



SALES SHEET | PRODUCT HIGHLIGHT

## DUCT AXIAL® FANS

SERIES 44, 44V, 46, 46V, 48, & 48V

Duct Axial® fans include propellers designed with higher hub-to-tip ratios, minimizing the backflow of air at higher pressures. They also incorporate a propeller design that does not include a stall characteristic. This allows the unit to respond to changing system characteristics without experiencing stall, vibration, and destructive consequences. These fans are in marine duty construction, however, this is not standard.

### THE BOLD DIFFERENCE:

#### BUILT LIKE A TANK

- All welded construction
- Single piece cast aluminum propellers
- Can be installed in any orientation from horizontal to vertical

#### HIGH END DESIGN

- Heavy 12 gauge to 1/4" metal construction
- Duct Axial® fans have performance no stall point
- AMCA Certified

#### NO HASSLE MAINTENANCE

- Direct drive units only require motor lubrication
- Belt drive units include riser bolt belt adjustment design
- Bolt-on guide vane sections are available for access to propeller

### CLAIMS COMPETITORS CANNOT MAKE:

Can perform from free air to full block off

ABS Certified

**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	Steel, 304SS, 316SS, Aluminum
Pressure Range	Up to 4" sp

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## Markets

The Hartzell Duct Axial® Fans are designed for a wide range of industry applications:



Chemical



Energy



Food Processing



Heavy Industry



Marine



Pulp and Paper



Water and Wastewater

## FEATURES

**Performance** — 1,200 CFM to 70,000 CFM.

**Static Pressure Capability** — Up to 4" W.G.

**Propellers** — 6-bladed airfoil design, cast aluminum with split taper bushing. Also available in fabricated steel for higher temperatures or 304 stainless for higher temperatures or corrosive atmospheres.

**Housing** — One-piece, heavy gauge hot rolled steel housing, with continuously welded steel drum and flanges. Also available in aluminum, 304SS, and 316SS housing.

### SERIES 48/48V:

**Rigid Motor Mounts** — Provide support for foot mounted motors. Designed for minimum resistance to the airflow.

### SERIES 46 & 46V:

**Bearings** — Heavy duty bearings with a minimum L-50 Life of 400,000 hours.

### SERIES 44 & 44V:

**Housing** — Extra heavy, with guide vane sections welded into exact position.

**Finish** — A marine duty inorganic zinc powder coating is available, applied to sand blasted steel housings and components with an epoxy coating applied to cast aluminum impellers.

**Motors** — Supplied with relubricable bearings include extended lubrication tubes and lubrication fitting guard as standard where required. Fractional HP and small motors are supplied with permanently lubricated bearings for maintenance free installation.



## 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 Duct Axial® Fans

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