

IGNÉO

Medium pressure fan with backward
impeller 400°C/2h certified inside the
hazardous area

INSIDE 400°C/2h



IGNÉO

Medium pressure fan with backward impeller 400°C/2h certified inside the hazardous area



◦ Manufacturing features

- Medium pressure centrifugal fan with direct coupling.
- Reinforced housing made of carbon laminated steel, protected against corrosion by powder coating polyester resin RAL 5010. Finish C3.
- Casing fully latched and adjustable.
- Self-cleaning turbine and reinforced impeller with high-performance backward (reaction) blades made of carbon laminated steel dynamically balanced to minimize noise and vibrations. Graffiti black RAL 9005.
- Motor with S1 service class for continuous operation and approved 400°C/2h for service class S2. IEC standardized asynchronous squirrel-cage motor with IP-55 protection and electrical insulation class H. Standard voltages 400V(Y) 50Hz in three phase motors up to 3kW and 400(D) 50Hz for higher powers.
- Motor with foot (B3) supported on motor support foot.
- Models of size 500 and above are supplied with a front support foot, for the other models the front support foot is optional.
- Inspection door to facilitate maintenance and cleaning.
- Available in the following orientations (to be indicated in case of order): LG0, LG45, LG90, LG135, LG180; LG225, LG270, LG315, RDO, RD0, RD45, RD90, RD135, RD180; RD225, RD270, RD315.
- Maximum working temperature in continuous: air transported: 130°C (service S1) and 400°C/2h (service S2), and maximum environment temperature: 60°C.

◦ Applications

Installation in conduit for the impulsion or aspiration of clean and dusty air in:

- Big buildings.
- Malls.
- Factories/Industrial buildings.
- Warehouses.
- Parking lots.
- Catering/Hospitality.
- Extraction of smoke.
- Boilers and ovens.
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

◦ Under request

- Fans to work at 60Hz and special voltages.
- 2 speed motor.
- C4-C5.
- Hot dip galvanized.
- Fully welded housing (watertight).
- Drain plug.

Official homologation by the European laboratory APPLUS according to EN 12101-3:2015.

◦ Installation examples



Plug fans

IGNÉO



◦ Range



◦ Accessories



INT 400

Connexion flange.



AC

Connexion flange.



JE 45

Flexible joint.



RA

Inlet protection guard.



SFC

Speed controller for single phase motors.



RIS pg.415

Outlet protection guard.



EIS

Connection to be fitted in the centrifugal fans outlet.



BIDS

Rectangular-rectangular coupling flange.



BADS F400

Circular-Circular coupling flange.



FS

Front support for medium and high pressure fans.



AB

Acoustic cabins for Casals centrifugal fans.



AVR

Anti-vibration rubber block.



AVS

Spring anti-vibration blocks.



BA-400

Anti-vibrating flange 400°/2h.

CPD

Frontal feet support .



CPDMP

Multiposition frontal feet support.



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