

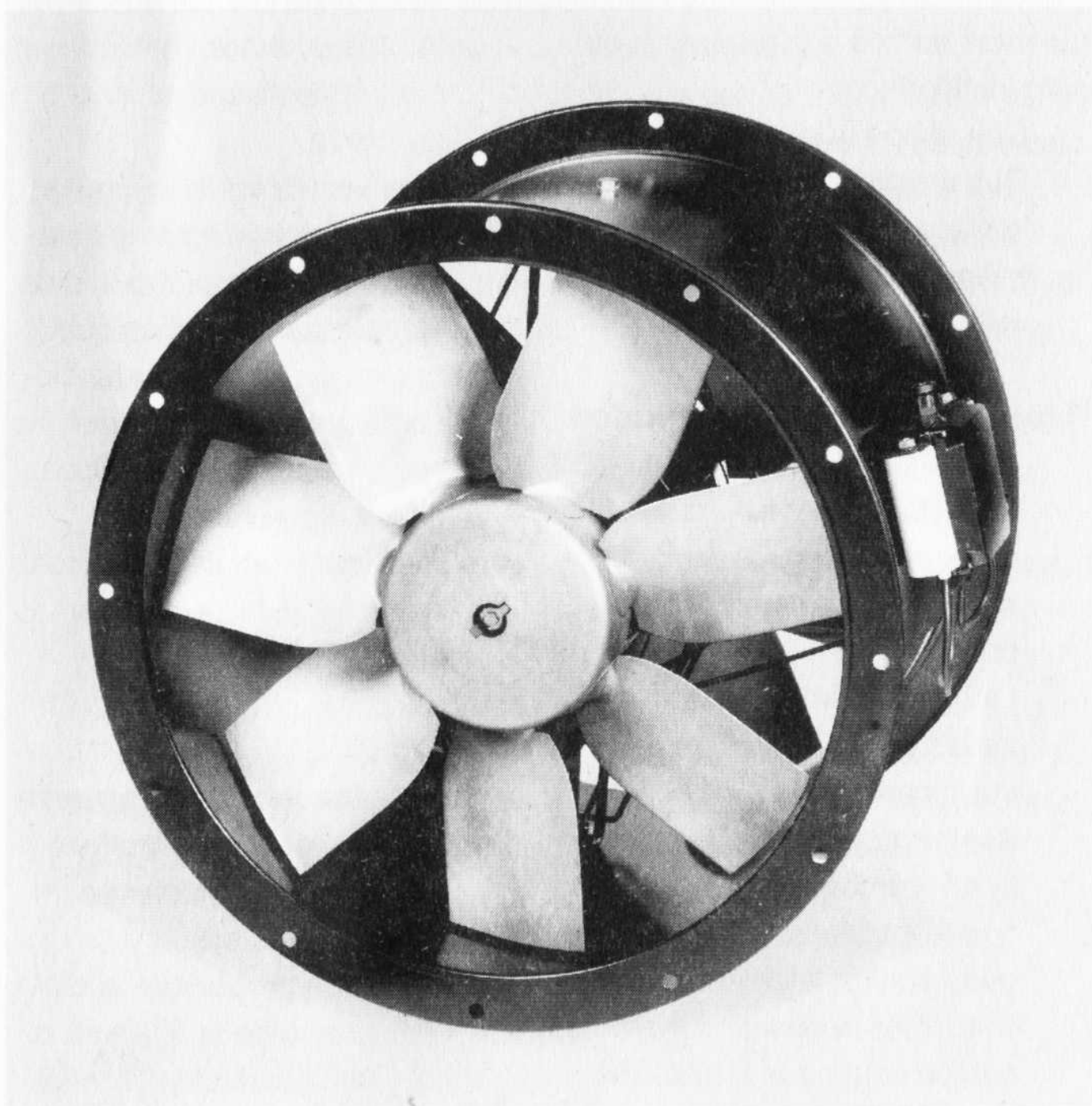


# TCBTx2 / TCBBx2

Ventiladores helicoidales

Axial flow fans

Ventilateurs hélicoïdes



## ENGLISH

### Installation and wiring instructions for TCBTx2 and TCBBx2 series.

The TCBTx2 and TCBBx2 series of axial flow fans has been manufactured to rigorous standards of production laid down by the International Quality Standards ISO 9001. All the components have been checked and tested at the end of the manufacturing process.

We recommend that you check the following when receiving this product:

- That is the correct size and model.
- That the details on the rating label are those you require; voltage, frequency, performance...

### IMPORTANT SAFETY INFORMATION

- The installation should always be carried out in accordance with all current applicable Standards to the country in which it is installed.
- The installation should always be carried out by a suitably qualified and competent person(s).

- Ensure that the installation is provided with the necessary safety guards by providing applicable protection to moving parts.
- Do not use the fan with ambient temperature higher than 70°C or less than -40°C.
- Do not install the fan with ambient relative humidity above 95%
- If the fan operates in a room with a boiler or any other type of appliance requiring air for combustion, check that air replacement inlets are sufficiently sized.
- Do not use this product in, or to extract from, potentially hazardous or explosive atmospheres.
- Avoid excessive accumulation of dust and dirt on the motors or the impellers to ensure trouble free operation

### INSTALLATION

- The fans have been designed to work in any angle.
- Make sure that the diameter of the aperture in the wall or the duct diameter is not less than the fan diameter
- Fit the fan using all the holes of the coupling flange.

- Do not install the fan closed to sudden ductwork bends and transformations
- Before installing the unit ensure the impellers are running freely and there are no obstructions to the airflow.
- The fan should always be installed so that safe operation and maintenance can be ensured.

### ELECTRICAL CONNECTION.

- Before Installation and Wiring **ENSURE THE MAINS ELECTRICAL SUPPLY IS DISCONNECTED!!**
- Ensure that the voltage and frequency of the electrical supply match the information stated on the Data Plate of the unit (maximum recommended tolerance of Voltage (V) and Frequency (Hz)  $\pm 5\%$ ).
- Connect the electrical supply in accordance with the electrical wiring diagrams included within this booklet.
- Ensure that all earth connections have been made correctly
- All fans are fitted with thermal protection (TP). Ensure that it is correctly wired. Failure to do so may cause damage to the motor and invalidate the guarantee.

- Before operation, check all connections are correct and there are no obstructions to the airflow.
- On connecting the electrical supply ensure the direction of rotation and airflow correspond with the direction of airflow / rotation arrows (sited on unit).

### MAINTENANCE.

- Before inspection or repair, ensure that the unit is disconnected from the mains electrical supply.
- Avoid excessive accumulation of dust and dirt on the motor. The fan impeller should be cleaned at least once (1) a year to ensure trouble free operation.
- Do not clean the unit with strong detergents or cleaning fluids. Use a damp (not wet) cloth only for cleaning.

(Soler & Palau, S.A. reserve the right to alter specifications without prior notice)