



SALES SHEET | PRODUCT HIGHLIGHT

## BACKWARD CURVED CENTRIFUGAL FANS

SERIES 03F, 03P, 03Q, 03S, & 03U

Hartzell offers backward curved centrifugal fans in a variety of configurations to meet your requirements. These fans have the same proven high efficiency wheel as the standard Series 03, but are packaged in various specialty configurations. Configurations include flange mount, packaged, swing out, and utility. All come in either clockwise and counterclockwise rotations.

### THE BOLD DIFFERENCE:

#### BUILT LIKE A TANK

- Heavy all welded construction
- Oversized shaft and bearing for long life
- Operate 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 for the 03F, 03P, and 03S
- 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

**GOOD  
ENOUGH  
NEVER IS™**

At Hartzell, these are words we live by. You expect the most reliable and durable industrial air movements products available, so we hold ourselves to a higher standard.

Made in the USA

### SPECIFICATIONS:

Sizes	12" - 60"
Material	Steel, 304SS, 316SS, Aluminum
Pressure Range	up to 10" s.p

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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



Transportation



Pulp and Paper

## FEATURES

### SERIES 03F

**Construction**— Continuously welded hot-rolled steel scroll and continuously welded steel inlet and outlet flanges. Motor base constructed of heavy gauge hot rolled steel. Supplied with inlet mounting adapter as standard.

**Rotation** — Clockwise and counterclockwise.

### SERIES 03P

**Performance** — Class II range up to 35,000 CFM; static pressure capabilities to 10" w.g.

**Bearings** — Heavy duty, self-aligning, ball or roller type, in cast iron pillow block housings, selected for long life at maximum Class II construction limits, and include extended lubrication fittings as standard.

### SERIES 03Q

**Construction** — Square mounting frames rather than a conventional scroll. Also available in stainless or aluminum.

**Motor Location** — Motors can be mounted on any side of the mounting frame.

### SERIES 03S

**Construction** — Heavy gauge hot rolled steel. Swingout door rotates on flange mount ball bearing units for easy access. Also available in stainless or aluminum.

**Rotation** — Clockwise or counterclockwise in four discharge positions (TH, BH, UB, DB).

**Finish** — Industrial grade powder coat enamel. Other special coatings available.

### SERIES 03U

**Fan Inlets and Outlets** — Straight inlet and outlet connections are provided for easy “slip-fit” connection to ducting. Optional drilled or undrilled outlet flanges are available.

**Rotation and Discharge** — Clockwise or counterclockwise rotation in all eight discharge positions.



## 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.*

Contact your Hartzell Air Movement representative to learn more about our Backward Curved Centrifugal Fans

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