

Take account of the hood's weight and the support structure's technical characteristics when choosing the type of wall mounting. Respect the permitted maximum load values for the supplied pegs. They have the following values depending on the type of support structure (10mm-diameter pegs):

- Concrete: 9.4 kN,
- Bricks: 5.2 kN,
- Sand-lime bricks: 4.8 kN.

For any other support structures, please ask the opinion of a building expert (e.g. an architect) to guarantee correct and stable hood assembly.

Incorrect assembly may cause the hood to become loose and the appliance could fall.

### 2. RISK OF INJURY

Certain parts of the hood may present sharp edges due to production. To protect your hands, wear safety gloves during installation.

### 3. ELECTRICAL INSTALLATION

The electrical supply voltage must correspond to the voltage indicated on the rating plate situated inside the hood near the filters.

Connect the hood to an electrical supply which must be connected to earth and equipped with a circuit breaker in accordance with the current regulations.

The plug must be easily accessible once the hood is assembled so that it can be unplugged if necessary.

In the case of a direct connection to the network, only a qualified electrician may connect the hood to the electric current. In this case, the electrician must connect the hood to a single-phase alternating current circuit equipped with a bipolar differential switch.

**Cut off the current before performing any electrical interventions on the hood.**

Ensure that none of the electrical cables are damaged before drilling the mounting holes into the wall or the ceiling.

Perform the electrical connection so that you can easily connect the hood.

**Comply with local directives.**

#### 4. VENTILATION SHAFT

**Never connect a hood to a CMV (Controlled Mechanical Ventilation), central heating or gas heating shaft.**

Respect the current regulations for ventilation shafts.

Prepare the ventilation shaft so that you can easily connect the hood. To optimise the performance of your hood, **ensure that you respect the ventilation outlet diameter recommended by the manufacturer.**

Install the ventilation shaft without folding it. Elbows formed by the ventilation shaft reduce your hood's efficiency. Avoid them as far as possible by installing the hood as close as possible to the ventilation shaft.

Your hood is an "external ventilation" model. Do not evacuate the air to areas with walls and ceilings, e.g. roof space, attics, garages.

Check that there is sufficient air entering your kitchen, taking account of all other appliances installed in the same room and powered by a source of energy other than electrical energy (e.g. wood-burning or fuel-fired appliances, etc.).

#### 5. FIRE HAZARDS

To reduce fire hazards, only use metal shafts.

The hood can only be installed above a solid fuel fire if the fire is closed by a non-removable cover.

Never flambé food under the hood or leave a gas burner alight without a container. Any flames entering the hood may damage the filters and cause a fire.

Frying food must be monitored attentively. Overheated oils and greases can catch fire.

Clean the appliance regularly according to the indications given in the “Maintenance and Cleaning” chapter

## 6. DISTANCE FROM THE COOKTOP

To optimise the performance of your hood, install the hood at a distance of 900mm from a cooktop and at least 650mm from an electric cooktop and at least 750mm from a gas or mixed cooktop.

# DESCRIPTION

## I. GENERAL DESCRIPTION

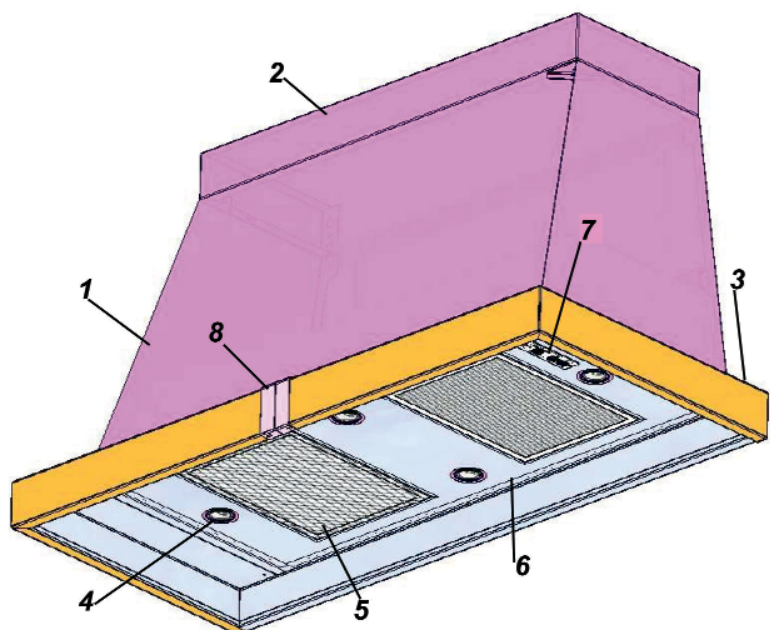
This document is common to all La Cornue Château line hood models. With our “special”, “individual” manufacturing principle offering a wide variety of models, it is quite possible that you may not find the description or the technical characteristics for your personal model in this brochure.

This guide only provides you with the dimensions and the technical characteristics for “standard” wall hoods equipped with integrated motors (one or two motors). Nevertheless, you can refer to this guide for performing the installation and using the other models.

Refer to your order to know exactly your hood model, its dimensions and its equipment.

***In our constant endeavour to improve and innovate our products and in order to offer you the most appropriate solutions, we reserve the right to modify their technical, functional or aesthetical characteristics with regard to their technical development and any changes to current regulations.***

1. Hood mantel
2. Ferrule
3. Listel
4. Halogen light
5. Filter
6. Stainless steel ceiling
7. Control panel
8. Listel connecting piece



## 2. TECHNICAL CHARACTERISTICS OF HOOD EQUIPMENT

Voltage: 230 V a.c. single-phase + earth / 50 Hz

Integrated motor (characteristics only for a single motor):

- Nominal flow: 720 m<sup>3</sup>/h
- Electrical power: 185 W
- Current: 0.80 A
- Maximum speed: 2230 RPM
- Noise: 56 dB
- Insulation class: B

Filter:

- Stainless steel
- Dimensions: 300 x 400 mm

Lighting:

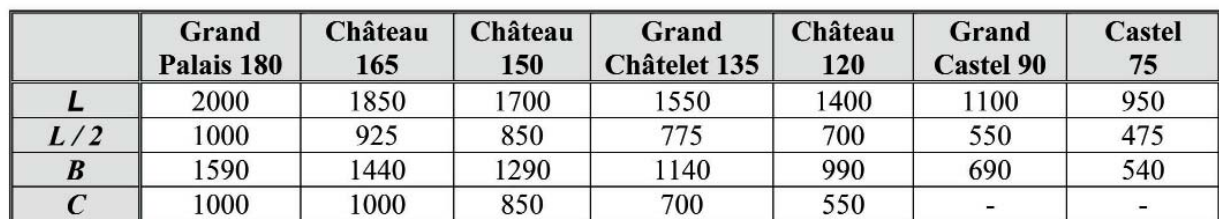
- Halogen light
- Power: 20W

Control panel inside the hood on the right: Motor speed regulator and light button.

Remote control: **option**

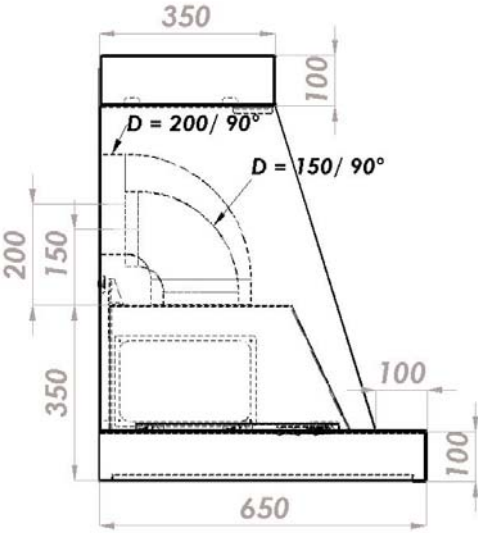
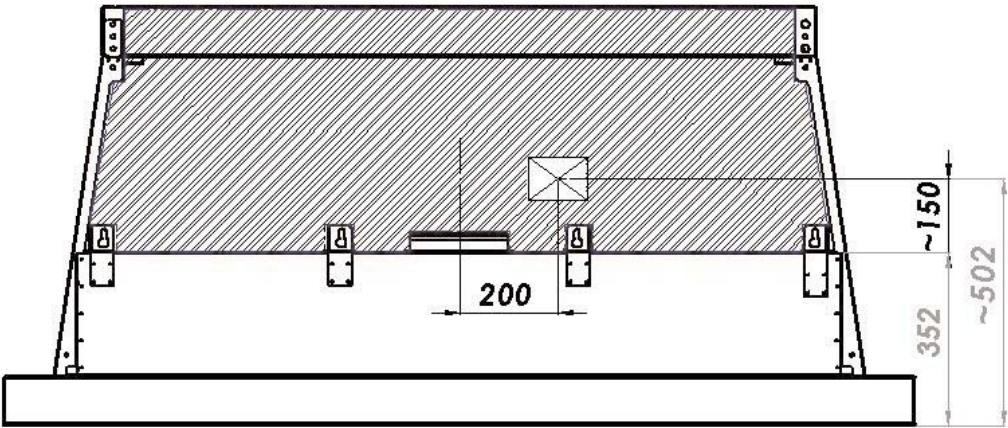
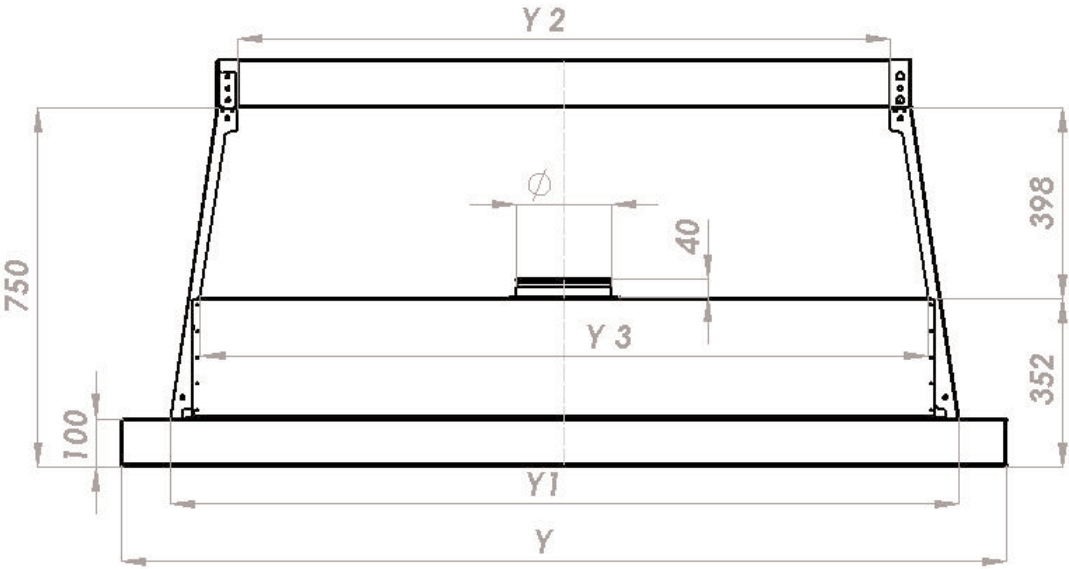
## 3. HOOD DIMENSIONS AND TECHNICAL INFORMATION

	Grand Palais 180	Château 165	Château 150	Grand Châtelet 135	Château 120	Grand Castel 90	Castel 75
<b>X 1 (mm)</b>	2000	1850	1700	1550	1400	1100	950
<b>X 2 (mm)</b>	1600	1450	1300	1150	1000	700	550
<b>X 3 (mm)</b>	1744	1594	1444	1294	1144	844	694
<b>X 4 (mm)</b>	1556	1406	1256	1106	956	656	465
<b>X 5 (mm)</b>	1534	1384	1234	1084	934	624	475
<b>X 6 (mm)</b>	598	548	498	548	398	-	-
<b>X 7 (mm)</b>	458	408	358	408	258	-	-
<b>Weight kg</b>	160	150	130	110	100	80	70
<b>Voltage Volts</b>	230 V.a.c. 50Hz	230 V.a.c. 50Hz	230 V.a.c. 50Hz	230 V.a.c. 50Hz	230 V.a.c. 50Hz	230 V.a.c. 50Hz	230 V.a.c. 50Hz
<b>Total power Watts</b>	490	490	450	450	450	265	265
<b>Number of integrated motors</b>	2	2	2	2	2	1	1
<b>Number of filters</b>	2	2	2	2	2	1	1
<b>Number of halogen lights</b>	6	6	4	4	4	4	4
<b>Diameter of the exhaust flange mm</b>	200	200	200	200	200	150	150
<b>Fixing screws</b>	10	10	10	10	8	6	6





	Grand Palais 180	Château 165	Château 150	Grand Châtelet 135	Château 120	Grand Castel 90	Castel 75
Y	2000	1850	1700	1550	1400	1100	950
Y1	1800	1650	1500	1350	1200	900	750
Y2	1515	1365	1215	1065	915	615	465
Y3	1704	1554	1404	1254	1104	804	654
Ø	200	200	200	200	200	150	150





## ASSEMBLY INSTRUCTIONS

### HOOD WITH EXTERNAL EXTRACTION

An assembly jig is attached to the hood for transportation to avoid any damage. To install the hood, you must first remove this jig according to the following indications but, before doing so, you must imperatively prepare the hood support structure according to our instructions.

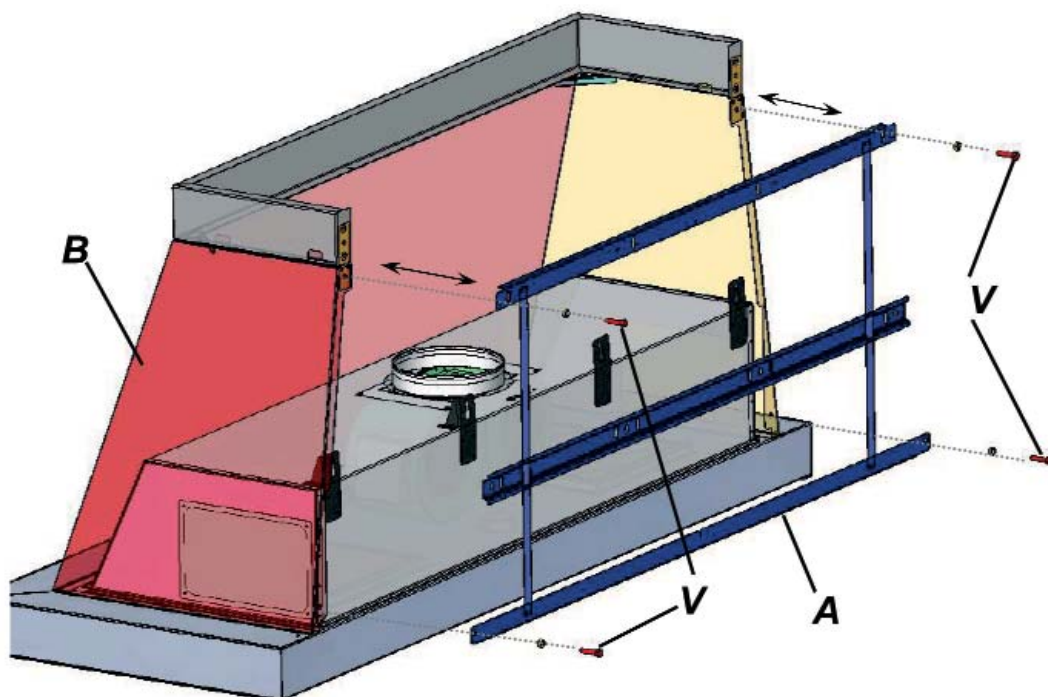
1. Prepare the external extraction ventilation shaft in the wall or in the ceiling.

To guarantee the best smoke extraction results, the hood must be centred in relation to the cooktop.

To facilitate mounting, start by tracing the cooktop's central axis. If there are no constraints, respect a height of approximately 900 mm (+/- 50 mm) between the cooktop and the hood.

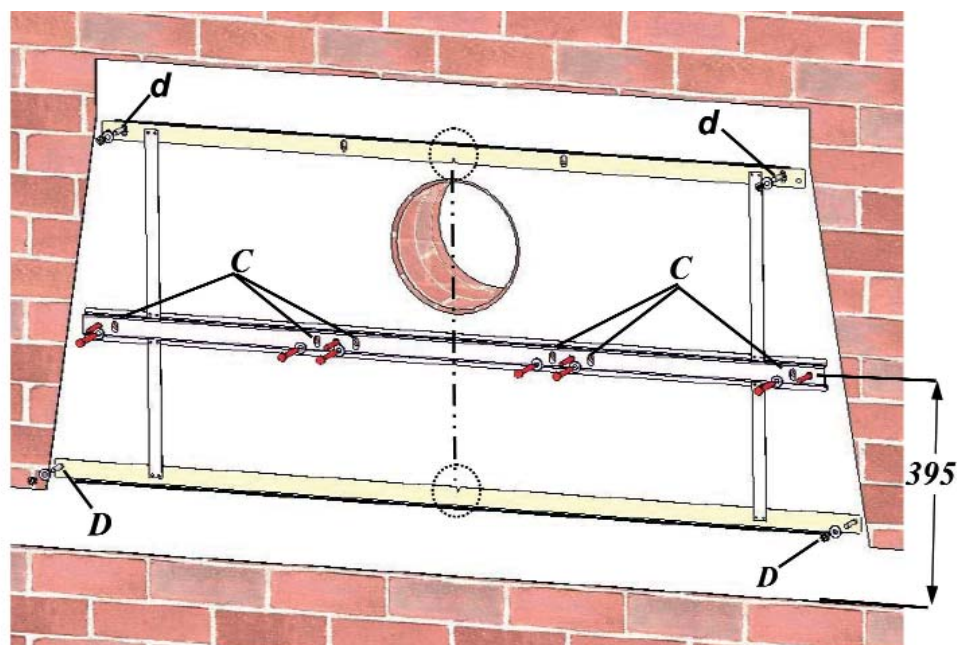
Depending on the installation conditions, we recommend you to leave a slight space between the top of the hood and the ceiling to facilitate ferrule assembly.

2. Unscrew the assembly jig (A) from the hood and remove the hexagonal head screws (V). These screws will be replaced by the threaded rods supplied in the packaging with the hood. Then remove the hood mantel (B) from the body.

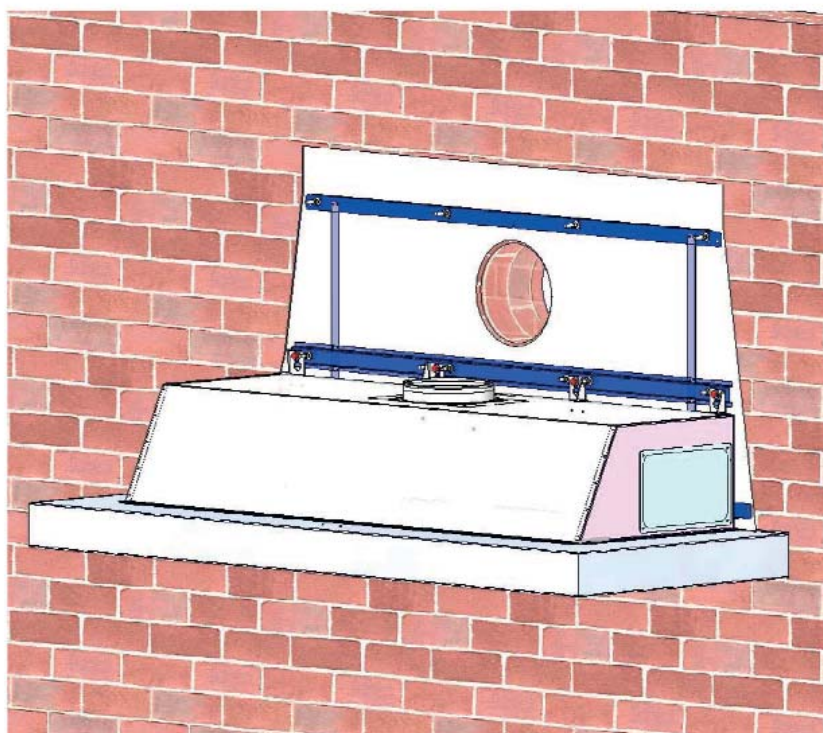


3. Position the assembly jig on the wall. The grooves in the middle of the bars indicate the centre of the hood. Ensure that the assembly jig is horizontal and mark the holes for drilling. Drill the holes indicated on the jig in the wall and insert pegs adapted to the type of wall. Fix the assembly jig into holes C with long screws and into the upper and lower holes (d, D) with the threaded rods supplied with the hood.

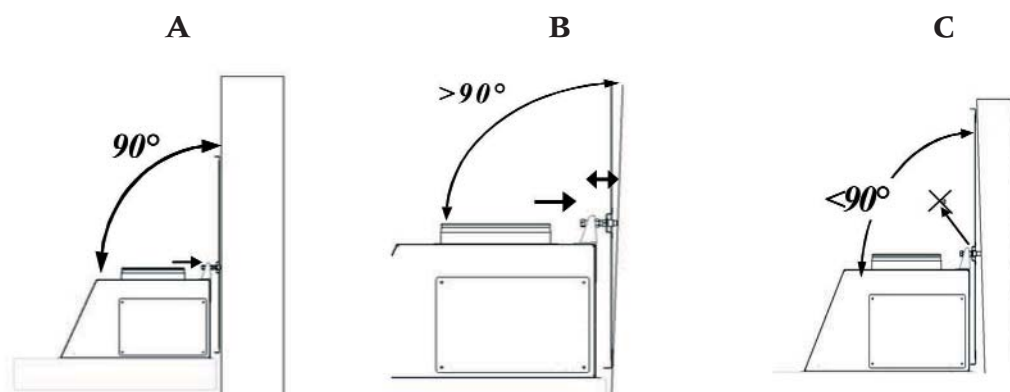
**N.B. The pegs supplied are only suitable for solid materials.**



4. Now fix the hood body to the assembly jig's central crossbeam and ensure that the jig and the body are well secured.



5. The mounting lugs allow you to adjust the position (angle) of the hood body in relation to the wall. Choose your version according to the shape of the wall (A, B, or C). The adjusting screws must be blocked with the locknuts.



6. Connect the ventilation shaft to the manifold flange.

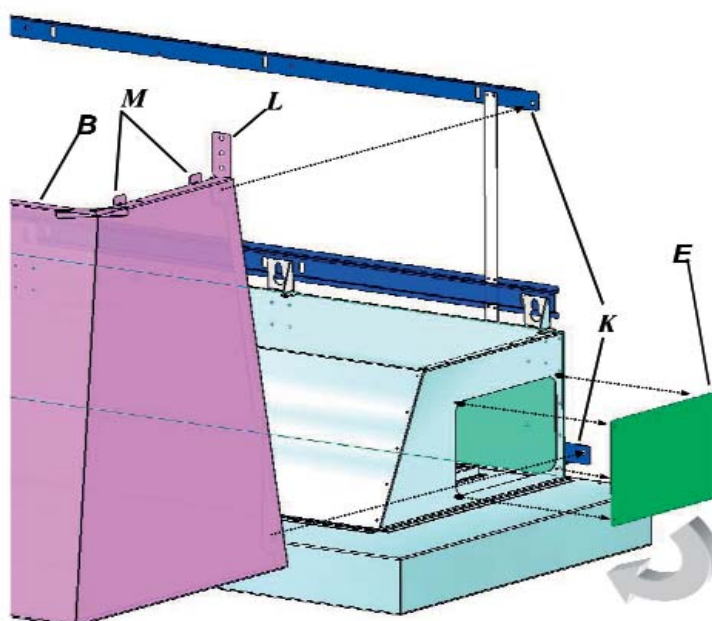
**Please note: The ventilation shaft must not be folded or crushed.**

Perform the electrical connections.



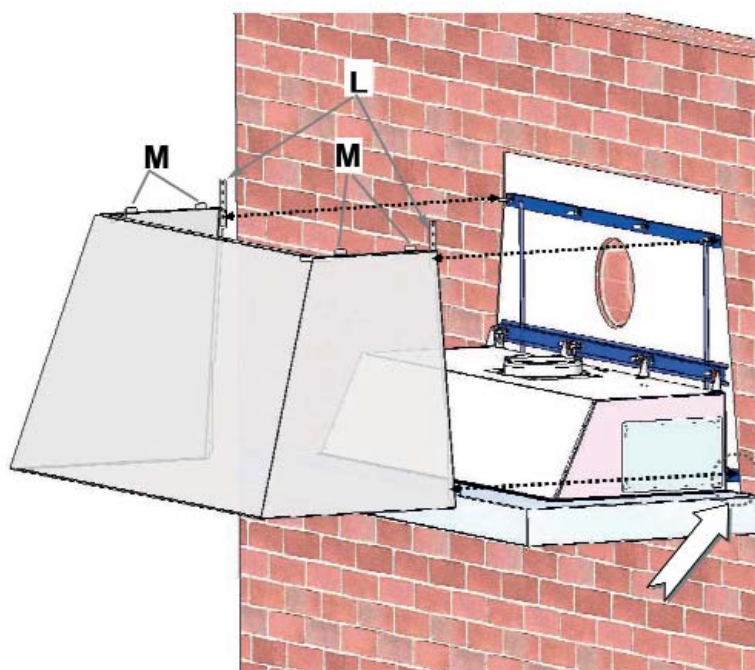
7. Remove the 2 hatches (E) from the sides of the body.

8. Fit the mantel (B) onto the threaded rods (K). The hood mantel must not be twisted. Screw the mantel at the bottom via the hatch and at the top via the space left vacant for the ferrule. Replace the hatches inside the body via the filters.



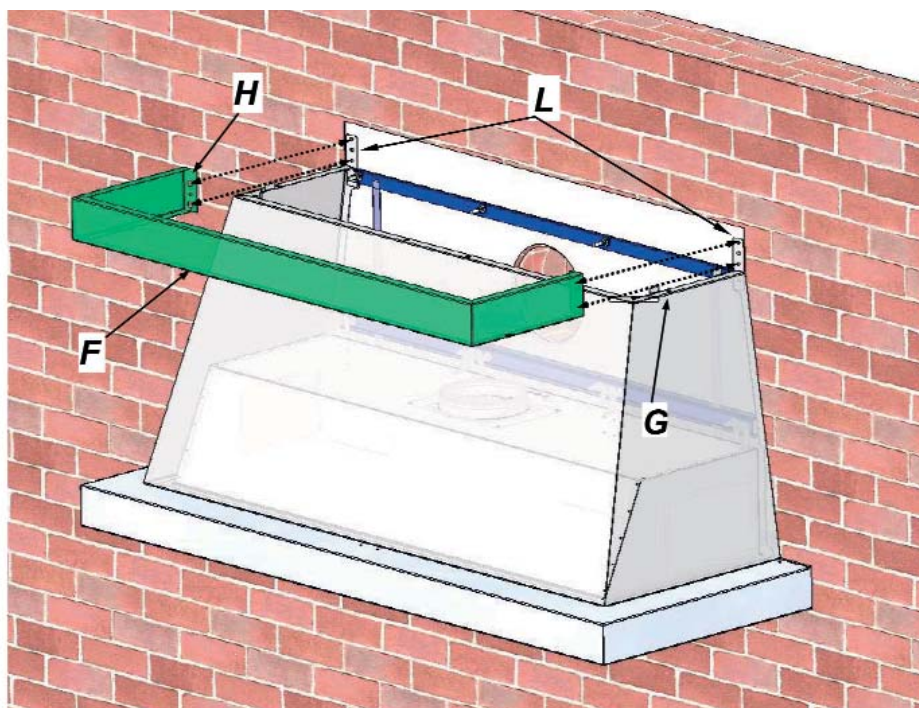


**Please note:** If the hood is ordered without a ferrule, before fixing the mantel in place, you must remove the lugs (L) that are designed for fixing the ferrule in place and pull down the guiding lugs (M).

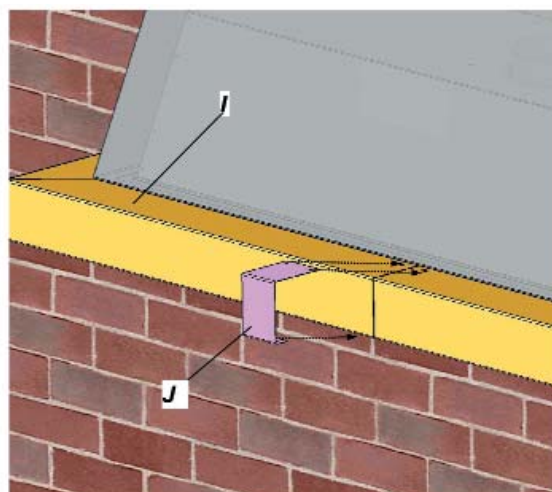
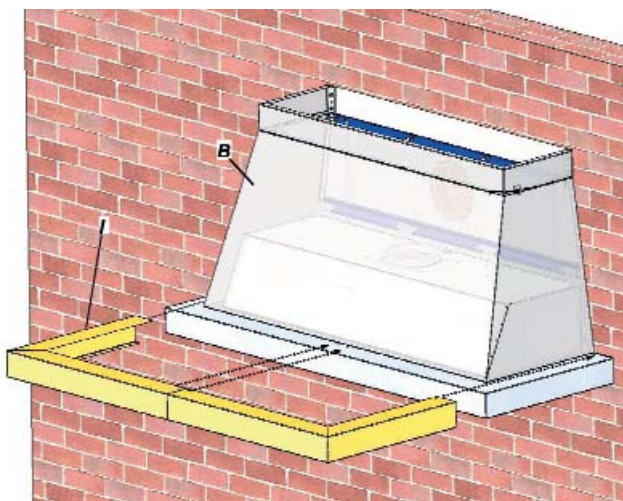


9. Position the hood ferrule (F) in place by sliding it in parallel above the hood mantel. The two clips on the rear lugs (L) must be inserted into the holes (H) on the ferrule. The screws (G) on the left and right of the hood must simultaneously enter the holes provided for that purpose in the ferrule. By pushing the ferrule backwards strongly, these screws ensure that the ferrule is well positioned and sufficiently stable \*.

\* Do not pay attention to Paragraph 9 if the hood is ordered without a ferrule.



10. Position the listels (I) on the hood body and fix them in place on the left and right with a M3 screw. Fix the connecting piece in place. (J).



11. Fix the 5-star plate to the listel connecting piece (J) with 3 M3 screws.

12. Position the filters in place and perform an operating test

## COMPLIANCE WITH EUROPEAN DIRECTIVES

All of our appliances comply with the following European Directives:

- Directive 2006/95/EC "LOW VOLTAGE"
- Directive 89/336/EEC "ELECTROMAGNETIC COMPATIBILITY"
- Directive 2002/96/EEC "WEEE, WASTE FROM ELECTRICAL AND ELECTRONIC EQUIPMENT"
- Directive 2002/95/EEC "RoHS, RESTRICTIONS ON HAZARDOUS SUBSTANCES"

### WASTE FROM ELECTRICAL AND ELECTRONIC EQUIPMENT

The European Parliament's 2002/96/EC Directive on waste from electrical and electronic equipment (WEEE) requires that used household appliances are not disposed of in unsorted municipal landfills and must be collected separately to optimise recovery and recycling of the materials they contain and thus reduce their impact on human health and the environment. Consumers should contact their local authorities or their dealer with regard to the procedure to be followed for the collection of their old appliance. Please comply with local regulations for disposal of the packaging material. The packaging can thus be recycled.



This "crossed-out bin" logo found on all products means that the equipment cannot be disposed of with other waste, that it is the object of a selective collection with a view to recovery, reuse or recycling.

## WARRANTY (3 YEARS)

Following receipt of full payment for our goods, our appliances are guaranteed three years from the invoice date against any structural faults and any material defects. The warranty excludes improper use of the appliance or a non-compliant installation. Intervention and travel costs will be billed in this event.

If our goods were to dysfunction, the buyer then has to contact us once he has ensured that it is not due to a non-compliant installation or abnormal use in order to decide with us how the appliance should be repaired. The appliance should be cleaned and clean prior to any intervention.

Any complaints with regard to the state, the presentation or the non-compliance of our goods should be addressed to our headquarters by recommended letter with acknowledgement of receipt within a maximum of eight days following delivery.

The application of the warranty will be subject to LA CORNUE SAS receiving a certificate stating that the material has been installed by a professional in accordance with the current technical and safety standards.

Under this warranty, the seller shall replace at no cost the parts recognized as faulty by its technical department. This warranty covers all labour costs with the exception of travel expenses.

The warranty period specified above shall not be extended if faulty parts need to be replaced.

This warranty shall cease to apply:

- If the operational defect is the result of an unauthorized intervention on the appliance;

- If the faulty operation is due to normal wear and tear of the appliance or from negligence or insufficient maintenance by the buyer;

- If the faulty operation is due to force majeure.

LA CORNUE SAS shall not be held legally responsible in these three cases.

The seller's guarantee and his responsibility for products shall be limited to repairs to any defects as stipulated in the above conditions.

As expressly agreed between the contracting parties, the seller's responsibility in the event of an operational fault shall be limited to the above provisions, especially with regard to concealed defects as well as material and immaterial damage.

In all cases, the buyer may not suspend payment if he lodges a complaint about the quality of the goods.

The goods are always transported at the buyer's or his representative's own risks. It is therefore their responsibility to check them upon arrival and, if necessary, to lodge a complaint with the haulier. After having expressed specific established reservations on the delivery slip upon receipt, the buyer must confirm them by recommended letter to the haulier within two days of receipt (Article 105 of the Commercial Code).

We cannot in any event honour this warranty if these requirements are not met.

### After-Sales Department:

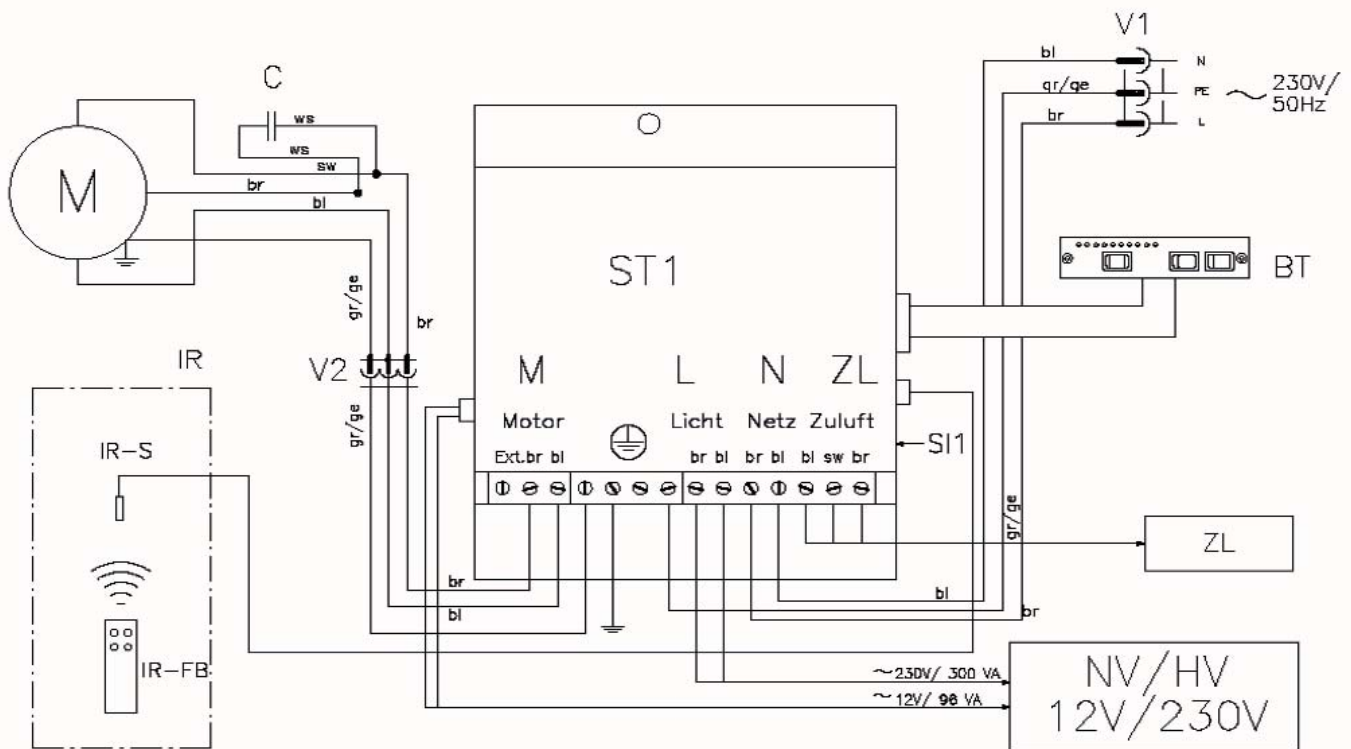
- Covered by the warranty

Tel.: +33 (0)1.34.48.36.15 Fax: +33 (0)1.34.48.52.31

- Not covered by the warranty (appliance older than three years):

Tel.: +33 (0)1.47.37.56.00 Fax: +33 (0)1.47.39.10.49

# ELECTRICAL DIAGRAM



- BT = Anodized aluminium control device  
 M = Internal GD 133-2M / External ventilated motor  
 SI1 = 3.15 fuse, 250V  
 ST1 = Anodized aluminium 500W control  
 C = Motor-running capacitor  
 IR = Remote control – optional  
 IR-S = Infrared ray sensor  
 IR-FB = Infrared ray remote-control  
 V1 = 10-16A / 250V E51 connector socket (Schuko socket)  
 V2 = 16A / 250V three-pole connector  
 L = Light  
 N = Network  
 NV/HV = Low voltage or network voltage  
 ZL = Air inlet (optional)

- br = brown  
 bl = blue  
 sw = black  
 ws = white  
 gr / ge = green / yellow





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