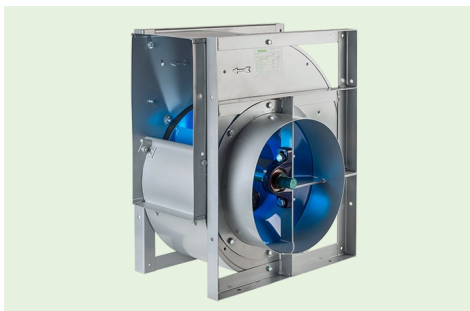
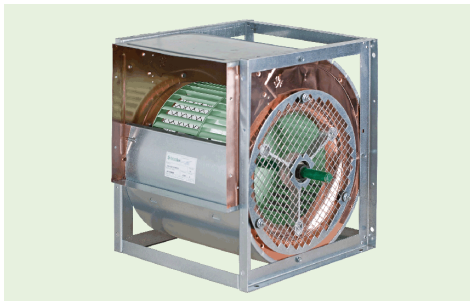
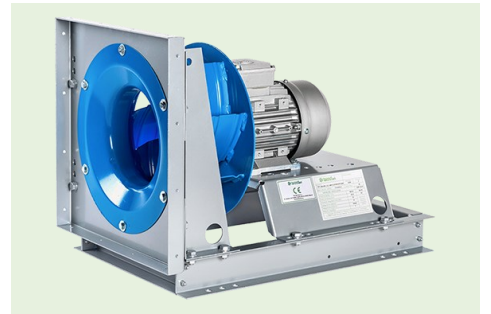


# Centrifugal Fans

## Forward - Backward Curved Blades

### Single - Double Inlet



## Centrifugal fans

Since more than 30 years, TECNIFAN is one of the European leaders specialized in the manufacture of low and medium pressure centrifugal fans, designed for ventilation and air conditioning facilities.

Located in the region of Madrid, its resources and technology are completely Spanish. We are specialized in the manufacture of simple and double inlet fans in different construction varieties.

In recent years and due to the demanding standards for fire protection in the European Union, we have developed the 400°C/2h fans according to the directive UNE-EN 12101.3, as well as ATEX certificates according to UNE-EN 14986.

We can also provide centrifugal fans with backward curved blades for medium and high pressures, due to our close partnership with the Italian manufacturer COMEFRI SPA.

“TECNIFAN fans are manufactured with high precision machinery designed by our I+D+i department (Investigation, Research & Innovation) , under the ISO 9001 Quality Standard Regulation certified by TÜV Rheinland”



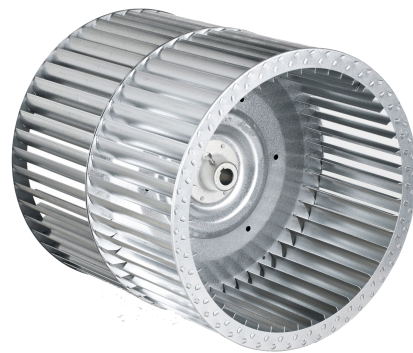
### Automated production

Always aware of the necessary technical and technological innovations, we have progressively been introducing constructive varieties and improving our software development optimizing in this way the production process.

### Quality features

The impellers are manufactured through a system of mechanical interlocking, with inserted blades, which gives them great rigidity and high performance.

The spider arms, bearing supports, are manufactured in cast aluminum with a shot blasted finish, ensuring great strength and an excellent aerodynamic performance.



### International opening

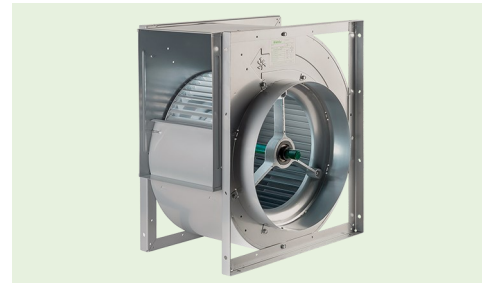
Our main markets include both national and international territories such as the European, Asian, American and African, demonstrating a wide export capacity and distribution to any desired location. More than one million manufactured fans guarantee our leadership position.



## Forward curved blades fans: low and medium pressure

### TSA Series

Simple inlet centrifugal fans with free shaft for belt driven transmission. Includes nine sizes with cubic frame which facilitates the mounting in four different orientations for each hand. Manufactured with the shaft on the right hand (clockwise) and on the left hand (counter-clockwise). The four biggest sizes are built with a cast bearing support.



### TDA Series

Double inlet centrifugal fans with free shaft for belt driven transmission. Formed by a wide range of sizes, in total twenty three with three constructive varieties: L-Light, SR-Semi-reinforced and R-Reinforced. The extensive range is completed with two or three fans mounted on the same shaft (like a tandem). Supplied with two shaft keyways for an easy mounting in eight possible orientations.



### TMD Series

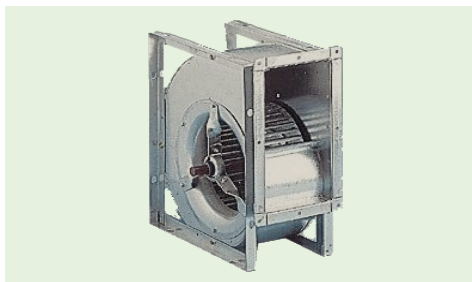
Low pressure direct driven motor centrifugal fans, the impeller is directly coupled to the motor shaft and therefore supported on the housing with shock-absorbing brackets.

The motors are IP54, single or three phase, 4 or 6 poles, insulation class F and internal thermal protection. As an optional, three-speed motors can be supplied.



## Forward and backward curved blades fans: low and medium

### Forward curved blades impeller



TLE - Single Inlet

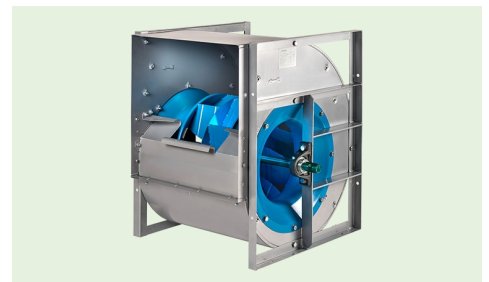
Sizes from 200 to 1000

### Backward curved blades impeller



THLE - Single Inlet

Sizes from 200 to 1000



VTZ - Double inlet

Sizes from 315 to 1000



TLZ - Double inlet

Sizes from 200 to 1000

Double impeller as an option



THLZ FF - Double inlet polyamide

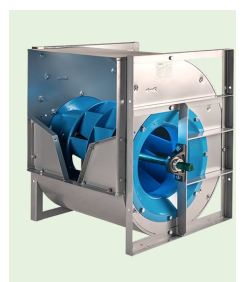
Sizes from 200 to 450

Double impeller as an option



NTHZ FF

Forefinger



TZAF FF

Airfoil Forefinger

Sizes from 315 to 1000



# Centrifugal Motor-Fans with backward curved blades for plenum assembly

## TPF (Plug Fan) - Series

High performance centrifugal motor-fan with a backward curved blades impeller, without housing and operated directly by an electric motor. The coupling between impeller and motor is made by a hub arrangement type taperlock, to facilitate the change of the motor.

They can be manufactured in 13 different sizes, ranging from 250 to 1000, with metal impeller and alternatively with polyamide impeller with airfoil blades for sizes from 250 to 450.

### Main advantages

- High efficiency.
- Space profit.
- Lower sound level.
- Economic saving.
- Different supply planes.
- Higher versatility in the installation.
- Easy maintenance.

Horizontal Mount.

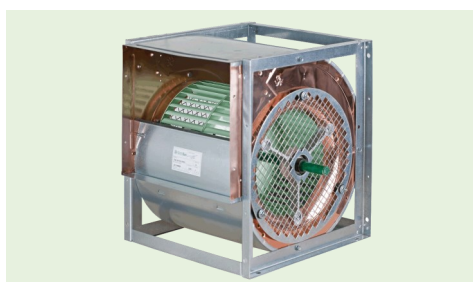


Vertical Mount.

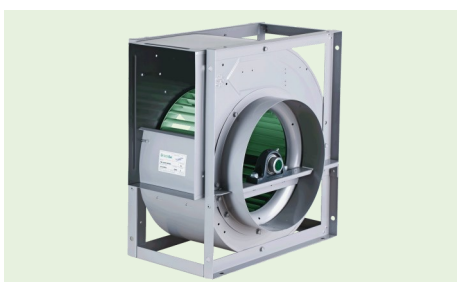


## Certified Options

### ATEX



### 400°C/2h



### Industrial



BCE - Single Impeller

Sizes from 400 to 1600

### Accessories



- Motor support bench
- Epoxy painting.
- Flange/Counterflange
- Extended shaft
- Flexible connection
- Protection grills
- Inspection door
- Support feet
- Flowmeter
- Motor support

### Mounting options



- Frame and cast bearing support
- Motor coupled by motor support
- Motor coupled by motor support



BCZ - Double Impeller

Sizes from 1120 to 2000