



SALES SHEET | PRODUCT HIGHLIGHT

## FIBERGLASS BACKWARD CURVED CENTRIFUGAL FAN

**SERIES 41, 41P, 41U**

The Series 41 Fiberglass Backward Curved Centrifugal Fan offers non-overloading horsepower characteristics, high efficiency, low noise and economy for corrosive atmospheres. The Series 41P Fan has the same airstream components as the Series 41 fan, in a compact packaged Class II design. The Series 41U Fan is a utility set version of the Series 41, with the motor mounted inside the drive base. It is available in SWSI (single width single inlet) only.

### THE BOLD DIFFERENCE:

#### BUILT LIKE A TANK

- Derakane 510 resin provides industry leading corrosion resistance and toughness
- Over-sized shafts and bearings provide long life and resistance to vibration
- Rigid bearing support structures

#### HIGH END DESIGN

- Corrosion resistant fiberglass components made with the vinyl ester resin
- Many of the housing components are die formed, providing consistent performance
- UV resistant housings are standard and require no painting

#### NO HASSLE MAINTENANCE

- Extended lubrication lines provide easy access for bearing lubrication
- Housings field rotatable to the eight standard discharge orientations
- All components accessible through weather covers and louver panels

### 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:

Sizes	12" - 60"
Material	Fiberglass
Pressure Range	8" - 30" sp
Performance	800 to 105,000 CFM at free air

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## Markets

The Hartzell Fiberglass Backwards Curved Fans are designed for a wide range of industry applications:



Chemical



Food Processing



Heavy Industry



Pulp and Paper



Water and Wastewater

### GENERAL FEATURES

**Fiberglass (FRP) Construction** - Standard fiberglass components are made of solid fiberglass consisting of corrosion resistant vinylester 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.

**Type FA Wheel** - One-piece solid fiberglass airfoil construction and produced using resin transfer mold process. Electronically balanced on unit at operating speed. Type FA fiberglass airfoil wheel with inlet cone and aerodynamically designed housing produces high efficiencies with non-overloading horsepower, and low noise.

**Temperature** — Suitable for temperatures up to 250°F

**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.*

### FEATURES

#### SERIES 41:

**Performance** — Produces from 800 CFM to 105,000 CFM at pressures from free delivery to 30" W.G. Available in 14 sizes from 12" to 60" wheels. Arrangements 1, 4, 8, 9, 9M, and 10. Fully rotatable housings up to size 36" standard.

#### SERIES 41P - PACKAGED UNIT:

**Performance** — Produces from 800 CFM to 32,000 CFM at pressures from free delivery to 12" W.G. at high efficiencies with non-overloading horsepower, and low noise. Available in 9 sizes from 12" to 36" wheels and a fully rotatable housing as standard.

#### SERIES 41U - UTILITY FAN:

**Performance** — Produces from 800 CFM to 10,500 CFM at pressures from free delivery to 6" W.G. at high efficiencies with non-overloading horsepower, and low noise. Available in 3 sizes: 12", 18", and 24".

### 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 Backwards Curved Fan

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