Mission Statement

Our aim is to produce a range of the highest quality, best performing Constant Speed Propeller systems at a reasonable cost. Our goal is for the Airmaster name to be synonymous with: Quality, Performance, Technical Innovation and Value.

Money Back Guarantee

We place a lot of pride in the quality of our propellers and offer a money back guarantee of satisfaction in addition to the standard product warranty of two years. We are so confident that you will be pleased with the performance and quality of your Airmaster propeller, we are willing to fully refund the purchase price any time up to sixty days after delivery. This gives you complete buying protection and peace of mind.

Higher Performance for your Aircraft

Airmaster Propellers are setting new standards of performance and value in the light experimental aircraft market. By combining the best composite blade technology currently available, with a precise and reliable constant speed hub system, Airmaster is able to provide a unique performance enhancement to today’s modern aircraft.

Model AP420 shown for illustration purposes
Airmaster AC200 ‘SmartPitch’ Controllers

**Easy to Operate** with simple selection of engine speeds for TakeOff, Climb and Cruise.

**Product Features**

Each Airmaster propeller is crafted to the specific requirements of your aircraft and engine combination. We supply a full system incorporating CS hub, composite blades, CS governor, spinner, extensions, wiring and hardware.

- **Precise Speed Control** from modern electric ‘solid state’ governor.
- **Hold Speed** adjustable in flight to pilots requirements.
- **Flexible and Robust** with full manual override.
- **Advanced Functions** feathering capability is standard and reversing functions are available as an option for amphibious aircraft.
- **Instant Pilot Feedback** through clear indications informing the pilot of the propeller status.
- **Easy Installation** and maintenance due to removable blade cartridge.

**Electric Actuation** using a quality servo gearmotor

**Simple Set-up** with fully user adjustable pitch stops.

**Smooth Operation** from ‘precision pitch change’ mechanism ensuring low backlash and vibration free performance.

**Superior Strength** from fully machined, one piece hub.

**Blade Options AP433 / 431**

A wide range of high performing carbon composite blades using the industry standard 2.0in shank size are available.

- Aerodynamically advanced blade designs from Whirlwind Propellers Corp (USA). Efficient, quiet and light weight.
- Solid metal inlaid leading edge provides excellent protection against airborne water damage.
- Flexible design allows for clockwise and anti-clockwise rotation on tractor and pusher applications. Available for a range diameters and a variety of airspeeds.
- High gloss, natural carbon fibre finish gives good looks and a long life.

**Spinner Options**

High quality spun aluminium spinners, pre-cut and fitted in a choice of sizes and finishes of painted, polished, or matt for painting.

**Mounting Options**

Propeller extensions available in sizes 0.5in (12.5mm) up to 4in (100mm) to suit every engine and aircraft combination.
An Airmaster CS Propeller System will give you:
• Higher top speed
• Shorter take-off roll
• Quicker climb
• Steeper descent
• Quieter operation and lower pilot fatigue

Performance tests have shown up to:
• 33% shorter ground roll

Endorsements

Scott Ehni – Zenith 701
I love this prop! The three blade Airmaster propeller on our 701 is a major improvement to the utility of the aircraft. Better take-off / climb / cruise / fuel economy, plus reverse. You can’t get that for your UL350iS any other place but Airmaster.

Nick Otterback – Arion Aircraft LLC
To say the least I was very impressed with the prop. We exceeded all the number by a substantial amount over stock. The prop gives better braking effect on approach and the aircraft does not float with excess airspeed.

Peter Mickelson
We generally get off the runway about a third less than with the fixed pitch prop. I cannot hold the aircraft on the brakes at full throttle on the grass… this prop just drags the aircraft with the wheels locked!!

Jim Roberts – Rans S-6
I was impressed with the quality and completeness of the propeller package. Two full turns on the fine pitch adjustment cam and I was able to hit all the published RPM numbers.

Contact
Contact us today to discuss your unique requirements.

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