



Chimney fan



WHAT IS A CHIMNEY FAN ARTEGRONDA?

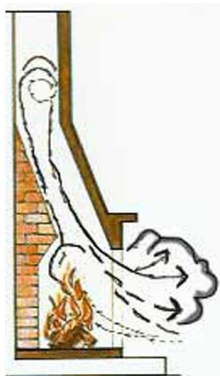
The Artegronda chimney fan embodies the artistic skills of the Artegronda company, a leader in the craft of constructing chimneys in copper and steel, plus the proverbial technical quality and reliability of GEMI electric motors.

Our hand-crafted chimneys are “made to measure” according to the customer's requirements, with the greatest care for finishing and details, using sheet in copper, stainless steel, or hot-galvanised steel which is then painted. The finished product is of attractive design, as well as being functional and resistant to weather for a long time.

The suction motor installed inside the chimney is produced in Italy by GEMI ELETTRONICA and can be considered the absolute best on the market for its quality, duration and reliability. Truly unique, it continues to function for several minutes even in the case of a chimney flue fire, it does not need any maintenance and, when switched off, it does not impede the normal outward flow of smoke. It is extremely silent and on average consumes only about € 20 per year in electricity.



WHY INSTALL AN ARTEGRONDA ELECTRIC CHIMNEY FAN?



If the chimney flue is not working properly, there can be several explanations: it is too small, too short, too cold, deviations could be hampering the flow of smoke, or it could be exposed to strong winds. Therefore interventions (often costly and invasive) may not always solve the problem completely.

To install an Artegronda electric chimney fan, instead, is the ideal solution because, whatever is causing the flue to malfunction, the smoke is forcibly conveyed to the exterior. Furthermore, the Artegronda chimney fan is provided with a control panel (to be installed close to the chimney place) with 6 different speeds for adjusting the suction power.

The Artegronda chimney fan can also be useful when there is no fire; if, for example, you want to quickly refresh the air in the room where the chimney is situated (stale air, humidity, stagnation, over-heated...) you only have to open a window and switch on the extractor for a few minutes at top speed. Or, when you remove the ashes from the fireplace, by switching on

the extractor you will prevent the ashes from scattering in the room. And also, when you light the fire, by switching on the extractor you create a “bellows effect” making the job much easier.

TECHNICAL FEATURES OF THE EXTERNAL CHIMNEY

The external chimney can be constructed in a variety of materials and finishes, using metal sheet in copper, AISI 304 stainless steel or hot-galvanised steel, pre-painted in a choice of 4 colours: dark brown, silver grey, brick red, anthracite.

The materials have a thickness of 6/10 mm. which is ideal, with the various shaped bends, for providing an excellent mechanical resistance under all conditions, while reducing the weight of the extractor (about 20-30 kg according to size). The chimney is composed of two parts: the base and the cap. The base is the lower part of the chimney which will sit (like the lid of a box) over the top of the turret. The border on its lower edge is bent outwards to prevent rainwater from trickling over the surface of the turret (drip-stopping effect).

The useful internal dimensions of the base, as well as the size of the cap, are calculated to suit the dimensions (side x side) of the turret to which it will be fixed (measurements are to be stated when the enquiry is made). The chimney is fastened on all four vertical sides of the base, using the appropriate dowel screws provided.

The cap has four concentric layers inclined 45 degrees. At the top there is an air vent for cooling the motor, protected by a small round cap.



TECHNICAL FEATURES OF THE EXTRACTOR

The electric extractor consists of a class H (for high temperatures) 220-volt (120 volt on request) motor with rotating blades and anti-intrusion protection. It can withstand temperatures of up to 250 degrees and continues to function for several minutes (up to 20) even when surrounded by bare flames in the case of a chimney fire. It is supplied complete with a control panel, to be placed closed to the fireplace, provided with an on-off switch, a quick-change fuse holder and a 6-speed selector switch for adjusting suction power. The number of rpm, amperes and watts absorbed depends on the speed selected.

The cubic metres/hour of air extracted also depend on the selected speed, passing from 280 m³ at low speed to 2500 m³ in top speed (referred to a square flue with a section of 40x40cm). The condenser is mounted on the side of the motor head enclosed in the cap. Attached are 3 electric cables, protected for 60 cm by fire-proof sheathing. The extractor is supplied complete with instructions for making the electric connections.



Artegronda chimney fan are made to measure according to the dimensions of the turret (side x side) on which they are to be placed.





RECOMMENDATIONS

Artegronda extractors are constructed to very high standards. Electric parts are covered by an Artegronda warranty for 3 years and the metal structure for 10 years. When used correctly, the electrical and mechanical parts of the extractor will function more efficiently and the chimney will last a lot longer, too.

We recommend running the extractor for a few minutes at top speed at least once every 10 days; Thanks to the centrifugal force the fan blades clean themselves of dust or soot.

The high speeds (numbers 5 and 6) have a very high suction power (up to 2500 m³ of air every hour). They should therefore be used only in cases of real necessity.

When the extractor is switched on for the first time or after a considerable period of inactivity, start immediately with top speed (number 6) then reduce to lower speeds. This extractor has been designed for removing fumes deriving from chimneys, pizza ovens, kitchen hoods, air evacuation. All other uses are to be considered improper. The constructor cannot be held liable for any damage deriving from improper, erroneous or unreasonable use.

Do not handle electric controls with wet hands or bare feet. Never allow children or incapable persons to use the chimney fan.

Artegronda sas

Strada Provinciale 45bis n. 2 - 25020 Poncarale (Brescia) - Italy
Tel. +39 030 2501547 - Fax +39 030 2500432 - segreteria@artegronda.info
www.artegronda.it

