



AIR MOVEMENT

SALES SHEET | PRODUCT HIGHLIGHT

ALUMINUM ADJUSTABLE PITCH FAN PROP ASSEMBLY

SERIES 89, 90, 90R, 90U, 91, & 92

Adjustable pitch prop assemblies are available in a wide variety of blade styles. They are used wherever large fans are needed, to move clean air at low pressures. Typical applications include heat exchangers, tunnel ventilation, and large warehouse ventilation. These assemblies provide infinitely adjustable blade angles, through the use of clamp blocks or U-bolts to secure the blades. Four or six bladed options are available to maximize efficiency across broad performance range.

THE BOLD DIFFERENCE:

BUILT LIKE A TANK

- Aluminum blades designed with a 3.5 safety factor on the endurance limit
- Hub assemblies are thick aluminum castings or steel weldments
- Tested for all blade resonances

HIGH END DESIGN

- Airfoil blades
- Reversible props provide 100% airflow in both directions
- Performance data is based on tests performed in an AMCA accredited lab

NO HASSLE MAINTENANCE

- Blade angle marking etched into the shank area
- Blade angle easily field adjustable
- Most are mounted using split taper bushings

CLAIMS COMPETITORS CANNOT MAKE:

Wildest range of blade styles available

Highest safety factors in the blade design

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	48" - 168"
Material	Steel, Aluminum
Pressure Range	up to 1.5" s.p

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Markets

The Hartzell Adjustable Pitch Fan Prop Assemblies are designed for a wide range of industry applications:



Chemical



Energy



Food Processing



Heavy Industry

FEATURES

SERIES 90 / 90U / 90R

Maximum Tip Speed — 15,000 FPM.

Airfoil Section — True effective airfoil designed to move a high volume of air at moderate static pressure.

Taper Lock Bushing — Provides effective locking to the drive shaft.

SERIES 89

Maximum Tip Speed — 15,000 FPM.

Split Taper Bushing — 84" and larger are furnished with split taper bushing as standard. Sizes 48" through 72" are furnished with clamp type bushing as standard.

SERIES 91

Maximum Tip Speed — 11,000 FPM.

Manual Adjustments — Angle changes in the field are easily performed by loosening the blade clamps at each blade shank and rotating the blade to correct angle.

Maximum Temperature — 200°F standard high temperature construction available for maximum of 300°F.

SERIES 92

Maximum Tip Speed — 15,000 FPM.

Blades — Wide blade design for high flow at very low speeds.



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 Adjustable Pitch Fan Prop Assemblies

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