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.

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.

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.
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.

- Electric Actuation by quality Globe gearmotor (made in USA).
- Simple Set-up with fully user adjustable pitch stops.
  - Full feathering to reduce drag on stopped engine.
- Smooth Operation from ‘precision pitch change’ mechanism ensuring low backlash and vibration free performance.
- Superior Strength from fully machined, one piece hub.

Precise Speed Control from modern electric ‘solid state’ governor.

Flexible and Robust with full manual override.

Fully Automatic Feathering/Un-feathering functions available.

Hold Speed adjustable in flight to pilots requirements.

Easy Installation and maintenance due to removable blade cartridge.

Instant Pilot Feedback through clear indications informing the pilot of the propeller status.

Blade Options for AP430
Superior blade technology from Sensenich Propeller Co (USA).
- Solid stainless steel inlaid leading edge provides excellent protection against airborne water damage.
- Aerodynamically advanced ‘hollow composite’ blade design for high performance and low weight.
- Superb finish quality in high gloss white with red tip and black back.
- Multiple choice of blade profiles and diameters.

Easy Installation and maintenance due to removable blade cartridge.

Spinners 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.
### AP430 Specifications

<table>
<thead>
<tr>
<th>Power Capacity</th>
<th>Reduction gear driven, or 6-cylinder direct drive engines: <strong>120hp</strong> (89.5kW)</th>
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<tbody>
<tr>
<td>4-cylinder direct drive engines:</td>
<td><strong>120hp</strong> (89.5kW)</td>
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<tr>
<td>Maximum Speed</td>
<td>3300 rpm</td>
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<tr>
<td>Diameter</td>
<td>64in (1625mm) 68in (1727mm) 70in (1778mm)</td>
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<tr>
<td>Weight</td>
<td>On engine weight (hub, blades, spinner, sensor/brush block): <strong>25.3lb</strong> (11.5kg)</td>
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<td></td>
<td>In cockpit weight (automatic controller and cables): 0.6lb (0.3kg)</td>
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<td></td>
<td>Total Weight: 25.9lb (11.8kg)</td>
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<tr>
<td>To Fit Prop Flanges</td>
<td>Six hole pattern at 4in (101.6mm) PCD, with maximum OD of 5in (127mm). This includes:</td>
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<td>• ARP502 style.</td>
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<td></td>
<td>• 101.6mm PCD Rotax Flange (PN 837 28# series).</td>
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<td></td>
<td>• 125mm OD Jabiru Flange (PN 4525064 (standard) or PN 4610074 (2-inch extension)). Alternative flange may be supplied by Airmaster.</td>
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<td>Current Applications</td>
<td>Rotax 912, 912S and 914. Jabiru 2200 and 3300. Other Engines may be suitable; please inquire.</td>
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<tr>
<td>Controller Power</td>
<td>Voltage Supply: 10V - 16V DC (12V DC Nominal)</td>
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<td>Stand-by: 0.1A</td>
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<td>Cycling: 0.5 – 2.0 A</td>
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<td>Breaker: 3A</td>
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<td>Protection: Motor over-current, Reverse supply connection.</td>
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<td>Program Interface</td>
<td>USB / RS232 to PC.</td>
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<td>Speed Control</td>
<td>Take Off: Factory preset, may be customised with serial cable and PC.</td>
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<td></td>
<td>Climb: Factory preset, may be customised with serial cable and PC.</td>
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<td></td>
<td>Cruise: Factory preset, may be customised with serial cable and PC.</td>
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<td></td>
<td>Hold: May be set by pilot in flight with manual switch.</td>
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<td>Visual Indication</td>
<td>Fine stop, coarse stop, feather stop, fine running, coarse running, feather running, motor over-current, system open circuit, speed signal loss.</td>
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<tr>
<td>Installation</td>
<td>Controller fits standard 2-1/4&quot; instrument cut-out.</td>
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</tbody>
</table>

* dependent on blade choice

### Performance

An Airmaster CS Propeller System will give you:
- Higher top speed
- Shorter take-off roll
- Quicker climb
- Steeper descent
- Improved efficiency and flight range
- Quieter operation and lower pilot fatigue
- Safer flying
- Easy maintenance
- Complete backup from ‘the factory’ and a reseller network

Performance tests have shown up to:
- 33% shorter ground roll
- 10% better climb than fixed pitch prop
- 20% improvement in cruise and economy

### Endorsements

**Colin Marshall - Evektor Harmony**
The improvement in performance from the standard propeller on my last SportStar is amazing. I am getting an extra 10 Knots in cruise which is a big saving in fuel. Am I pleased I bought a Airmaster prop?  You bet!

**Owen Bartrop - Paradise P1**
The speed on the Paradise increased by 10 kts, and the fuel consumption decreased by about one litre per hour. I can highly recommend Airmaster and now would not fly with any other propeller.

**Peter Mickelson - Tecnam Sierra**
I cannot hold the aircraft on the brakes at full throttle on the grass… this prop just drags the aircraft with the wheels locked!

### Contact

Contact us today to discuss your unique requirements.

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