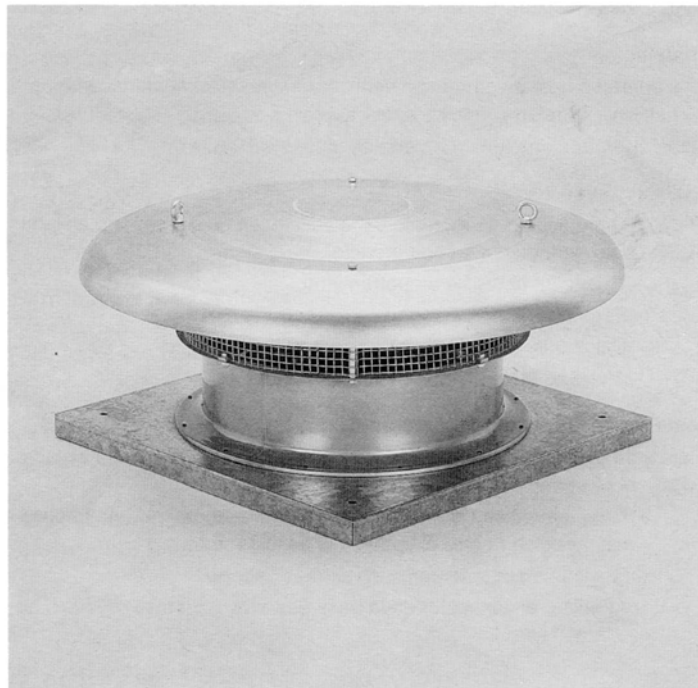


**Serie HCTT / HCTB**



### **English**

The fans in this series have been manufactured to the rigorous standards of production and quality control as laid down by the international quality standard ISO 9001.

We recommend you check the following points on receiving your fan:

1. That it is the correct size.
2. That the execution is correct (wall, tubular, etc.).
3. That the details on the rating plate are those you require: voltage, frequency, speed, etc.

Install according to current regulations in each country.

### **Installation**

The roof fans in this range are specially designed to be mounted on pitched or flat roofs.

Ambient temperature must not exceed 70 °C.

#### **Installation on plinth**

The JMB support frame for each model must be used for this kind of mounting.

- Bend the mounting legs.
- Bed the support frame.
- Place the rubber joint in the support frame.
- Screw the roof fan to the support frame.

#### **Installation on a flat roof**

The JBS insulated support base for each model should be used for this kind of mounting.

- Fix the support base to the roof making sure that a firm seal is made between the roof and the support.
- Place the rubber joint in the support base.
- Screw the roof fan to the support base.

### **Electrical connection**

Check that the voltage and frequency of the mains are the same as those indicated on the rating plate on the fan (max. variation of voltage and frequency  $\pm 5\%$ ).

- Single Phase ..... 230 V 50 Hz
- Three-phase ..... 400 V ( $\Delta$ ) 50 Hz  
230/400 V 50 Hz

Once working, the current absorbed by the motor must not exceed that indicated on the rating plate.

This series incorporates thermal protection in the motor winding.

The thermal protector when connected following diagram accompanying each unit stops the motor when there is a problem, thus avoiding overloads and excessive temperatures, extending motor life and increasing user safety.

Check that correct connection has been made to earth.

Before handling the fan, make sure that it is disconnected, even if it is already switched off.

After making electrical connection check that the fan is rotating in the correct direction.

The attached diagrams must be observed when wiring the unit.

The motors in this series have IP 65 protection against solid particles and water. Their electrical insulation is class F.

#### **Speed control**

Single-phase models, except 560 and 630 in 4 poles, can be controlled by an RMB auto-transformer type controller or by an REB electronic controller.

Three-phase models can be controlled by an RMT auto-transformer type controller.

The 400 V delta motor provides two speeds depending on how it is connected to the mains:

- $\Delta$  Delta connection ..... fast
- Y Star connection ..... slow

#### **Working conditions and maintenance**

The motors of the roof fans in this series are equipped with ball bearings and do not need greasing or special maintenance. On the other hand, it is advisable to regularly check that the fan is clean to avoid any possible out of balance.

### **Accessories**

There is a range of accessories to facilitate and complement the installation of the roof fans in these series.