



SALES SHEET | PRODUCT HIGHLIGHT

## BACKWARD CURVED CENTRIFUGAL FAN

SERIES 03

The Hartzell Series 03 Backward Curved Centrifugal Fans are designed to provide maximum performance and efficiency. These versatile and dependable units are suited for handling clean air and industrial fumes. These blowers are available in direct drive and belt drive configurations. The Hartzell Type BC and BA (airfoil) wheels have non-overloading horsepower characteristics. Performance to 136,000 CFM, 25" s.p. and temperatures to 800°F.

### THE BOLD DIFFERENCE:

#### BUILT LIKE A TANK

- Heavy all welded construction
- Oversized shaft and bearing for long life
- Operates well below shaft critical speeds

#### HIGH END DESIGN

- Backward curved wheels with efficiencies similar to airfoil bladed wheels
- AMCA Certified for Sound and Air Performance
- Tight wheel to inlet cone gaps using spun components

#### NO HASSLE MAINTENANCE

- Belt tension adjusted by pivoting or slide rail bases
- Lubrication lines extended outside covers and guards
- Field rotatable housings

### CLAIMS COMPETITORS CANNOT MAKE:

Highest efficiency in the backward curved category

ABS Certified

### QUALITY AT EVERY TURN

Hartzell exceeds the standard in the air movement industry, committed to delivering top-quality, reliable products. Our relationship with our customers, and our knowledgeable, inventive, flexible and hardworking employees are the reasons we've continued and thrived, right here in the USA, for six generations.

Made in the USA

### SPECIFICATIONS:

Size	10" - 66"
Material	Steel, 304SS, 316SS, Aluminum
Pressure Range	5" - 25" sp

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## Markets

The Hartzell Backward Curved Centrifugal Fans are designed for a wide range of industry applications:



Chemical



Energy



Food Processing



Heavy Industry



Marine



Pulp and Paper



Transportation

## FEATURES

**Rotation and Discharge Positions** – Available in both clockwise and counterclockwise rotations and in eight standard discharge positions. Housing discharge position field rotatable through 33”.

**Wheels** – Type BC wheels have single thickness airfoil blades, and Type BA wheels have double thickness hollow airfoil blades. The heavy-duty steel construction is reinforced depending on size and class of construction. The wheel’s inlet rim is a tapered spun orifice. The inlet rim is overlapped by the fan’s spun inlet cone with closely held tolerances to ensure maximum performance and efficiency.

**Arrangements** – Available in arrangements 1, 3, 4, 8, 9, 9M, & 10.

**Temperature** – Suitable for temperatures up to 300°F, with special construction for temperatures up to 800°F available in most arrangements.

**Spark Resistant Construction** – AMCA Type A, B, and C is available, Membrane Type shaft seal is standard with AMCA Spark Resistant Construction. Explosion Proof Motors are also available.



### Performance Guarantee

You have high expectations. So does Hartzell Air Movement. We know you demand the most reliable and durable industrial air movement products available, so we’re holding ourselves to a higher standard. We’re so sure that our products will out-perform industry standards, we’re backing that promise with the industry’s first five-year warranty.

### Design Services

Hartzell offers designs and engineering support to custom design products to meet your specific applications.

CONNECT WITH US!



Contact your Hartzell Air Movement representative today!



[www.hartzellairmovement.com](http://www.hartzellairmovement.com)

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