

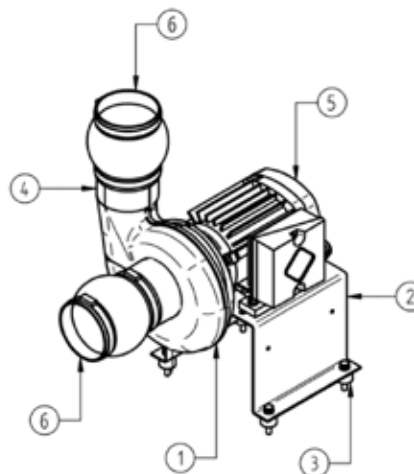


ATEX RADIAL FAN WITH VOLUTE GROUP II - 2G EX EB IIC T4 GB



◀ MATEX100

1. Fan casing
2. Mounting chair
3. Rubber vibration damper (supplied)
4. Pressure port
5. Motor
6. Connection with flexible sleeves on suction and discharge sides (supplied)



WHAT IS AN EXPLOSIVE ATMOSPHERE?

An explosive atmosphere (ATEX) is a safety zone classification for environments in which flammable gases, vapours, dusts or fumes are present or likely to form such as a laboratory. These zones are defined by the ATEX Directive 2014/34/EU.

WHAT ARE THE RISKS ASSOCIATED WITH EXPLOSIVE ATMOSPHERES?

An explosive atmosphere results from a mixture of combustible substances (flour, wood dust, solvent vapours, etc.) with air, in such proportions that an ignition source of sufficient energy produces an explosion.

An explosive atmosphere can cause fires and/or explosions, resulting in significant injury and material damage.

On average, one explosion occurs every day in the industrial sector in France. The effects can be devastating, both in human and material terms. Sectors where chemicals or high levels of dust are handled (wood, metal, food, laboratory, etc.) are particularly concerned.

COMPLIANCE

The prevention of the risk of explosion is covered by specific regulations, known as the ATEX regulations. Two European directives apply to users and manufacturers in areas where there is a risk of explosion:

- Requirements to improve the health and safety protection of workers potentially at risk from explosive atmospheres (Directive 1999/92/EC of 16 December 1999).
- Equipment and protective systems intended for use in potentially explosive atmospheres.

ADVANTAGES OF AN ATEX ENGINE

- Explosion-proof.
- Does not produce sparks: reduced risk of fire.
- Reliable over time.
- Energy-efficient.

TECHNICAL DATA

- Corrosion-resistant plastic radial fan with volute manufactured from PPS.
- Fan frame in epoxy-painted sheet steel.
- Voltage: 230V; Freq. 50Hz; Nominal current: 1.37 A.
- Noise level: 65 dB(A) (excluding air flow).
- Protection rating: IP55 .
- Ex classification: e II 2G Ex eb IIC T4 Gb.
- Category 3 (zone 2): for motors used in environments where high explosion risks may occur frequently.
- Temperature class T4 (135°C).
- Supplied with :
 - Rubber vibration dampers .
 - Connections with flexible connectors on suction and discharge sides, diam. 75 mm.

P/N	Description	Dimensions H x W x D (mm)	Air flow rate (m³/h)	Diameter diameter (mm)	Weight (kg)
MATEX100	Atex radial volute fan	400 x 230 x 377	100	75	8,5
ELE75	Rigid PVC reducer	-	-	75/100	-

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Fume hoods, filtering cabinets - Ventilation
Lithium-ion cabinets
Flammable cabinets
Corrosive cabinets
Toxic cabinets and Multirisk
Containment and cans
File cabinets
Anti-fire equipments
Showers and first-aid equipments