



SALES SHEET | PRODUCT HIGHLIGHT

## FIBERGLASS IN-LINE CENTRIFUGAL FAN

### SERIES 40

The Fiberglass In-Line Centrifugal Fan offers non-overloading horsepower, high efficiency, low noise, and economy for corrosive atmospheres. It combines the design advantages of the axial flow fan with the pressure characteristics of the centrifugal fan. The “tubular centrifugal” (in-line) fan utilizes the Type FA backward-curved, airfoil-bladed wheel in a vane-equipped housing and produces straight airflow with the same inlet and discharge dimensions.

### THE BOLD DIFFERENCE:

#### BUILT LIKE A TANK

- Derakane 510 resin provides industry leading corrosion resistance and toughness
- L-10 bearing life of a minimum 50,000 hours
- Oversized shaft and bearings on belt drive units

#### HIGH END DESIGN

- Corrosion resistant fiberglass components made with the vinyl ester resin
- Many of the housing components are die formed, providing consistent performance
- Heavy-duty housing is extremely durable and highly resistant to impact

#### NO HASSLE MAINTENANCE

- Bearings have extended lube lines to the exterior of the housing
- All components accessible through weather covers
- UV resistant housing are standard and require no painting

### CLAIMS COMPETITORS CANNOT MAKE:

The only one-piece molded wheel in the industry

L-10 bearing life of a minimum 50,000 hours

## GOOD ENOUGH NEVER IS™

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

Made in the USA

### SPECIFICATIONS:

Size	12" - 60"
Material	Fiberglass
Pressure Range	0-12"
Performance	800 to 94,000 CFM at free air

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## Markets

*The Hartzell Fiberglass In-Line Centrifugal Fan is designed for a wide range of industry applications:*



Chemical



Food Processing



Heavy Industry



Pulp and Paper



Water and Wastewater

## FEATURES

**Fiberglass (FRP) Construction** - Standard fiberglass components are made of solid fiberglass consisting of corrosion resistant vinyl ester resin and glass fibers. Hartzell uses Derakane 510B for fan housings and Derakane 510A for the wheels. All nuts, bolts and fasteners in contact with the airstream are stainless steel and encapsulated with a minimum of 10-mil of resin and glass fibers. Resin has a Class I flame spread rate of 25 or less. External fiberglass housing surfaces are protected with a minimum 10-mil UV resistant resin coating. See corrosion resistance guide in Hartzell's Fan Engineering Data guide for resin characteristics. Other resins are available.

**Performance** — The type FA fiberglass airfoil wheel with inlet cone and housing with built in aerodynamically designed straightening vanes produces from 800 CFM to 90,000 CFM at pressures from free delivery to 12" W.G. at high efficiencies

**Arrangements** — Available as a belt drive unit and in arrangement 9.

**Temperature** — Suitable for temperatures up to 200°F.

**Application** — Developed for tight footprint corrosive applications where it is advantageous to have fiberglass materials and have the motor out of the airstream.

**Wheel Design** — High efficiency, solid fiberglass wheel built in one-piece using resin transfer mold process. This process insures consist and provides sealed, stronger joints. The tapered inlet rim and airfoil blade design efficiently moves large volumes of air at high pressures. The wheel has non-overloading horsepower characteristic curve.

**AMCA Certified** - Sound & Air Performance



### 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 the Fiberglass In-Line Centrifugal Fan

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