

E10

Use and Maintenance Manual



E10 electric fan

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THANKS

We would like to thank you for the trust you have placed in us by purchasing a piece of equipment
ZINCO GROUP Srl.

Years of studies, research, tests and constant improvements have characterized the creation of our products. Their degree of technical evolution and their high performance are the best the market can offer today.

Continuous improvement of the quality of our products is the main purpose of the work of our technicians. For this reason, **ZINCO GROUP** Srl reserves the right to modify, without prior notice, the technical characteristics of its products, without the need for changes to be made on products already placed on the market.

WARNINGS

With this manual we intend to provide the essential information for the installation, use and maintenance of the electric fan.

It is important that the user reads this manual before using the electric fan. Improper use may result in the appliance becoming inefficient.

Correct use and punctual and appropriate maintenance are closely linked to its proper functioning and durability.

We therefore recommend that you read this manual carefully in its entirety and scrupulously comply with the instructions contained therein. Any procedure or warning that

The purpose of the Read, although apparently obvious, is the total knowledge of the device by the user and the complete realization of the necessary operating safety conditions. For this reason, the information contained in the manual must be communicated to all the people who will use it.



Attention

- ***In the event of "forced" use of the electric fan, in conditions not provided for by current regulations (e.g. chimney system), it is advisable to run the fan even at low speed when the smoke generator is on. In these cases, the company declines any responsibility for damage to the product, resulting from forced use of the same.***

GENERALITY

In some cases, we find ourselves solving the problem of fume or air draught from equipment without an air intake and installed in closed environments almost hermetically by increasingly sealing fixtures.

In these cases, the electric fan can solve the problem.

The electric fan with an exclusive design that we offer is a roof draught activator designed in detail for its efficiency and safety.

It adapts to different systems of flue gas / air evacuation in round or square shape and with different sizes because it has an adjustable fixing system.

It is equipped with a speed regulator, which allows you to increase or decrease the draught as needed.

It is intended only for the use for which it was expressly designed, i.e. to suck up fumes or air; any other use is to be considered improper and therefore dangerous.



Attention

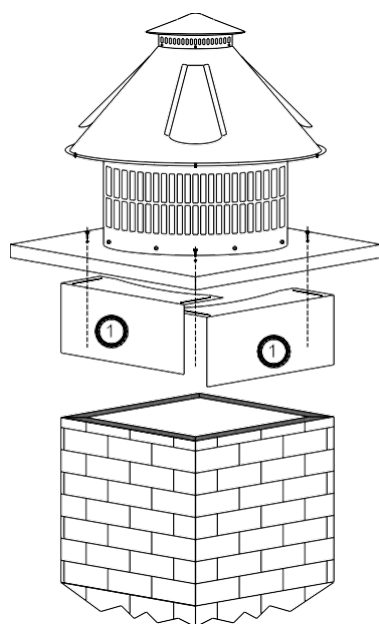
It is strictly forbidden to install this electric fan on systems not provided for by current regulations. The manufacturer cannot be held responsible for any damage resulting from improper, erroneous and unreasonable use.

ASSEMBLY INSTRUCTIONS

After removing the packaging, make sure that the appliance is intact, if in doubt do not use the appliance and contact professionally qualified personnel.

The package contains:

1. 1 Electric fan
2. 4 fixing brackets (Optional adapter on request for round systems)
3. 4 nuts with bolts
4. 1 Speed Controller
5. User Manual



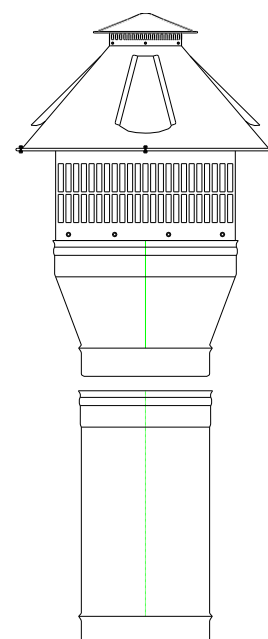
ASSEMBLY (PANEL SYSTEM)

With the electric fan upside down, attach the fixing brackets (1) to the electric fan, with the 4 screws provided, putting them to the external measurement of your evacuation duct.

Tighten the bolts, and thread the electric fan assembled to the evacuation duct and fix it.

ASSEMBLY (ROUND SYSTEM)

With the Electric Fan upside down, insert the optional adapter into the base. Insert the assembled electric fan to the evacuation duct and fix it.



CONNECTION TO THE POWER SUPPLY



Attention

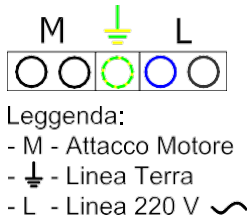
Before connecting the appliance, make sure that the data on the front of the speed controller (and on the data sheet) correspond to those of the electrical distribution network.



Attention

The use of any electrical appliance requires compliance with certain basic rules:

In particular, do not touch the appliance with wet or damp hands or feet. Do not use the appliance barefoot. Do not allow children or the incapacitated to use the appliance.



Connect the electric fan, with a suitable electric cable, to the speed regulator (M).

Connect the speed regulator with a cable suitable for the mains supply (L).

It is recommended that a high-sensitivity residual current circuit breaker (0.03A) be installed as additional protection against electric shock in the event of an earthing inefficiency.

GROUNDING

In compliance with safety regulations, the electric fan is equipped with a yellow-green earth conductor. It is the responsibility of the installer to ensure that the earthing system of the power supply network is carried out in accordance with the regulations.

SPEED CONTROLLER

The electric fan is equipped with a multi-stage speed regulator. It must be mounted in an easily accessible environment so as to be able to increase or decrease the smoke draught as needed.

MAINTENANCE

The device is professionally built. Its electrical and mechanical durability and reliability will be more efficient if it is used correctly and regular maintenance is carried out.



Attention

Before carrying out any cleaning or maintenance work, disconnect the appliance from the power supply by turning off the system switch.

After a period of inactivity, check, before switching on, that there are no encrustations that could prevent the operation of the suction blades.

Periodically check the integrity of the electrical cables placed outdoors and therefore more subject to bad weather.

TROUBLESHOOTING

Type of event	Solution	
Freshly mounted, it does not start at low speeds	It is normal if for the first few days he is unable to start at No. 1 and No. 2	It just depends because it's new, start it at high speeds and then pass it on to low speeds
The controller is hot	Don't worry, normally work at 60°C	Check for a short circuit
The warning light comes on but The electric fan does not turn	1 - Interrupted engine 2 - cable interrupted from the controller to the motor	Replace the cable or have the motor repaired
The warning light comes on but in the electric fan you can hear a buzzing sound and it does not spin	1 - Stuck engine 2 - Burnt engine starting capacitor	1) Unclog the motor from fouling in the fan and check bearings 2) Replace the capacitor
By connecting the electric fan directly from the 220 line, it runs quickly – when connected to it, the regulator does not work	1 - blown fuse 2 - detached wires 3 - interrupted transformer	Replace the fuse Check the electrical wires Check the transformer in the control unit

WARRANTY CONDITIONS

(Compliant with Legislative Decree 2/2/02 n. 24 implementing Directive 1999/44/EC)

1. The product indicated in this certificate is guaranteed for a period of 24 months from the date of installation attested by the purchase tax document. The absence of the tax document certifying the date of installation causes the warranty to be voided.
2. For the warranty to be valid, the consumer must comply with the instructions on routine maintenance and use of the electric fan.
3. ZINCO GROUP srl declines all responsibility for any direct or indirect damage resulting from failure to comply with the requirements indicated in point 2, as well as anything else indicated in this use and maintenance manual.
4. Parts subject to normal wear and tear are excluded from the warranty except for original manufacturing defects.
5. The warranty is void for improper use of the product, incorrect assembly, wear and tear, tampering by unauthorized personnel.
6. The costs incurred for warranty interventions following which no original defects of the product are found are fully borne by the consumer.

DECLARATION OF CONFORMITY TO EEC STANDARDS OF THE PRODUCT



ZINCO GROUP Srl with registered office in Z.I. C.da Cammarata – 87012 Castrovillari (CS) – Italy

States

under its own responsibility, that this E10 model electric fan bears the CE marking as it is manufactured in compliance with the following EU directives and their subsequent amendments:

- 73/23/EEC Low Voltage
- 89/336/EEC Electromagnetic compatibility
- 89/392/EEC Machinery safety
- 93/68/EEC CE Marking
- 02/96/EEC Waste electrical and electronic equipment

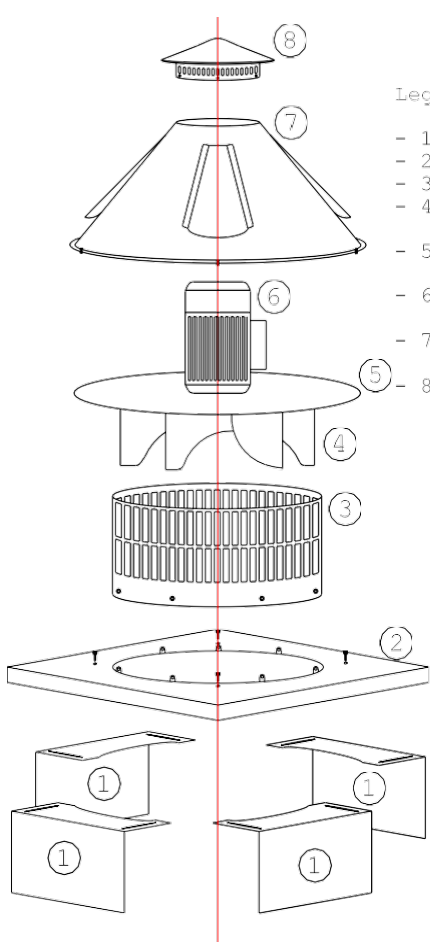
Castrovillari, 01/10/2010

The administrator

INFORMATION FOR COMPATIBLE ENVIRONMENTAL DISPOSAL

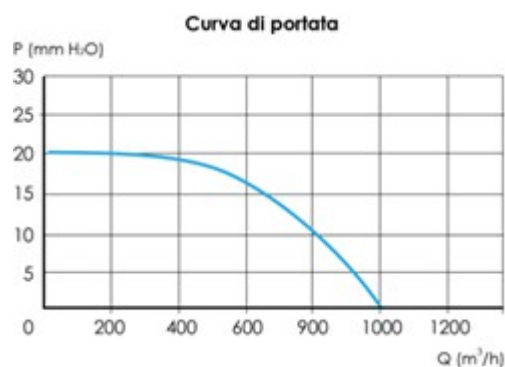
This product complies with EU Directive 2002/96/EC The crossed-out wheeled bin symbol on the appliance indicates that the product, at the end of its useful life, must be treated separately from household waste, and must be taken to a separate collection point for electrical and electronic equipment or returned to the retailer when purchasing a new equivalent appliance. The user is responsible for taking the appliance at the end of its life to the appropriate collection facilities. Adequate separate collection for the subsequent recycling, treatment and environmentally compatible disposal of the appliance helps to avoid possible negative effects on the environment and health and promotes the recycling of the materials of which the product is made. For more detailed information about the collection systems available, please contact your local waste disposal service, or the shop where you purchased it.	The 
This product confirms to EU Directive 2002/96/EC The symbol of the crossed waste paper basket on the appliance indicates that at the end of its working life the product should be disposed of separately from normal domestic household rubbish, it must be disposed of at a waste disposal centre with dedicated facilities for electric and electronic appliances or returned to the retailer when a new replacement product is purchased. The user is responsible for the disposal of the product at the end of its life at an appropriate waste disposal centre. The waste disposal centre (using special treatment and recycling processes effectively dismantles and disposes of the appliance) helps to protect the environment by recycling the material from which the product is made. For further information about waste disposal systems visit your local waste disposal centre or the retailer from which the product was purchased.	UK 
CE produit est conforme à la directive EU 2002/96/EC Le symbole "poubelle barré" reporté sur l'appareil indique que le produit, en fin de vie, devant être traité séparément des déchets domestiques, doit être rapporté dans un centre de tri des déchets pour les appareils électriques et électroniques ou alors rapporté au revendeur, le jour de l'achat d'un nouvel appareil équivalent. L'utilisateur doit s'assurer que l'appareil en fin de vie soit déposé dans un centre de collecte appropriée. Le tri sélectif, permettant le recyclage de l'appareil en fin de vie, le traitement de celui-ci et l'évacuation respectueux de l'environnement, contribue à éviter les éventuels effets négatifs sur l'environnement, sur la santé et favorise le recyclage des matières qui composent le produit. Pour en savoir plus sur les centres de collectes des déchets existants, adressez vous au service locale de collecte des déchets, ou auprès du magasin dans lequel vous avez effectué l'achat de votre appareil.	F 
Dieses Produkt entspricht der EU Richtlinie 2002/96/EG Das Symbol der durchgestrichenen Mülltonne welches am Produkt angebracht ist, bedeutet, daß das Produkt am Ende seines Lebenszyklus separat behandelt werden muss. Es muss in eigens dafür vorgesehenen Sammelstellen, zurückgebracht werden, oder es kann, im Falles des Erwerbs eines entsprechenden neuen Gerätes, beim Händler zurückgegeben werden. Der Endkunde ist dafür verantwortlich dass das Produkt zu einer entsprechenden Sammelstelle zurückgegeben wird. Die gezielte Sammlung der Produkte trägt dazu bei, die nicht mehr benutzten Produkte der Wiederverwertung zu zuführen und eine umweltfreundliche Entsorgung zu gewährleisten. Dies hilft negative Einflüsse auf Ihre Gesundheit und die Umwelt zu verringern und es ermöglicht eine Wiederverwertung der Rohstoffe. Für detaillierte Informationen über das Elektro-Altgeräte Sammlung System, wenden Sie sich bitte an Ihren kommunalen Entsorgungsbetrieb oder an Ihren Händler.	D 
Dit product is conform aan de richtlijn EU 2002/96/EC Het symbool "vuilbak doorstreept" op het toestel, geeft weer dat het toestel op het einde van zijn levensduur afzonderlijk van de huishoudelijke afval verwerkt moet worden. Het dient gebracht te worden naar een centrum van afvalverwerking van elektrische en elektronische apparaten of teruggebracht naar de verdeler indien een nieuw gelijkaardig toestel wordt aangeschaft. De gebruiker dient ervoor te zorgen dat het toestel na de levensduur gedeponneerd wordt in een geschikt verzamelcentrum. Het selectief sorteren, wat toelaat het toestel of delen ervan te recycleren, de verwerking van dit sorteren en het verwijderen van de afval dragen op een positieve manier bij aan de omgeving en de gezondheid. Bovendien laat het toe om onderdelen te hergebruiken in de ontwikkeling van nieuwe producten. Om meer te weten betreffende de bestaande verzamelpunten van afval dient u zich te richten tot de lokale dienst van afvalverzameling of in de winkel waar u uw toestel heeft aangekocht.	BE 
This product complies with EU Directive 2002/96/EC El símbolo de papelera tachada reproducido en el aparato indica que el producto, al final de su vida útil, debiendo ser tratado separadamente de los residuos domésticos, debe ser tirado en un centro de recolección diferenciada para aparatos eléctricos y electrónicos o más bien devuelto al revendedor al momento de la compra de un nuevo aparato equivalente. El usuario es responsable de la entrega del aparato a fin de su vida útil a las estructuras de recolección establecidas. La correcta recogida diferenciada para el posterior envío del aparato en desuso al reciclaje, al tratamiento y a la recolección ambientalmente compatible contribuye a evitar posibles efectos negativos en el ambiente y en la salud y favorece el reciclaje de los materiales de los que está compuesto el producto. Para informaciones más detalladas acerca de sistemas de recogidas disponibles, dirigirse al servicio local de recolección de residuos, o a la tienda en la cual se hizo la compra.	ES 

TECHNICAL DATA

 Leggenda: - 1 Flange di Regolazione - 2 Supporto Griglia - 3 Griglia di Espulsione - 4 Ventola Centrifuga a cinque pale - 5 Supporto ventola - Motore - 6 Motore monofase asincrono - 7 Supporto di areazione e protezione motore - 8 Cappello di ispezione ed areazione motore	Parameter	Value
	Description	Electric fan for roof-mounted applications, which can be installed on square and round evacuation ducts, with high performance even in adverse weather conditions. Also, particularly suitable for the extraction of hot fumes at high temperatures, even in continuous service. Structure in pre-painted galvanized sheet metal, complete with anti-bird mesh, self-cleaning impeller with backward blades compliant with industry regulations. Single-phase asynchronous self-ventilating motor with bearings. Pre-wired with cables inserted in a high-temperature resistant sheath, equipped with an external service terminal block complete with service switch and speed selector.
	Norm	CEI EN 60335-80
	Reach	1000 m ³ /h
	Pressure	200 (Pa)
	Rotation	Multi speed
	Dimension Packaging	mm 520x520x520
	Weight	Kg 20,00
	Pallets	Size: 1.050x1.050x2.200 Pieces Contained - 16

Engine Data

Tension	230 V – 50 Hz
Power	0.18 KW
Frequency	50 Hz
Insulation class of stator winding	F
Protection Rating	IP55
Sound Pressure	40 d(A)





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