



PRODUCT PORTFOLIO

Industrial Fans & Blowers

Who we are

CBI Group, headquartered in Monza, boasts a storied legacy within the industry. Established in 1963, Industrie CBI S.p.A. initially focused on producing electromechanical components. Over time, the company diversified its capabilities, specializing in the creation, production, and distribution of top-tier industrial ventilation solutions.

Presently, the CBI Group stands out as a frontrunner in the industrial ventilation sector, thanks to its extensive history, technical acumen, and unwavering commitment to customer satisfaction. Through ongoing investments in cutting-edge research and technology, the company consistently delivers innovative solutions tailored to meet the evolving demands of its clientele.

Our values

Our work is built upon four crucial pillars that ensure we are prepared to tackle any challenge that comes our way:



Flexibility and reliability



Ethics in business



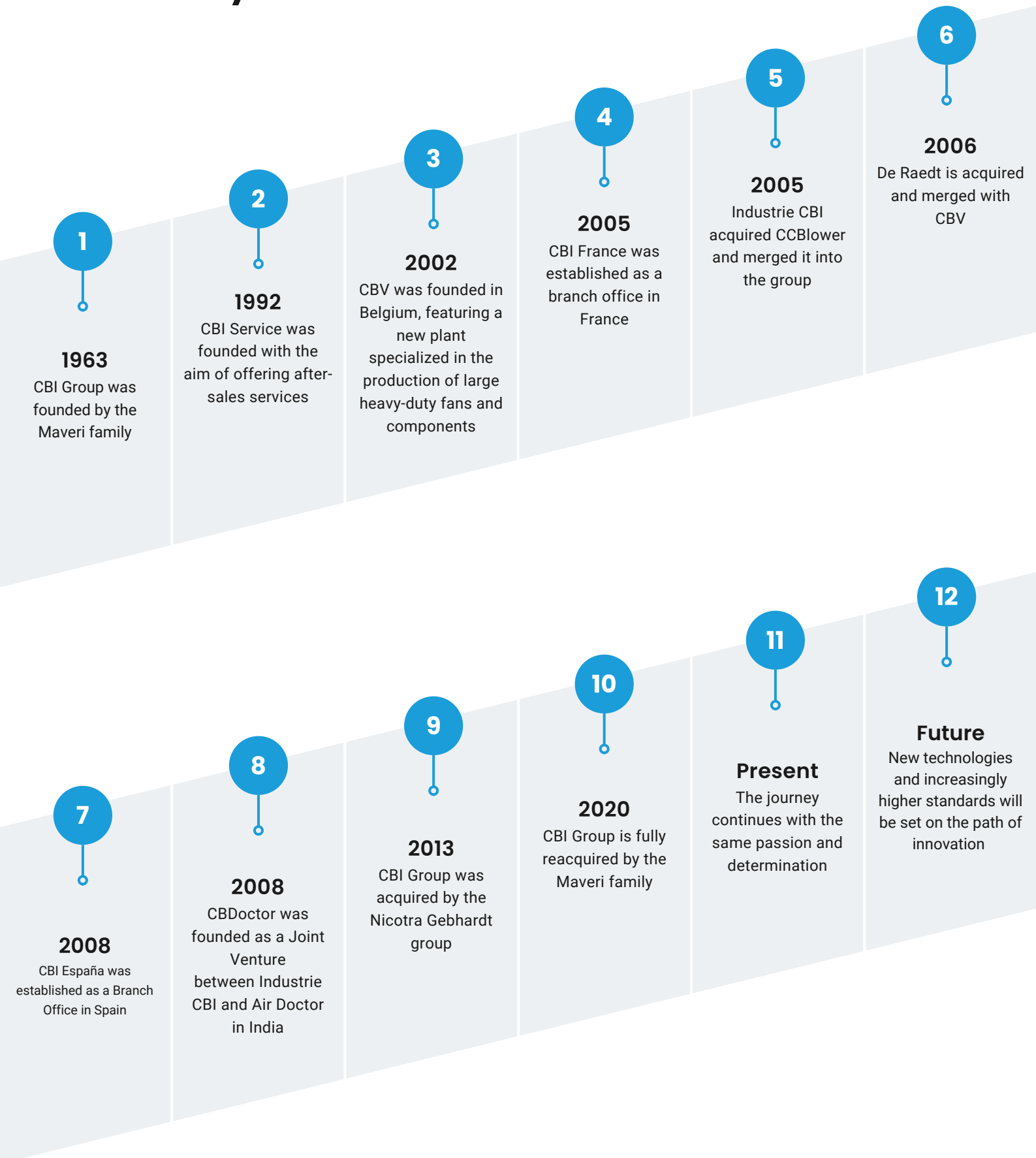
Continuous innovation



People first



History



Highlights

4**Productions Plant****3****Branches worldwide****+60****Years of operation****+200****Number of heavy-duty fans manufactured annually****+23k****Number of fans manufactured annually**

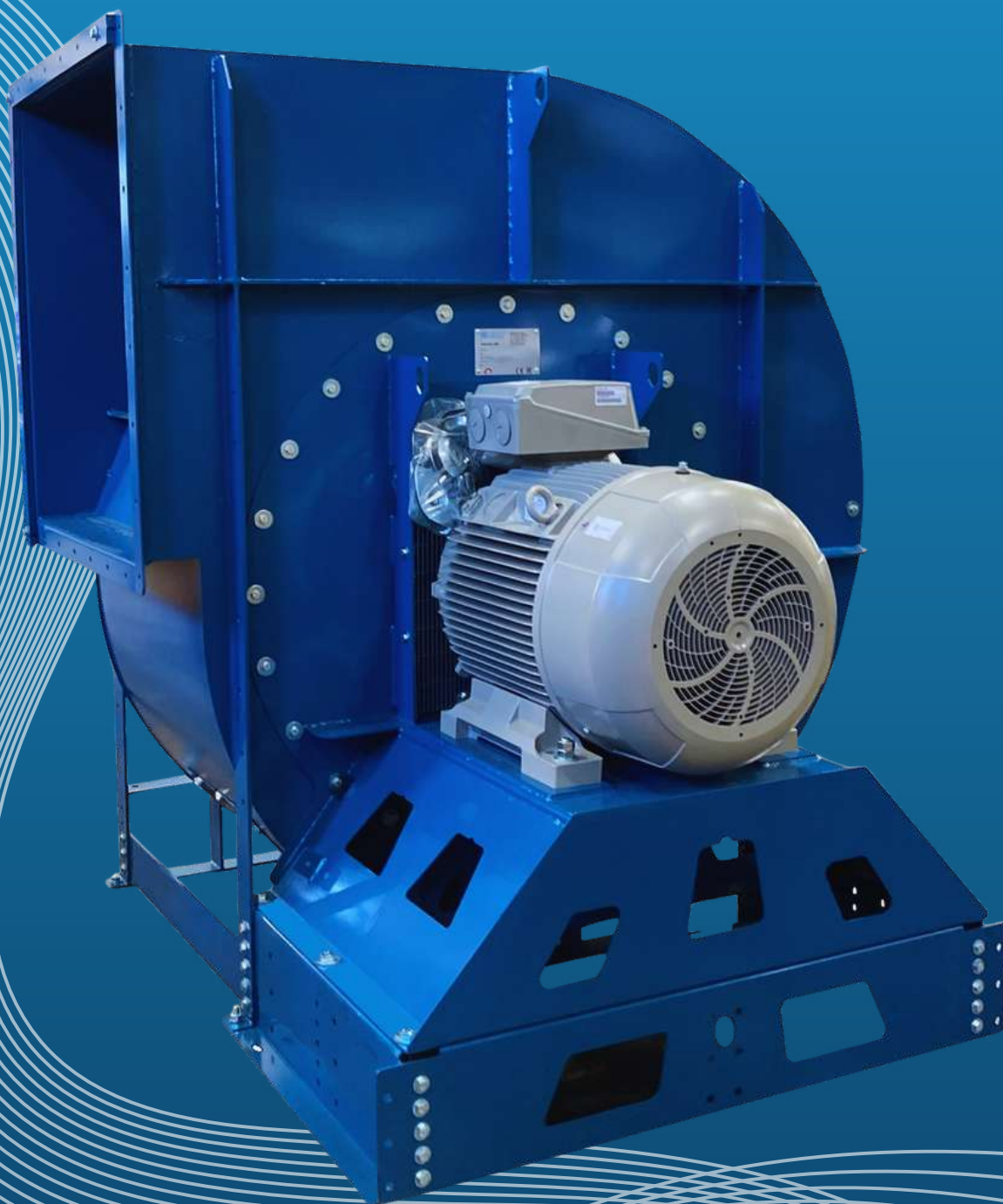
Certifications

Quality remains a consistent and crucial goal for CBI Group. The executives, staff, and all employees are dedicated to ongoing enhancements and oversight of the company's operations through regular training, specialized and certified personnel, products, and services.

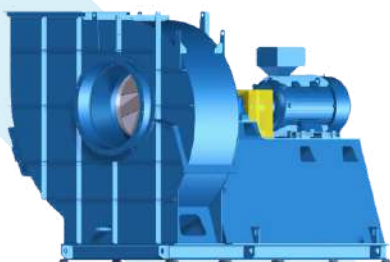
- All production facilities operate under the Certified Quality System: ISO 9001 and ISO 14001.
- For equipment designed for use in explosive environments, we can manufacture products and machinery that adhere to ATEX guidelines.
- CBJET Series for tunnel & metro applications are certified EN 12101-3 in order to operate up to 400°C/2h.



Centrifugal fan



Ch Series



Airfoil or backwardly inclined curved and backwardly inclined flat blade.

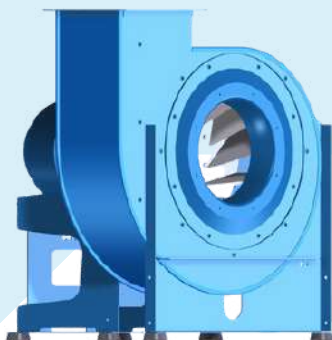
Available in 19 sizes with **impeller diameters** up to **2.450 mm**.

Flow rate (max): 450.000 m³/h

Pressure (max): 6.500 Pa

Temperature: up to 300°C

K Series



Backwardly inclined flat or radial blade (open or closed).

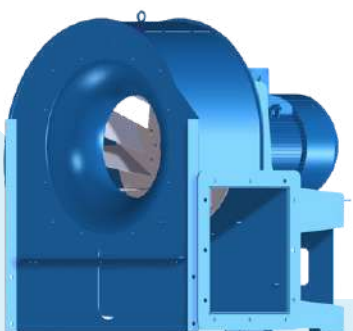
Available in 18 sizes with **impeller diameters** up to **2.200 mm**.

Flow rate (max): 370.000 m³/h

Pressure (max): 9.000 Pa

Temperature: up to 300°C

Z Series



Backwardly inclined flat blade.

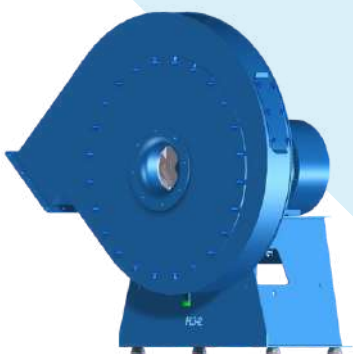
Available in 18 sizes with **impeller diameters** up to **2.200 mm**.

Flow rate (max): 400.000 m³/h

Pressure (max): 9.500 Pa

Temperature: up to 300°C

H Series



Backwardly inclined curved or radial blade (open or closed).

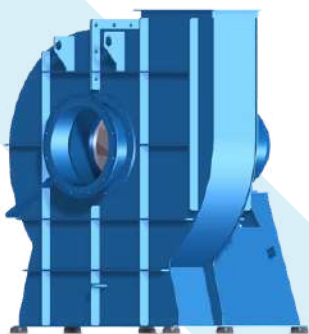
Available in 11 sizes with **impeller diameters** up to **1.100 mm**.

Flow rate (max): 10.000 m³/h

Pressure (max): 15.000 Pa

Temperature: up to 300°C

S Series



Backwardly inclined flat blade.

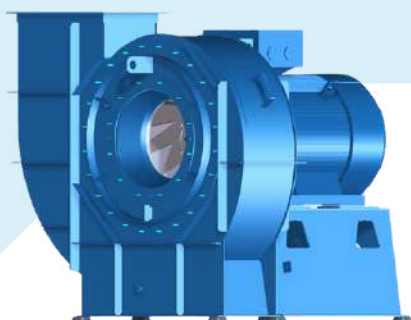
Available in 14 sizes with **impeller diameters** up to **2.240 mm**.

Flow rate (max): 200.000 m³/h

Pressure (max): 25.000 Pa

Temperature: up to 300°C

M Series



Backwardly inclined flat blade.

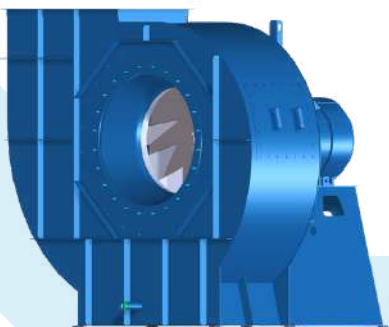
Available in 14 sizes with **impeller diameters** up to **2.240 mm**.

Flow rate (max.): 340.000 m³/h

Pressure (max): 18.000 Pa

Temperature: up to 300°C

X Series



Backwardly inclined flat blade.

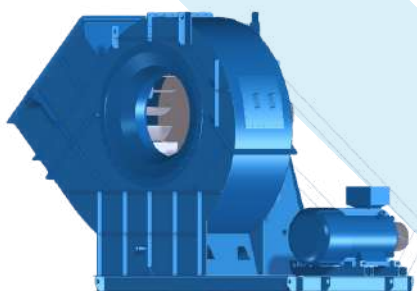
Available in 14 sizes with **impeller diameters** up to **2.240 mm**.

Flow rate (max): 500.000 m³/h

Pressure (max): 10.000 Pa

Temperature: up to 300°C

RT Series



Forwardly inclined radial tip blade.

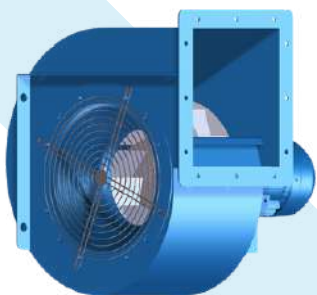
Direct or transmission arrangement.

Flow rate (max): 700.000 m³/h

Pressure (max): 12.000 Pa

Temperature: up to 650°C

CB Series



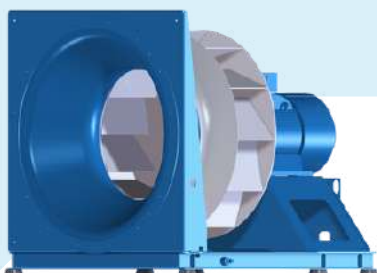
Forwardly inclined curved or backwardly inclined blade

Available in 8 sizes with **impeller** up to **500 mm in diameter**.

Flow rate (max): 20.000 m³/h

Pressure (max): 2.000 Pa

EVO Series



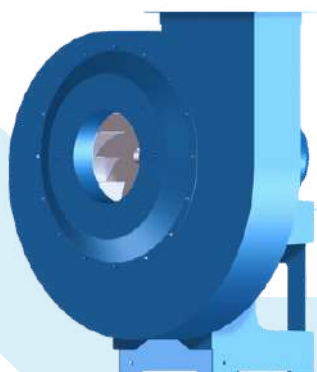
Backwardly inclined flat blade.
Direct arrangement.

Flow rate (max.): 320.000 m³/h

Pressure (max): 11.000 Pa

Temperature: up to 400°C

N Series



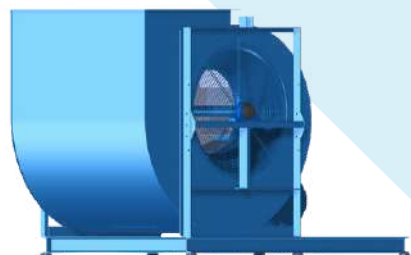
Backwardly inclined curved or radial blade (open or closed).

Available in 5 sizes with **impeller** up to **630 mm in diameter**.

Flow rate (max): 11.000 m³/h

Pressure (max): 8.000 Pa

ChT Series



Airfoil or backwardly inclined flat blade.

Available in 19 sizes with **impeller diameters** up to **2.450 mm**.

Flow rate (max.): 750.000 m³/h

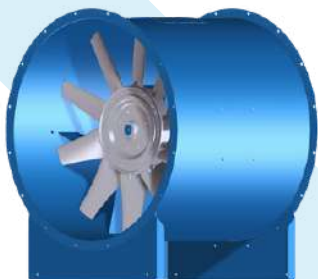
Temperature: up to 300°C

Pressure (max): 5.000 Pa

Axial fan



GAV Series



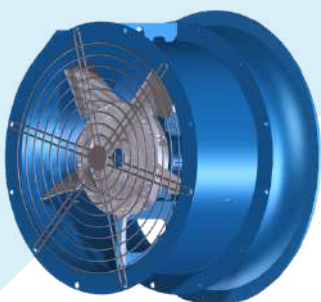
Airfoil blade and direct driven.

Available in 13 sizes with **impeller** up to **2.240 mm in diameter**.

Flow rate (max): 300.000 m³/h

Pressure (max): 1.000 Pa

GAX Series



Airfoil blade and direct driven.

Available in 13 sizes with **impeller** up to **2.240 mm in diameter**.

Flow rate (max): 300.000 m³/h

Pressure (max): 1.000 Pa

GAT Series



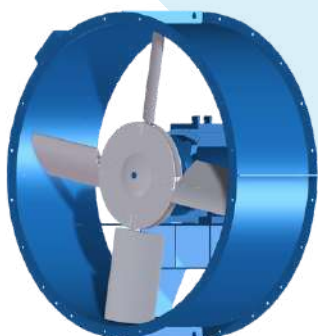
Airfoil blade and transmission coupling.

Available in 12 sizes with **impeller** up to **2.240 mm in diameter**.

Flow rate (max): 50.000 m³/h

Pressure (max): 600 Pa

EFA Series



Airfoil blade and Direct Driven.

Available in 7 sizes with **impeller** up to **2.240 mm in diameter**.

Flow rate (max): 480.000 m³/h

Pressure (max): 1.800 Pa

AXL Series



Airfoil blade and direct coupling.

Flow rate (max): 830.000 m³/h

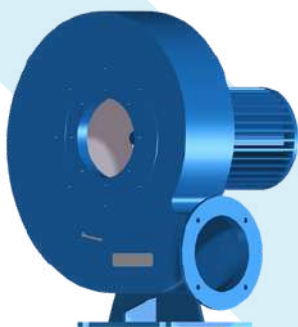
Pressure (max): 5.000 Pa



Small Fan Division



AP Series



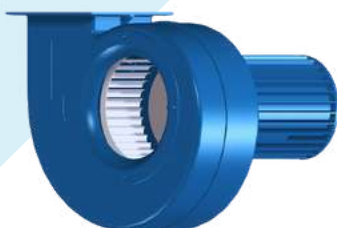
Forwardly inclined curved or radial blade.

Available in 5 sizes with **impeller** up to **400 mm in diameter**.

Flow rate (max): 2.300 m³/h

Pressure (max): 3.800 Pa

VR Series



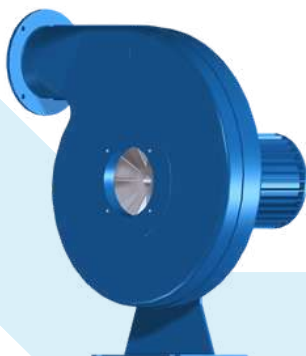
Forwardly inclined curved blade.

Available in 5 sizes with **impeller** up to **630 mm in diameter**.

Flow rate (max): 1.500 m³/h

Pressure (max): 1.600 Pa

DT Series



Radial blade.

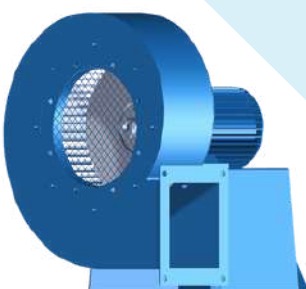
One size, single or double stage.

Flow rate (max): 400 m³/h

Pressure (max): 4.000 Pa

Temperature: up to 150°C

VRP Series



Forwardly inclined curved blade.

Available in 4 sizes with **impeller** up to **300 mm in diameter**.

Flow rate (max): 4.500 m³/h

Pressure (max): 4.300 Pa



Tunnel & Metro Solutions

CBJET Series



The CBJET series is specifically designed for installation inside tunnels and galleries.

It is built to the **highest quality standards** to ensure reliable operation over the years and to be suitable for smoke extraction in case of fire.

The fans are **tested** and **certified** to the **strictest international fire safety standards** EN 12101-3 in order to operate up to **400°C/2h**.

The performance of the fans is certified and ensured by aerodynamic tests in compliance with International Regulations (AMCA and ISO) in order to meet or exceed all the technical requirements of the project specifications.

Impeller diameter

Up to 1.600 mm

Thrust

from 270 N to 3000 N

Flow rates

250.000 m³/h

Temperature

Up to 400°C/2h

Configuration

Direct driven

AXL Series



The AXL series fan can serve as a viable option for smoke and heat extraction during fire incidents. This feature renders it appropriate for integration into emergency systems designed for metro tunnels and galleries.

Flow rates

830.000 m³/h

Pressure

5.000 Pa

Blade

Airfoil blade

Configuration

Direct coupling

After-sales services



After sales services



Installation

We provide complete assistance for the turnkey installation of every type of fan and related accessories, ensuring the correct execution of the work on-site.



Revamping

The division is specialized in the revamping, even extreme, of any industrial fan, up to its final testing



Reverse engineering

Thanks to the help of latest generation 3D scanners, we are able to replicate any component or spare part without the aid of any



Test & diagnosis

Our technicians are able to carry out vibrational, thermo-acoustic and aerodynamic analysis with the aid of cutting-edge instrumentation, even remotely.



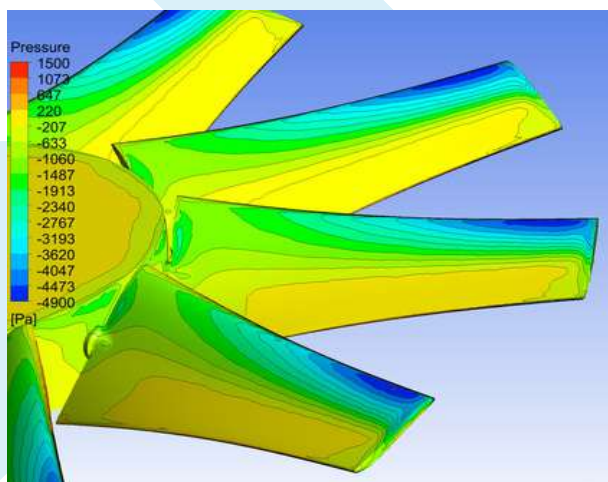
Spare parts

We supply and install any original or perfectly interchangeable spare parts, applying the mechanical and technical updates that have occurred in the meantime.

Research & Development

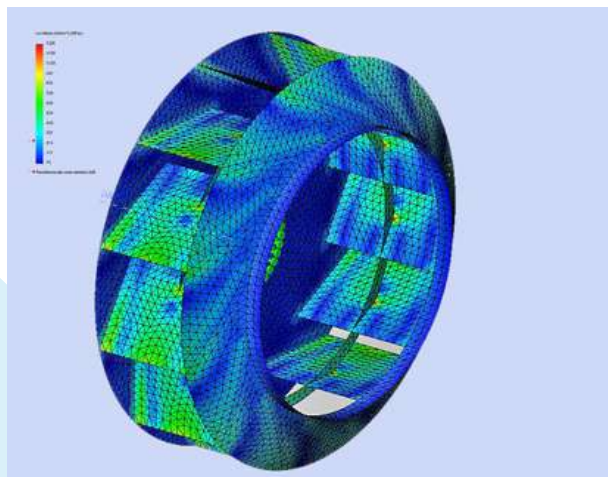
The Research & Development division is dedicated to continually seeking optimized performance, studying **product evolutions**, and industrializing new solutions.

Our team of engineers uses the **most advanced FEM, CFD technologies and modern testing rooms**.



CFD Analysis

CFD software generates aerodynamic virtual prototypes that enable the investigation of design solutions, evaluating aerodynamic performances of single blades, fans and entire systems.



FEM Analysis

FEM analysis is able to predict structural behavior in order to calculate:

- linear elastic and elastoplastic analysis
- fatigue life prediction and hot-spot method
- modal analysis
- rotordynamic analysis
- thermostructural analysis
- creep analysis with material characterization



Testing Room

R&D division is equipped with a sophisticated full automatic test room projected according to the AMCA standards, where fans up to 710 mm in diameter with a maximum airflow of 47.000 m³/h and 5.000 Pa of pressure can be tested



Registered office

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A series of white, wavy, overlapping lines that sweep across the bottom right of the page, creating a sense of motion and design.