



## Trailblazer Homebuilt® Carbon Fiber Composite Technology for select Lycoming (I)O-360 & IO-390 engines for amateur-built applications



### 2 Bladed ASCII Composite Propeller

FAA Designee tested, vibrationally compatible with select 180, 200, 210 hp Lycoming engines. For use with counter-weighted and non-counter-weighted crankshaft engines. Multiple diameter units available. Hartzell's 8301 Trailblazer blade was specifically designed for low speed thrust, take-off, and climb performance.

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Aircraft Serial and registration numbers required when ordering  
All Prices FOB Hartzell Propeller Inc.  
Prices do not include Ohio State Sales Tax  
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2  
Internet: [www.hartzellprop.com](http://www.hartzellprop.com)

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## Trailblazer Homebuilt®

### Available Models:

#### Option 1:

83" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer  
C2RXXXXXEXTP  
HC-C2YR-1N/NG8301 propeller

#### Option 2:

80" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer  
C2RXXXXXEXTP  
HC-C2YR-1N/NG8301-3 propeller

#### Option 3:

78" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer  
C2RXXXXXEXTP  
HC-C2YR-1N/NG8301-5 propeller

#### Option 4:

76" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer  
C2RXXXXXEXTP  
HC-C2YR-1N/NG8301-7 propeller

### Compatible with:

a. (I)O360-()1()  
180 HP @ 2700 RPM  
No crankshaft counterweights  
Compression ratio 8.5:1 or less  
(Not compatible with Option 4)

b. (I)O360-()1()6  
180 or 200 HP @ 2700 RPM  
With crankshaft counterweights  
Compression ratio 8.9:1 or less

c. IO-390-A3()6  
210 HP @ 2700

**Specifications:** 2-bladed, aluminum hub, ASC II Composite Blades  
2400 hour / 6 year TBO  
43.0 pounds (propeller)

**Advantages:** No RPM limitations (yellow arc)  
Smoother idle  
Very light weight  
Most technologically advanced  
High durability and lowest life cycle cost

**Note 1:** Trailblazer Homebuilt® kits do not come with spinner assemblies or spinner mounting kits.

**Note 2:** Models are available for special order only. Contact Mike Trudeau at 937-778-4212 for details.