

# Centrifugal blower

“DUSTECH” centrifugal fan is a mechanical device for moving air or other gases. The terms "blower" and "squirrel cage fan", (because it looks like a hamster wheel), are frequently used as synonyms. These fans increase the speed and volume of an air stream with the rotating impellers.

## Two Type of Blower-

1. **Backward curved**
2. **Forward curved**

## 1. Backward Curved

Backward curved Fans also known as Radial Fans are Centrifugal Fans with Backward Curved Blades. Backward curved fans are known as “non overloading” because changes in static pressure do not overload the motor. Its hydraulic efficiency is very high.  
Type of Backward curved:-

- A) **Backward curved SISW**
- B) **Backward curved DIDW**

Centrifugal Backward Curved Fans/Blowers consist of Double Inlet Double Width (DIDW) and Single Inlet and Single Width (SISW) configuration. These fans have backward curved impellers with backward curved blades having special profile to give you maximum efficiency at low noise levels.

### Different Models:-

#### Backward Curved SISW

- 1) RL
- 2) BL
- 3) BH
- 4) High pressure

#### Backward curved SISW



#### Backward Curved DIDW

- 1) LLD

#### Backward curved DIDW



## **Forward Curved Blower :**

Forward curved are well suited to ventilation and industrial-process applications where moderate capacities at low pressures are required. Applications include HVAC ventilation, oven and dryer exhaust and process drying and cooling.

These Blowers are manufactured using high quality raw material with the international quality parameters. Further, our entire range is tested on well-defined parameters to ensure its flawlessness at clients' premises. In addition to this, we offer these products to our clients at market leading prices.

### **Features:**

- Long functional life
- Sturdiness
- Anti Corrosive

### **Specifications:**

- It can handle large volumes of air with at low pressure.
- It operates at low speeds
- Forward Curved Blowers provide smooth, quiet operation for low pressure, high volume applications.

### **Application:**

- It has extensive use in Heating, Ventilation & Air-Conditioning systems.

### **Type of Forward curved:-**

a) GI Blower

