



# WHIRLWIND PROPELLERS

*Manufacturers of Composite Constant Speed Propellers*

Model Number: 400C  
Serial Number: 405  
Manufacture Date: 10/2004

## Owner's Manual

Rev/2004

200C/400C Series Aerobatic Propellers

WHIRL WIND PROPELLERS CORPORATION

1800 JOE CROSSON DRIVE, SUITE C

EL CAJON, CALIFORNIA 92020

619-562-3725

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 1800 Joe Crosson Drive, Suite C  
 El Cajon, CA 92020  
 PH 619-562-3725  
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# INVOICE

DATE	INVOICE NO.
11/5/2004	400C-405

<b>BILL TO</b>
Chuck Feemster PO Box 1467 Freedom, CA 95019

<b>SHIP TO</b>
Chuck Feemster 2672 Freedom Blvd Watsonville, CA 95076

P.O. NO.	TERMS	DUE DATE	REP	SHIP DATE	SHIP VIA	FOB
400C-405	Due when Done	11/5/2004	PPR	8/26/2004	Will Call	El Cajon, CA

ITEM	DESCRIPTION	QTY	RATE	AMOUNT
Series 400C Blade	Series 400C Blade Upgrade Diameter: 78" S/N: 400C-405 Aerobatic Counterweighted Customer Supplied Hub & Crate Paint Color: Black Blades w/ Yellow Tip Stripes	3	2,000.00	6,000.00T
Discount	Cash Discount Pick Up Via Will Call 12/3/04 California Sales Tax		-431.55 7.75%	-431.55 431.55

*PAID  
 12-3-04*

Thank you for your business!

**Total** \$6,000.00

**Payments/Credits** \$0.00

**Balance Due** \$6,000.00

Past Due Accounts Will Be Assessed a Finance Charge of 1%

# 400C Series Propeller Specifications

## General Description

The Whirl Wind 400C Series propeller is a three blade hydraulically controlled composite constant speed propeller system.

### Constant Speed Propeller

The setting of the engine RPM determines the pitch of the propeller. The RPM is held constant by the governor which maintains this preset RPM by varying the oil pressure automatically. Once an engine RPM is selected, it will be held constant at all flight airspeed and power settings. Mechanical stops for high and low pitch limit the pitch change travel.

### Blade Construction

The 400C Series blades are constructed from carbon composite materials. Each blade is equipped with a nickel leading edge which provides abrasion protection. This composite construction ensures a light weight propeller and smooth aircraft operation.

**Propeller and engine must be dynamically balanced prior to flight.**

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<b>WWPC Propeller Series:</b>	400C
<b>Registered Owner:</b>	Chuck Feemster
<b>Model:</b>	MT Hub (customer supplied)
<b>Propeller Serial Number:</b>	405
<b>Blade Serial Numbers:</b>	119, 120, 121
<b>Date of Mfg:</b>	10/04
<b>Diameter:</b>	78
<b>Function:</b>	Pressure to Decrease Pitch (counter wt)
<b>RPM Max:</b>	2700
<b>Weight:</b>	65 lbs.
<b>Pitch:</b>	High: 32.0    Low: 10.0 deg
<b>Flange bolt torque:</b>	65 ft-lbs
<b>Spinner:</b>	14 in. composite

Propeller Inspection Required Annually or after 200 hrs, whichever comes first. Propeller must be returned to Whirl Wind Propellers unless prior approval has been given.

**\*Avoid continuous operation between 2600 to 2700 RPM.**

**WARNING: Operation of this propeller over 2700 RPM is prohibited and will result in a structural failure of the propeller. Any type of structural failure may result in death or severe bodily injury. The Whirl Wind propeller is an experimental propeller, and does not comply with any Federal Aviation Administration regulations.**