

NIMUS & NIMAX

Centrifugal fan, for clean
or slightly dusty air

CENTRIFUGAL MEDIUM
PRESSURE FANS



Centrifugal medium pressure fans

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• Características constructivas

- 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. Black painted RAL 9005.
- Squirrel cage standardized asynchronous IEC motor with IP-55 protection and class F electrical insulation. Standard voltages 230/400V 50Hz for three-phase motors up to 4kW and 400/690V 50Hz for higher powers. IE4 motors for 75kW power or higher.
- Motor with feet (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.
- Maximum working temperature in continuous: air transported: 130°C, Environment: 60°C.
- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270.

• Other versions

- Available in the following versions:
 - Standard version.
 - Non-sparking air passage and standard motor.
 - ATEX ZONE 1, ZONE 2, ZONE 21 and ZONE 22 (conductive and non-conductive).

• Applications

Suitable for moving clean or dusty air. Designed to be installed in conduit for suction or impulsion.

- Paint booths.
- Collection of dust.
- Food industry dryers.
- Food processing.
- Incineration.
- Odor control in industry.
- Indoor/outdoor pollution control.
- Big buildings.
- Malls.
- Factories/Industrial buildings.
- Warehouses.
- Extraction of smoke.
- Boilers and ovens.
- Manufacture and treatment of chemical products.
- Tunnels, underground stations.

• Under request

- Fans for special voltages.
- 2 speed motor.
- C4 or C5 coating painting.
- Hot dip galvanized.
- Inox 304 (normal or electropolished finish).
- Inox 316 (normal or electropolished finish).
- Cooling wheel.
- Anticaloric paint.
- Fully welded housing (waterproof).
- Inspection door to facilitate maintenance and cleaning.
- Drain plug.
- Airtight axle.
- Non-sparking air passage and standard motor
- Other brands of motors.

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◦ Range



◦ NIMUS




◦ NIMAX



◦ NIMUS ATEX



◦ Accessories

	INT Safety switch.		SFC Frequency speed controller.		RA Inlet protection guard.		AC Connexion flange.
	JE 45 Flexible joint.		AVR Anti-vibration rubber block.		EIS Outlet flange.		BADS Coupling flange.
	AVS Spring anti-vibration blocks.		RIS Outlet guard.		BIDS Rectangular-Rectangular anti-vibration flange for Storm.		SIL-C Duct circular silencer.
	FS Front support for medium and high pressure fans.		AB Acoustic cabins for Casals centrifugal fans.		BA-400 Anti-vibrating flange 400°/2h.		



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