

INSTRUCTIONS MANUAL FOR VENTILMOTOR CENTRIFUGAL FANS "EP-BT"

Instructions for assembly, functioning and maintenance.

A correct installation, as well as a regular maintenance, are necessary to obtain the max. performance and the good functioning of the centrifugal fans Ventilmotor. The instructions indicated here below help to avoid damages, unexpected stops and additional costs.

This instructions manual is integral and essential part of the product.

GENERAL PRESCRIPTIONS

This centrifugal fan is intended only for the use for which it has been expressly designed and must be used within the limits indicated by Ventilmotor and specified on the metal plate.

Any other use is to be considered improper and therefore dangerous.

Ventilmotor refuses any contractual or extra contractual responsibility for damages caused by uncorrect assembly or use and by the non-observance of the instructions given by Ventilmotor.

The user must provide for the security during functioning, applying the necessary protections for accident preventions and set the noise level, with appropriate equipments, according to the vigent rules.

All the centrifugal fans are inspected and tested before the shipment and the impellers are balanced.

At the reception of the shipment, check if the material has been damaged during the transport and in case of damages accept it with reserve towards the carrier and send copy of this communication to Ventilmotor. On the contrary Ventilmotor will not be responsible for any damages accrued during the transport.

Do not use or repair the damaged equipments.

Verify the characteristics of the fan and the electrical performance of the motor, notifying immediately eventual defects or anomalies.

Inform Ventilmotor in case of environments where explosive or inflammable substances are present. These fans are foreseen with safety grate for intaking throat, suitable to avoid the contact with parts in motion. It's necessary to prevent the access also from the pressing flanges.

Never approach the rotating parts, either disassembly the security protections, without being sure that the impeller is stopped and that the fan is not electrically feeded.

INSTALLATION

The installation must be made in conformity with the vigent rules, following the Ventilmotor instructions and by qualified personnel (according to C.E.I. EN 60204-1). A wrong installation can cause damages to persons, animals and things, for which Ventilmotor is not responsible.

Be sure that any deformation is present on the impeller and that this is well fixed on the rotor, verify the good rotation on its axe and that any extraneous part obstructs the functioning.



ISO 9001
Certificate N° 10-Q-10177-TIC

Ventilmotor S.r.l. a socio unico

Uffici e stabilimento: Via Piaggio, 74 - 20037 Paderno Dugnano (Mi) - **Sede Legale:** Via G. Pogliani, 34 - Paderno Dugnano (Mi)
Tel. +39 02.9101051 / +39 02.99041382 - Fax: +39 02.9103661 - info@ventilmotor.com - www.ventilmotor.com

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ASSEMBLY

Fix steadily the fan through the 4 holes foreseen on the pressing flanges.

ATTENTION : be careful that the data of the electrical voltages indicated on the motor, correspond to those of the line. The electrical connection must be made in accordance with the specification indicated on the electrical motor. The ground connection must be made in conformity with the vigent rules.

START

Be sure that the accident prevention measures have been taken. The electrical security of the fan is guaranteed only when the fan is correctly connected to a suitable ground equipment, made in conformity with the givent rules.

Connect the main feeding circuit in accordance with the motor specifications and following the connecting diagrams for the start, keeping into account the voltage/frequence of the line, feeding cable distance, protection, etc.

The feeding cables must be consequently dimensioned.

Ventilmotor is not responsible in case of wrong installation. The electric motors must be connected to the feeding circuit by a security disconnecting switch lockable with a padlock.

Be sure that the magneto-thermic elements are correctly tuned.

Make a little start to verify the rotating direction of the impeller and if necessary invert the phase.

After the start, check the voltage and current values, verifying them with the max. values indicated on the metal plate.

Verify the absence of uncorrect functioning, like vibrations or eccessive noise, on the contrary stop immediately the equipment.

The start must be made by a qualified personnel (C.E.I. EN 60204-1)

MAINTENANCE

The maintenance must be made by qualified personnel (C.E.I. EN 60204-1)

Before making any maintenance or cleaning operation, disconnect the equipment from the feeding line, in order to operate in the max security for the personnel.

For extraordinary maintenance, is suggested to remove the whole fan from its normal position and operate with suitable tools for disassembly and assembly.

For the maintenance, repair, or replacement of the elctric motor installed on the axial fans Ventilmotor, see the instructions and maintenance manual of the manufacturer.



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