
TTT



VENTILADOR AXIAL TUBULAR A TRANSMISIÓN
VENTILATEUR HÉLICOÏDE À TRANSMISSION
BELT DRIVE CASED AXIAL FAN

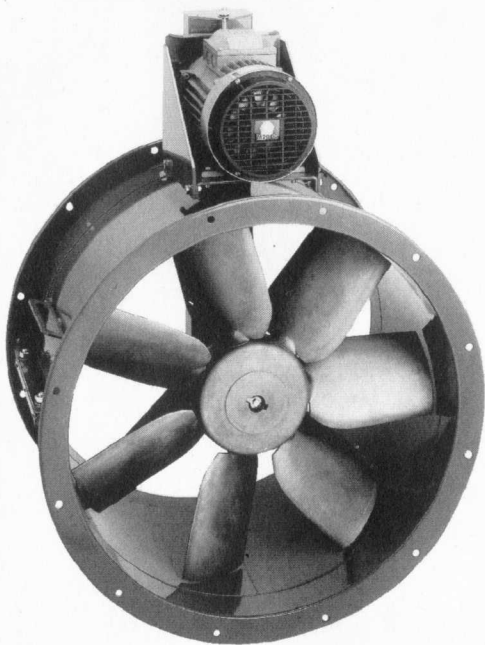


Fig. A

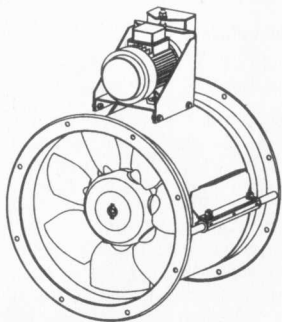


Fig. B

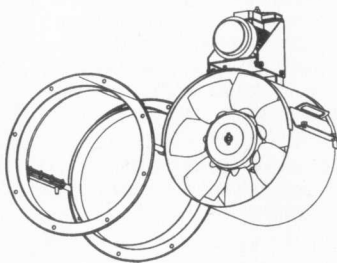
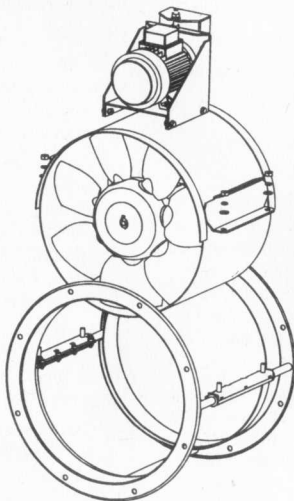


Fig. C



English

TTT Series.

Belt Drive Cased Axial Fans.

The TTT range of Belt Drive Cased Axial fans have been manufactured to the rigorous standards of

production and quality control in accordance with the International Quality Standards ISO 9001. All components have been checked and tested at the end of the manufacturing process.

All appliances are supplied in perfect condition and operation. However if found to be defective the unit should be returned to the supplier in accordance with the terms of the S&P guarantee. We recommend that you check the following when receiving this product:

- That it is the correct size.
- That it is the correct model type.
- That the details on the rating label are those required: voltage, frequency...

Important Safety Recommendations.

- All TTT fans should be installed in accordance with all applicable National and Local standards and regulations pertaining to the country of installation.
- All installation work must be carried out by a suitably qualified person(s).
- Before finalising the installation ensure that there is no open access to any moving parts and check that the system complies

with all standards concerning the safety of rotating electrical machines.

- The TTT series of fans are designed for the extract of non-hazardous ducted airstreams from -40°C up to $+150^{\circ}\text{C}$. The motor, mounted externally to the airstream, is suitable for operation in temperatures up to a maximum of $+40^{\circ}\text{C}$.
- Before any installation or maintenance, ensure that the equipment is disconnected from the mains electrical supply. After installation or maintenance, ensure that the impeller access door is secured.

Installation.

- Before installing the unit ensure that the impeller turns freely and there are no obstructions to the airflow.
- The TTT range of Belt Drive Cased Axial fans are designed to be installed in-line within a ducted ventilation system.

Impeller.

All TTT aluminium axial fan impellers have been dynamically balanced to eliminate vibration. To optimise the TTT fan performance all models are supplied with pre-ordered, factory modified impeller pitch angles.

IMPORTANT: Do Not alter the pitch angle of the TTT impeller. If required to be altered, the impeller must be sent back to an authorised S&P dealer/distributor for adjustment.

Electrical Connection.

- Before carrying out any

installation or wiring of the TTT fans, ensure that the mains electrical supply is disconnected.

- Before making any electrical connections ensure that the Voltage and Frequency of the mains electrical supply matches that of the fan data plate label (maximum permissible deviation of voltage and frequency $\pm 5\%$).
- All TTT fans should be wired to the electrical supply in accordance with the electrical wiring diagram enclosed in the motor wiring junction box.
- Check that the motor earth connection is correctly wired to a suitable grounding point.
- On connection of the electrical supply ensure that the impeller rotates in the direction as indicated by the arrow on the fan casing.
- Before installation ensure that the electrical cable selected is rated (in accordance with all appreciable standards) to withstand the maximum absorbed current of the fan.

Maintenance.

- Before conducting any maintenance or cleaning of the fan ensure that the unit is disconnected from the mains electrical supply.
- We would recommend that the equipment is cleaned periodically to ensure trouble free operation. Ensure that there are no build-ups of dirt or debris on the motor and impeller which could impede

cooling or make the impeller rotate out-of-balance.

- Do Not Use - high pressure water or steam cleaning apparatus to clean the unit.
- The belt drive transmission comprising of the belt and pulleys must be connected under the correct tension.
- All TTT models include a "V-Type" transmission belt which can be changed without removing the complete fan assembly from the ducting (see following page).
- All TTT models include two pulleys located on the motor shaft end and the impeller shaft end. Before re-fitting a new "V-Type" belt, ensure that the two pulleys are aligned to eliminate vibration and excessive belt wear.
- Ensure the correct belt tension between the two pulleys is maintained. The belt tension should be sufficient so not to cause excessive "belt slip," yet it should not be excessive so as to cause excessive friction and vibration.

Accessing the TTT fan casing for maintenance and cleaning:

All TTT models incorporate the facility to access or remove the motor-impeller assembly without removing the fan casing from the ducting system.

Switch-Out, Side Access Door.

The motor-impeller assembly can be accessed from either the Right or

Left hand side by removing the corresponding side connection bolts. The complete motor-impeller assembly can then be accessed by opening the casing whilst hinged on the adjoining side. (Fig.B).

Important: HEAVY ASSEMBLY: Ensure that adequate support is provided when disengaging from the fan casing.

Removal, Side Access Door.

If required the motor-impeller assembly can be completely removed from the fan casing. By removing both sides of corresponding fixing bolts the motor-impeller assembly can be lifted up and out of the fan casing. (Fig.C).

Important: HEAVY ASSEMBLY: Ensure that adequate support is provided when removing from the fan casing.

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

POSICIONES CORRECTAS DE MONTAJE
POSITIONS CORRECTES DE MONTAGE
CORRECT MOUNTING POSITIONS

