



SALES SHEET | PRODUCT HIGHLIGHT

FIBERGLASS DUCT AXIAL®

DIRECT OR BELT DRIVE - SERIES 29, 29V, 35, & 35V

Hartzell's Fiberglass Duct Axial® Fans are engineered to be installed in duct systems for process ventilation applications in corrosive environments. Series 35 Fiberglass Duct Axial® Fans combine many of the best features of a rugged, highly efficient vaneaxial blower with the economical performance of the Hartzell Duct Fan. Duct axial fans provide maximum efficiency in the static pressure range from 1" to 4.5" at low speeds and with surprisingly low noise characteristics. The addition of a specially designed vane section to the Series 35 Fiberglass Duct Axial® Fan changes the design configuration to a duct vaneaxial Fan. The addition of the vane section to the discharge side of any duct axial fan makes it perform efficiently as a low-powered vaneaxial on the upper side of its pressure curve.

THE BOLD DIFFERENCE:

BUILT LIKE A TANK

- Corrosion-duty construction
- Heavy-duty, self-aligning, regreasable bearings on belt drive units
- Motor, shaft and bearing supports strategically placed for maximum stiffness

HIGH END DESIGN

- Fans are supplied with or without a guide vane section
- Motor can be placed inside or outside of the air
- All fiberglass components produced using various multiple molding technologies

NO HASSLE MAINTENANCE

- Extended lubrication tubes and grease fittings are standard
- Easy access to all components with gasketed bearing/shaft covers

CLAIMS COMPETITORS CANNOT MAKE:

Solid one-piece molded propellers

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 - 4.5" sp
Performance	600 to 65,000 CFM at free air



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Markets

The Hartzell Fiberglass Ductaxial® Fans are designed for a wide range of industry applications:



Chemical



Heavy Industry



Pulp and Paper



Water and Wastewater

GENERAL 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 for belt drive units and 104°F for direct drive units.

Propellers — Solid one-piece molded fiberglass construction, electronically balanced on the unit at the operating speed to ensure vibration free operation.
– Sizes 12” to 60”

Vane Section — The addition of the vane section to the discharge side of a duct axial fan makes it perform efficiently as a low pressure vaneaxial fan.

FEATURES

SERIES 29 & 29V

Motor — Mill/Chem duty motor is standard. Other motors available upon request.

SERIES 35 & 35V

Motor — Motors are exterior mounted, out of the airstream. The propeller shaft rotates in two heavy-duty bearings mounted on fiberglass supports taped to the inner shell. Totally enclosed motors are standard. Special motors are available upon request.

Corrosion-Duty Construction — Belts, bearings, sheaves and shaft are enclosed and protected from the airstream. The drive compartment is located on the negative pressure (suction) side of the propeller drawing in ambient air from outside the fan and over the belts and bearings. This ensures a contaminate free drive compartment.

AMCA Certified: 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 Ductaxial® Fan