Hartzell Since 1875

AIR MOVEMENT

SALES SHEET | PRODUCT HIGHLIGHT

BIFURCATED FIBERGLASS DUCT AND DUCT AXIAL® FANS

SERIES 28B & 29B

Fiberglass Bifurcated Fans are designed and built to be used in a variety of corrosive applications. They can be installed in any position from vertical to horizontal and provide an excellent alternative to belt drive fans. Series 28B utilizes the type FW propeller for low pressure applications and Series 29B utilizes the type E propeller for medium pressure applications.

THE BOLD DIFFERENCE:

BUILT LIKE A TANK

- ☐ Toughest housing and propellers in the industry
- ☐ 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
- ☐ Motor body enclosed in aerodynamic tube and protected from the airstream
- ☐ UV resistant housings are standard and require no painting

NO HASSLE MAINTENANCE

- ☐ Easy access to motors with side openings
- ☐ Extended lubrication tubes and grease fittings
- ☐ Direct drive motors requires minimal periodic maintenance

SPECIFICATIONS:

Size	24” - 48”
Material	Fiberglass
Pressure Range	0-4.5” sp
Performance	6,000 to 46,000 CFM at free air

CLAIMS COMPETITORS CANNOT MAKE:

Solid one-piece molded propellers

L-10 bearing list 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 movements products available, so we hold ourselves to a higher standard.

Made in the USA

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Markets

The Hartzell Bifurcated Fiberglass Duct & Duct Axial® Fan is designed for a wide range of industry applications:

Chemical

Heavy Industry

Pulp and Paper

Water and Wastewater

FEATURES

Fiberglass (FRP) Construction — Standard fiberglass components are made of solid molded fiberglass consisting of corrosion resistant vinyl ester resin and glass fibers. All nuts, bolts and fasteners in contact with the airstream are stainless steel and encapsulated with fiberglass. 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.

Temperature — Suitable for temperatures up to 200°F (Specially insulated motors are required for temperatures above 104°F).

Shaft Seal — A neoprene, sandwich-type design seals the motor shaft at the inner tube.

Extended Lube Tubes — Extended lubrication tubes from the motor to the external duct surface of motor mounting tube.

Propellers — Solid one-piece molded fiberglass construction, electronically balanced on the unit at the operating speed to ensure vibration free operation.

Series 28B

– Sizes 24” to 48” – 6-blade, Type FW, low pressure

Series 29B

– Sizes 24” to 48” – 6-blade, Type E, medium pressure

Motor — Extended shaft, C-face, TEFC motors are standard. Mill and chemical duty motors are available. Contact factory for availability of other motor enclosures.

Motor Mount — C-face mounted, directly connected to prop with motor body enclosed in aerodynamic tube and protected from the airstream.

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 Bifurcated Fiberglass Duct & Duct Axial® Fan

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