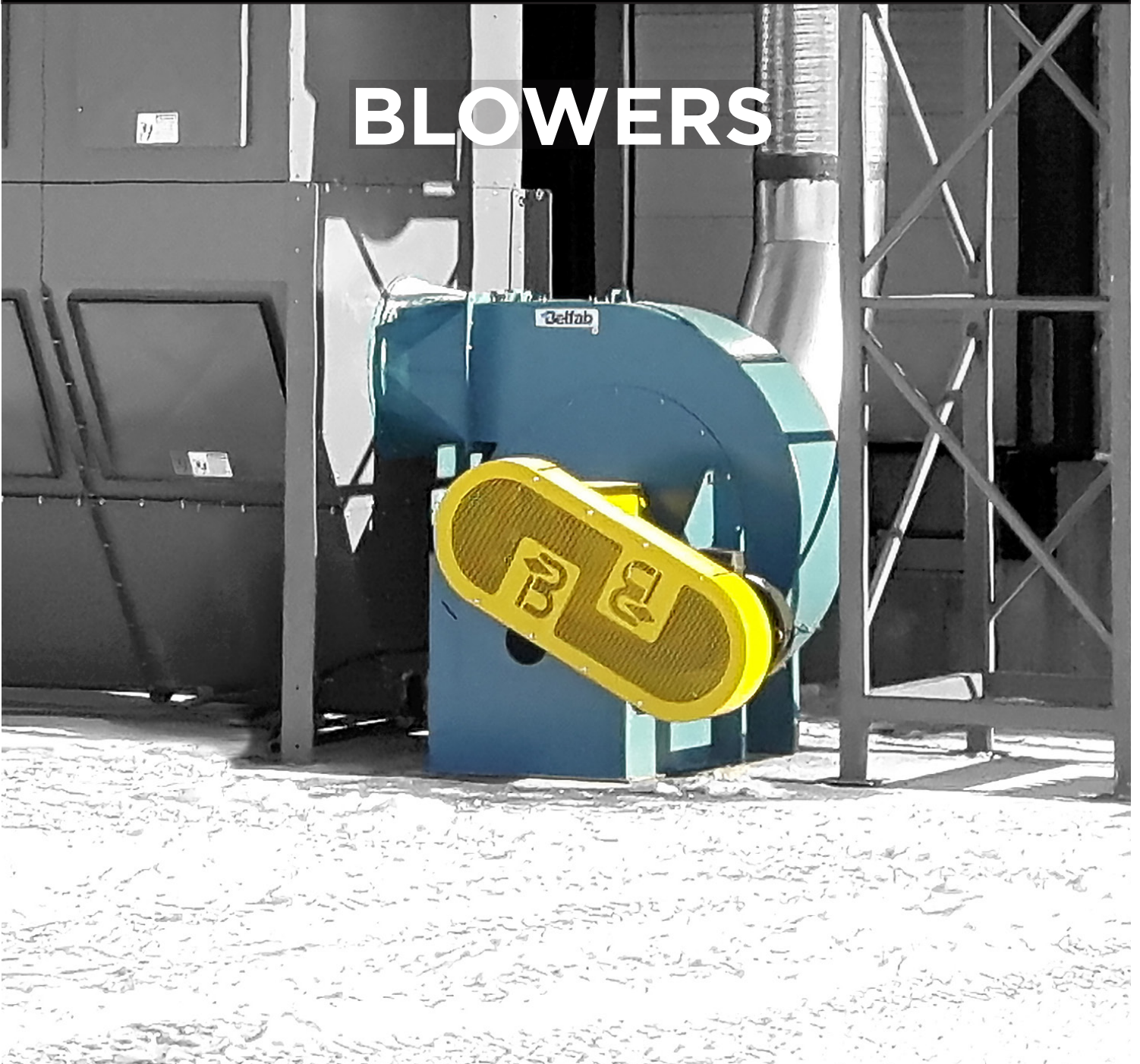




DUST COLLECTORS  
& DOWNDRAFT TABLES

A division of  
**Pyradia**

# BLOWERS

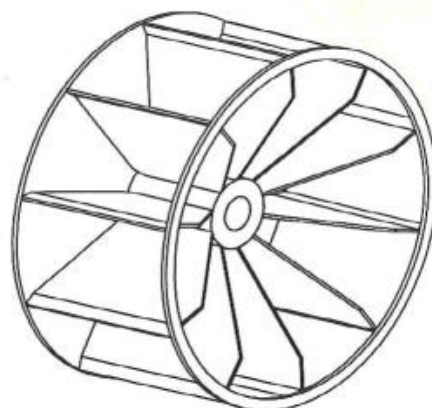


## **BELT-DRIVEN BLOWERS**

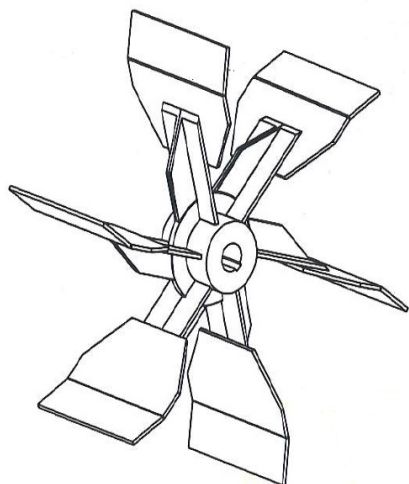
### **RSC/RSO BLOWERS**

RSC/RSO blowers are typically installed before the dust collector and are used for the transportation of materials. They develop airflow capacities between 1,000 & 140,000 CFM at static pressures ranging from 1 to 16" of water and can hold motors ranging from 3 HP to 500 HP.

The RSC/RSO blowers are equipped with two inspections doors at the wheel, a shaft guard and a belt guard. Furthermore, the motor platform is equipped with a treaded rod to ease the motor adjustment and to set the tension of the transmission belt. The bolt-on construction of RSC/RSO blowers allows different orientations of the exhaust, offering greater flexibility.



**RSC FAN WHEEL**



**RSO FAN WHEEL**

The RSC/RSO fan wheels are available in steel as standard equipment and stainless steel or aluminum as an option. Both clockwise and counter clockwise configurations are available. The RSC fan wheel is specially designed for systems transporting moderated loads of dust, powder and particles.

The RSO fan wheel is designed for heavy duty and abrasive applications and is used in systems transporting large quantities of coarse dust, chips and filamentous materials.

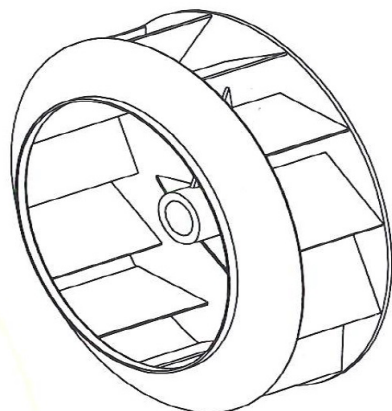
*Belfab improves its products continuously and may change the specifications without notice.*

## BELT-DRIVEN BLOWERS

### RBI BLOWERS

RBI blowers are typically installed after the dust collector and in a clean air system. They develop airflow capacities between 1,000 & 140,000 CFM at static pressures ranging from 1 to 18" of water and can hold motors from 3 to 500 HP.

The RBI blowers are equipped with two inspections doors at the wheel, a shaft guard and a belt guard. Their heavy-duty built ensures minimum vibration and resonance. Furthermore, the motor platform is equipped with a treaded rod to ease the motor adjustment and to set the tension of the transmission belt. The bolt-on construction of RBI blowers allows different orientations of the exhaust, offering greater flexibility.



RBI FAN WHEEL



The RBI fan wheel is available in steel as standard equipment and stainless steel or aluminum as an option. The RBI fan wheel increases the efficiency of the blower because it requires less HP to produce the same amount of CFM, resulting in greater energy savings. Furthermore, the inclination of the blades results in a more silent blower. Both clockwise and counter clockwise configurations are available.

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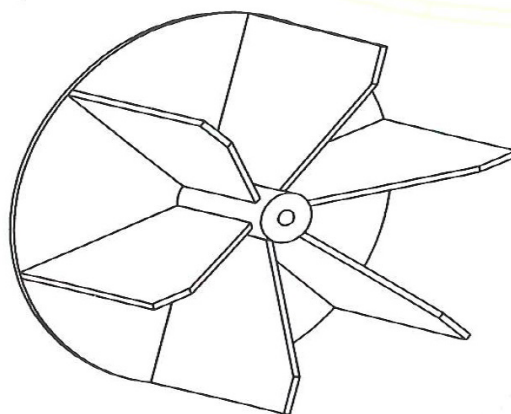
## BLOWERS

### BELT-DRIVEN & DIRECT DRIVEN



#### **DIRECT DRIVEN BLOWERS** **STANDARD BLOWERS**

Standard blowers are designed for dust transportation. They develop airflow capacities between 1,000 and 6,000 CFM at static pressure ranging from 5 to 14" of water. With their adjustable motor support and their universal housing, the Standard blowers can hold motors from 2 to 20 HP. You can increase the power of your blower simply by changing the motor, the fan wheel and the inlet plate. Both clockwise and counter clockwise configurations are available.



**STANDARD FAN WHEEL**

The standard fan wheel is available in cast aluminum, steel or stainless steel. A non-spark cast aluminum wheel comes as standard equipment on all standard blowers, giving you an AMCA type B construction. For heavy duty and abrasive applications, it is recommended to choose a steel or stainless steel fan wheel option.



#### **DIRECT DRIVEN BLOWERS** **HUMMER BLOWERS**

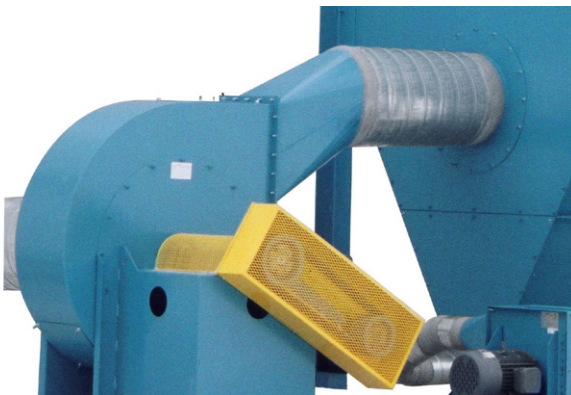
The BELFAB HUMMER blower has been engineered around an 1800 RPM electric motor. This design feature enables to reduce substantially blower sound levels for blowers ranging between 10 to 30 HP.

BELFAB patented universal housing design also enables to upgrade blower performance from 10 HP / 4600 CFM to 30 HP / 9000 CFM.

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## **BLOWER FEATURES**

- All our blowers are factory assembled for a complete testing of the equipment.
- The RSC/RSO & RBI blowers are statistically and dynamically balanced.
- Large range of fan wheels available to meet your requirements and maximise efficiency.
- Our blowers are designed to ease the access to the motor, fan wheel and bearings, assuring simple installation and maintenance.
- Our standard blowers are designed to handle air at temperatures up to 200°F.
- Custom-engineered blowers can handle air at temperatures as high as 2000°F.
- The motors of our blowers are TEFC type, CSA & UL approved.
- The shafts of the RSC/RSO and RBI blowers are made from AISI 1040 TGP steel.
- A variety of accessories can be added to our blowers.



## **BELFEB WARRANTY**

12 months

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