



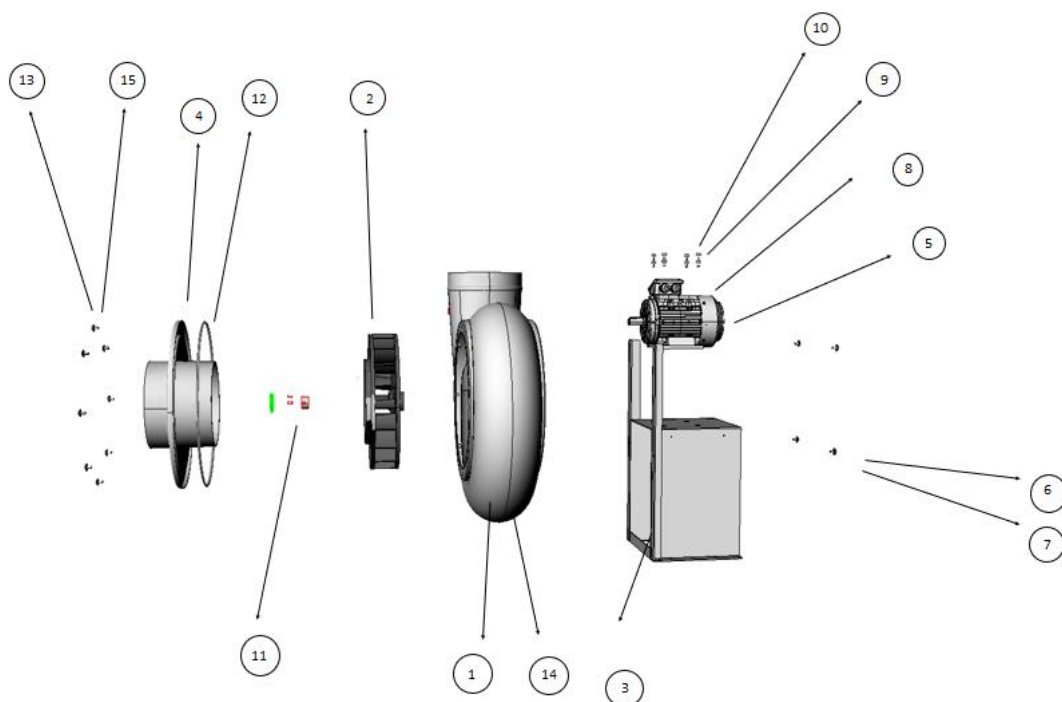
MANUAL

MAINTENANCE / INSTALLATION

M-315 1000-1500 rpm

Three Phase – Single Phase

FAN MOUNTING PARTS



| Código | Descripción | Código | Descripción | Tornillería y accesorios | Uds | |
|--------|---------------|--------------|----------------------------|---|---|---|
| 1 | Casing PP Fan | 6 | Bancada - Carcasa | Hexagon Screw D-933 8x20 A2 | 4 | |
| | | 7 | | Washer D.SUP D-9021 M8 A2 | 4 | |
| | | 8 | Motor - Bancada | Hexagon Screw D-933 M10x35 A2 | 4 | |
| | | 9 | | Washer D-125 M10 | 4 | |
| 2 | Impeller PP | 10 | Satélite - Carcasa | Nut D-6923 M10 grafilada A2 | 4 | |
| | | 11 | | Turbina - Motor | Casquillo cónico M-315 (1210 D28) + Tapón | 1 |
| | | 12 | | Hexagon Screw D-933 8x20 A2 | 12 | |
| | | 13 | | Hose PVC 8x10x920 | 1,6 m | |
| 3 | Bench | 14 | Tapón Purga 1/8" Poly Prat | 1 | | |
| 4 | PP satellite | 15 | Washer D-125 M8 | 12 | | |
| 5 | Motor Type | Three Phase | | Frame Size 100 1.5/2.2 kW 1000/1500 rpm B3-B35-B34 | | |
| | | Single Phase | | Frame Size 100 1,5/2,2 kW 1000/1500 rpm B3-B35-B34 | | |

CENTRIFUGAL FANS

APLICACIONES

The M series fans are suitable for the extraction of air with corrosive components, specially designed for:

- Chemical industry.
- Petrochemical industry.
- Laboratories.

COMPOSITION

These fans are made up of the following elements:

- Casing , impeller and suction flange made of polypropylene.
- M models are supplied with a painted sheet metal saddle for the motor support.
- Three-phase asynchronous electric motor at 230/400 V, 50/60 Hz. IP-55.

Options:

- Explosion-proof motor.
- PVC casing and impeller (valid for chrome fumes).

We recommend checking the following points when receiving the fans:

1. That the size is correct.
2. That the execution is adequate.
3. That the details on the nameplate are the ones you need, voltage, speed, frequency, etc.

SAFETY CONDITIONS

If the fan is installed in such a way that its dangerous area is accessible to users, in order to comply with the Safety Directives and before starting the fan, a meter of duct must be placed at the air inlet and outlet.

Respect the safety regulations regarding electrical wiring.

Do not put into operation without being firmly fixed.

The emission into the atmosphere of harmful particles or gases must be kept within the limits set in the current regulations.

Do not handle the fan without making sure that it is disconnected from the power supply even if it is already stopped.

ELECTRICAL CONNECTION

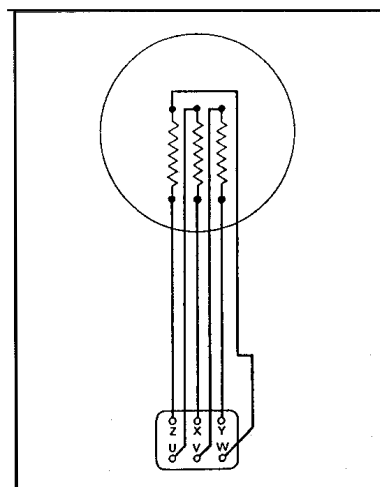
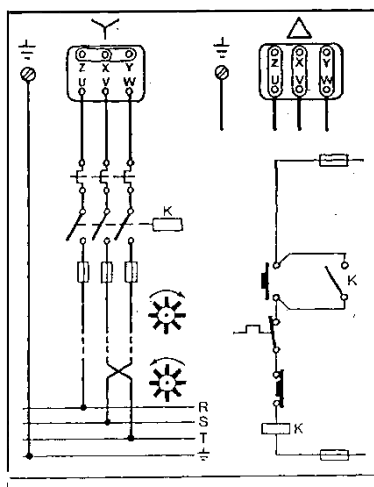
Make sure that the voltage and frequency values of the supply network are the same as those indicated on the fan nameplate. (Maximum variation of voltage and frequency + 5%).

For the connection to the network, the diagrams that accompany each fan must be followed.

The thermal protector, properly connected, works by stopping it from any operating anomaly, avoiding overloads, thus ensuring a long life for the motor and increasing safety for the user.

The network connection cable must be of the appropriate type.

Check that the ground connection has been made correctly. Once put into operation, the absorbed intensity must not exceed that indicated on the nameplate.



COMMISSIONING

Once the connection operations have been carried out, start the fan by checking that:

- 1º The direction of rotation is correct.
- 2º To reverse the direction of rotation, in three-phase motors, it is sufficient to change the connection of two cables at the connection of the terminal strip.
- 3º Observe that in the operation there are no vibrations that could compromise the stability of the equipment or cause deterioration.

If a fault is detected, immediately stop the fan and correct it.

ORIENTATION OF THE AIR OUTLET

For fans with a bench for the motor mounting, the orientation of the air outlet can be changed.

To do this, it is necessary to disassemble the air inlet flange, remove the turbine, unscrew the casing and then rotate it to the desired position.

To finish proceed in reverse direction.

MAINTENANCE

During the period of operation of the fan, it is recommended to carry out the following maintenance tasks:

Before any action, you must disconnect the fan .

- Periodically inspect the cleaning conditions of the electric motor, of the impeller and in general of all parts of the fan. The frequency of cleaning will depend on the working conditions and may be determined through periodic inspections.
- Periodically clean the turbine. Possible incrustations or deposits on the blades can cause, in addition to reducing the aerodynamic efficiency of the apparatus, an imbalance of this, with the consequent damage to the bearings.
- Eliminate deposits of dust or incrustations on the electric motor so as not to reduce heat dissipation and therefore endanger its proper operation due to excess of temperature.
- These fans are equipped with armored bearings. These are lubricated for life and no other lubrication operation is required for the expected duration of the bearing.
- Regarding the motor, follow the manufacturer's instructions.

FOR ANY QUESTION OR PROBLEM, DO NOT HESITATE TO CONTACT US.