

CASING made of self bearing galvanized sheet metal panels suitably shaped to be fastened by means of galvanized screws, bolts and nuts with a sealing gasket placed in between. It comes with a perfectly tight access door for internal inspection.

AXIAL SUCTION FANS comprising a carbon steel sheet metal container drum and an impeller with adjustable blades (while not in operation) and aerodynamic profile coupled onto the shaft of a three-phase, asynchronous electric motor with forced suction, EN 60034-1 (IEC 34-1) series, class F insulation, mechanical protection IP 55 on the whole motor. Each electric motor is supported by a robust crosspiece made of carbon steel sections and dip-galvanised after processing.

PROTECTION GRILLS for fan discharges made of a robust net and a carbon steel chassis, dip-galvanised after processing.

ON-BOARD WIRING for the connection, through a watertight sleeve, of each motor with the relevant waterproof terminal board, conveniently fitted outside the fan and away from humid air flow.

DRIFT ELIMINATOR in PVC or Polypropylene. Thanks to their design, they can cause abrupt changes to the air flow direction and promote the release of suspended droplets.

WATER DISTRIBUTION SYSTEM without spray nozzles, made up of a carbon steel main header - dip-galvanised after processing -, PVC secondary headers and AISI 304 stainless non-clogging steel distributors, which ensure uniform water distribution throughout the fill surface without maintenance and reduced water leakage.

WET DECK SURFACE highly efficient, made up of several overlapping sections. Each section consists of PVC or Polypropylene sheets, corrugated and assembled in alternate course in order to ensure optimal fluid contact. The fill surface is designed to operate with clean water with temperatures not exceeding 55°C.

WATER COLLECTING BASIN, like the casing, it is made of galvanised carbon steel sheet self-bearing panels, reinforced with special ribs and fastened with bolts and seals placed in between.

Once the basin has been assembled, junctions between panels are internally treated with liquid sealant once again, to ensure perfect water tightness. The basin includes air inlet sections which are fitted with galvanised carbon steel sheet shaped louvers, which are windproof as well.

The basin is equipped with:

- water outlet connection to be welded, fitted with an anti-vortexing design strainer
- make-up water connection, threaded and fitted with float valve
- overflow connection to be welded
- bottom drainage to be welded

OUTER AND INNER PROTECTION of the casing and all galvanised sheet metal details obtained with polyester powder stove paint, prior to assembly. Powder painting best protects sheet metal parts where galvanised protection has been damaged due to machining (shearing and punching).

SOME ACCESSORIES AVAILABLE ON REQUEST

- FILM-type fill surface wet deck surface for high temperatures (up to 80°C)
- FILM-type fill surface wet deck surface with broader cross-section passages
- Splash fill surface suitable for dirty water and air and for high temperatures
- Two-speed motors
- Explosion-proof motors and fans
- Anti condensation heaters for electric motors
- Antifreeze electric heaters in the water collecting basin
- Stainless steel manufacturing

