





GENERAL DESCRIPTION

The fan of the TWD series are particularly designed for installation where it is mandatory to guarantee an uninterrupted air exhaust even in the case of failure.

The units are provided with duty and stand-by fan which automatically starts in case of breakdown.

Duty and stand-by fans can be manually exchanged with a dedicated control logic that is available in different versions (Auto Changeover panel).

TW-D: Suitable for indoor and outdoor application.

CONSTRUCTION

- · Profile-less cabinet is manufactured in PPGL sheet with removable access panel to allow easy access to fan and motor.
- . The blower is fitted using suitable support feet and is completely isolated from the casing by anti-vibration mounts and gaskets.
- Acoustic lining in self-extinguishing techno-polymer.
 DIDW forward curved with direct drive built-in asynchronous motor, single-phase or three-phase, particularly suitable for speed regulation (using the suitable speed regulators shown in this catalogue).
- Flanged inlet and outlet for easy ease of duct work

BEYOND THE STANDARD PRODUCT

- Version with double skin panels (20 mm thick).
- Different discharge orientation.
- TW-D construction available in AL extruded profile on request with PPGI/AL sheet.
- · Blowers with EC motors (Performance are not certified by AMCA).



Maico Gulf LLC certifies that DYNAIR Model "TWD 3/4 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

SOUND AIR

Maico Gulf LLC certifies that DYNAIR Model "TWD 3/8 to 12/12" shown here in are license to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the **AMCA Certified Ratings Program**.





GENERAL DESCRIPTION

The fan of the TW-D/T series are particularly designed for installation where it is mandatory to guarantee an uninterrupted air exhaust even in case of failure.

The units are provided with duty and stand-by fan which automatically starts in case of breakdown.

Duty and stand-by fans can be manually exchanged with a dedicated control logic, available in different versions (Auto Changeover Panel).

Airflow range - 3,400 to 50,000 CMH.

CONSTRUCTION

CABINET

- The twin units TW D/T, use a common outlet with a system of gravity shutters that prevents the air recycling through "stand-by" fan.
 Each fan is supplied with a flow sensor switch, in a case of failure of the duty fan gives
- information to the changeover panel and it will automatically alternate the working cycle of the fans.
- TW-D/T frame is with profile and panels in PPGL sheet. Lined with techno-polymer class I.
- Inlet and outlet co-axial suitable for being ducted either in exhaust or supply.
 Double inlet belt drive fan with asynchronous three-phase, class F motor.

MOTOR

· Asynchronous three-phase motors according to international standards IEC 60034, IEC 60072, IP 55, class F, (continuous working at constant load), suitable to S1 service.

BEYOND THE STANDARD PRODUCT

· Version with double skin panels of 20/50 mm thickness (only possible with extruded

- Al Profile construction). · Different discharge orientation.
- Customized cabinet size.
- Weather protection guard (canopy).
- Safety protection guard.

FAN CONTROLLER MODEL

AC-02/04 * DYNAIR



DESCRIPTION

Twin fan controller model AC-02/04 is designed using microcontroller technology and it is capable operating two fans as per the programmed time sequence. This controller has an in-built diagnostic and controlling function.

ADVANCED FEATURES

- User-friendly programming steps.
- Controller can be configured to either Auto or Manual mode.
- Auto mode is further divided into air sense mode, current sense mode or air-current sense mode.
- · Manual mode is also divided into air sense, current sense mode or air-current sense mode.
- Programmable cycle timer from 1 to 12 hours.
 Seven segment display and LED indicators for better programming and fault monitoring features to enhance the user experience. • Building Management system (BMS) status indication through volt free relay contacts.
- Designed to operate directly on 220V/50Hz/60Hz at 2 amps or 12 amps, single phase motor.
- Option with 220V control voltage to connect three-Phase motor through appropriate Programmable over current protection features.
- In-built fusible link as standard features.
- Actual size: 175 X 175 X 75 mm.
- Weight: 820 gm.