

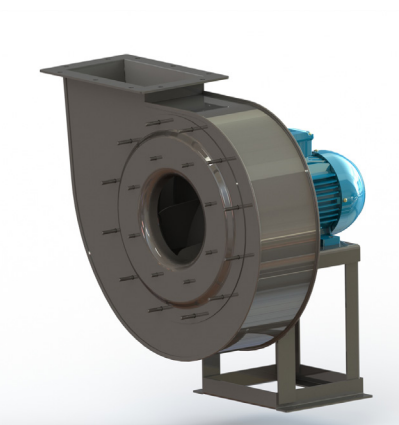


**ALMECO**

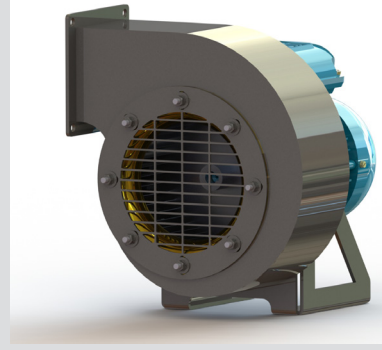
air and water technologies

**CENTRIFUGAL FANS**

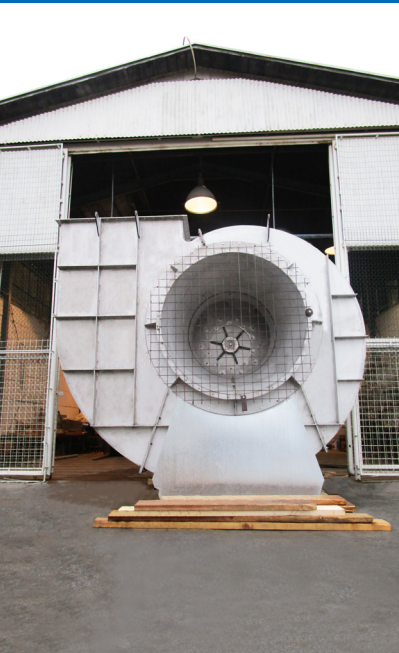
## General executions



- Single inlet centrifugal fan
- Casing made of welded steel plate
- Impeller with forward or backward curved blades available
- Coupling or belt drive available
- Special material, dimensions or design optional
- Atex certification on demand
- Low, medium and high pressure
- Ventilation for all kind of industrial applications
- For non-industrial as well as industrial applications in general ventilation, dedusting, drying, conveying, cooling, machinery industry ...



## Heavy duty executions



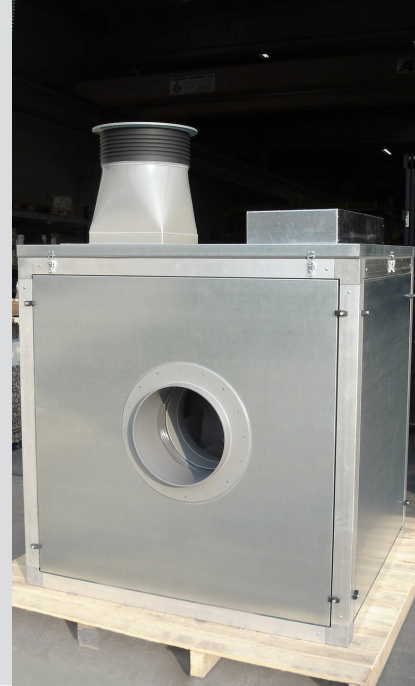
- Single or double inlet centrifugal fan
- Casing made of thick welded reinforced steel plate
- Impeller with backward curved blades
- Coupling or belt drive available
- Special material, dimensions or design optional
- Atex certification on demand
- Low, medium and high pressure
- Process and ventilation applications
- For industrial applications in chemical, glass, ceramic, metallurgic, ...



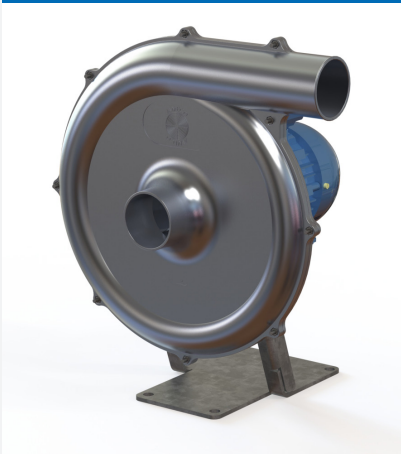
## Plastic executions



- Single inlet centrifugal fan
- Casing made of welded plastic (PVC or PP)
- Impeller with forward or backward curved blades available
- Welded pedestal made of coated, galvanized, or stainless steel plate
- Belt drive available
- All components in contact with the medium are made of corrosion-resistant plastic
- Atex certification on demand
- Other material on request (PE, PVDF, GfK, ...)
- For industrial applications in food, air treatment, chemical, ...



## Aluminium executions



- Single inlet centrifugal fan
- Casing made of cast aluminium
- Impeller with forward curved blades
- Welded frame made of hot dip galvanized steel
- Special dimensions or design optional
- Low flow and pressure
- For industrial applications in extracting waste fumes, machinery industry, ...

## Roof executions



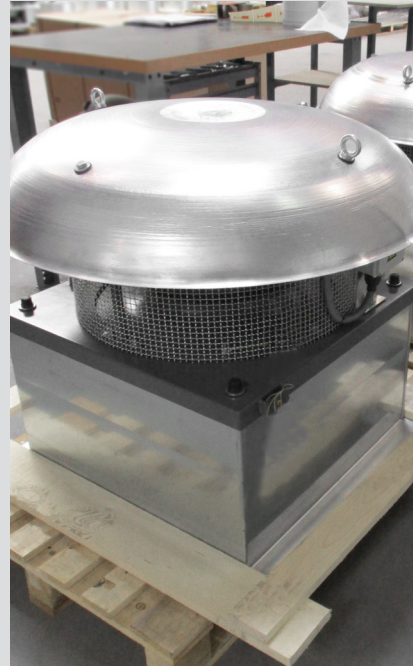
### Plastic version

- Casing made of corrosion-resistant plastic PUR
- Horizontal or vertical outlet with deflector ring
- Impeller with backward curved blades made of plastic PP (GfK for bigger size)
- Motor outside the medium to be conveyed
- Atex certification on demand
- Safety guard included
- Wide range of characteristics
- For industrial applications in exhaust air processing, even aggressive gases (high resistance to corrosion)



### Aluminium version

- Casing made of cast aluminium
- Horizontal or vertical outlet with deflector ring
- Impeller with backward curved blades made of plastic PP or coated steel for bigger size
- Atex certification on demand
- Safety guard and mounting plate included
- For applications in ventilation systems of industrial buildings, shopping malls and other large spaces for the transport of dust free air and other non-aggressive gases.



# A few references

## Duplex centrifugal fan for high temperatures

Our client, a manufacturer of industrial exhaust systems, was looking for a solution for the extraction of hot air at the end of a DeNOx treatment. This treatment consists of the elimination of nitrogen oxides NOx.

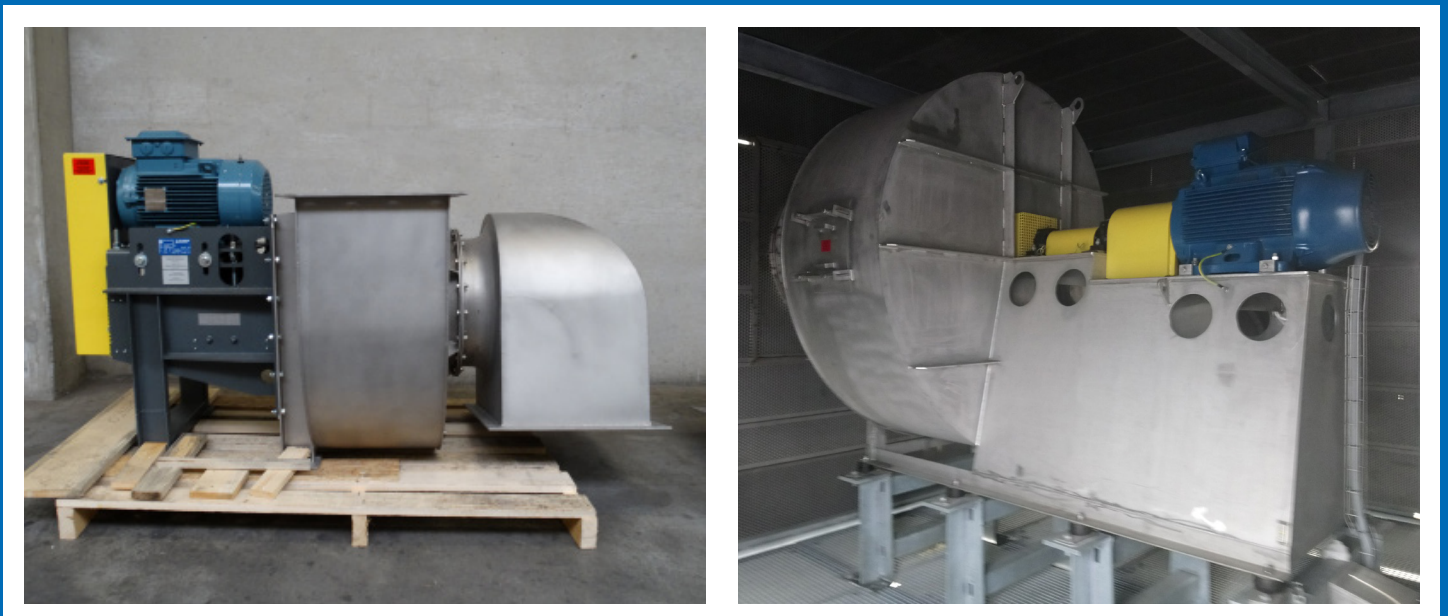
For this application we developed a centrifugal fan of the type CVX. The fan is made of duplex stainless steel to withstand the composition of acid gas and high temperature. The impeller of the CVX fan has a diameter of 500 mm and the motor a power of 22 kW. In order to meet customer requirements, the belt drive design has been made as compact as possible.

## Stainless steel centrifugal fan with flexible coupling

Our client is active in the processing of potatoes in Belgium. They produce a wide range of pre-fried and frozen potato products. The customer was looking for a solution for hot air extraction. In addition, this air was loaded with fat residues.

For this application, we have developed a centrifugal fan of the CVX type. Due to the presence of food and the continuous contact with hot and fatty air, we opted for a stainless steel construction. Stainless steel constructions are more resistant to corrosion and multiple aggressive cleaning. The 75kW motor drives the fan via a flexible coupling. This makes maintenance of the installation easier. The fan itself has a diameter of 1.120 mm and is located under an acoustic box. The noise level is thus kept to a minimum.

For more references:  
go to [www.almeco.eu/en/references](http://www.almeco.eu/en/references)



# AXON

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## OUR OTHER BUSINESS UNITS:

- fluid cooling systems
- drying solutions
- water treatment
- air treatment
- automation



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## Our solutions

Almeco is the reliable partner for fans, drying systems and cooling towers. With our customer, we look for the most efficient solution, either a standard or a custom-made product. Moreover, we provide service and maintenance on existing products. We are specialist in water cooling towers: both delivering new towers as revamping, maintenance and water treatment. At Almeco, we also produce and distribute various types of industrial fans. We know all about drying systems based on air knife technology. Engineering and design are done with constant striving for safety and quality improvement.

## Industrial fans and blowers

We have a wide range of industrial fans and blowers: from small axial and centrifugal fans for standard applications to large custom-made fans for use in the most demanding environments. Our range includes axial and centrifugal fans, axial impellers, roof fans, smoke & heat extract fans, blowers and ATEX-executions.

## Services for industrial fans

- Balancing
- Vibration measurements and analysis
- Noise measurements
- Replacing components, entire impellers or fans, and accessories
- Maintenance and repairs: on-site or in our own workshop
- Optimization of fans
- Upgrades

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