



Plate mounted explosion-proof axial fans type PLATE-M ATEX

Plate mounted axial fans with IEC motor

The range consists of 9 sizes with impeller diameter from 250 up to 700 mm

Application

- **PLATE-M ATEX** fans are designed for installations requiring large capacities with low pressures, in applications for wall or panel fixing f.e. ventilation of commercial and industrial buildings, car parks, stock farms, cooling of electric and refrigerating equipments, etc.

Construction

- Supporting frame with wide shaped inlet in corrosion proof material or protected against the atmospheric agents
- Motor support and safety grid, in steel rod manufactured in accordance with UNI EN 294
- Execution 5 (impeller directly coupled to motor shaft)
- Conveyed air: clean, not abrasive
- Temperature of conveyed air: -20°C / +50°C
- Air flow from motor to impeller

Fan/Impeller

- Impeller with high efficiency airfoil blades in plastic material and hub in die cast aluminum alloy. Variable pitch angle install position. Balancing according to UNI ISO 1940

Motor

- Asynchronous electric motor three or single phase, protection IP 55, class F insulated, output EFF2, service S1, form B5, construction according to IEC/ EEC ATEX APPROVED FOR EXPLOSIVE ATMOSPHERE G GROUP II.
- Voltage: Three-phase version (T) 400V-3Ph
Single-phase version (M) 230V-1Ph
- Frequency: 50Hz

Features and benefits

■ **PLATE-M ATEX** line is characterized by particular materials and design to avoid as much as possible the risk of explosion, according to the ATEX 94/9/EC Directive. Different constructions are foreseen for the fans working in category 2G or 3G.

