



WHIRLWIND

PROPELLERS

Manufacturers of Composite
Constant Speed Propellers

450 Series Propeller Specifications

General Description

The Whirl wind 450 Series propeller is a four 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 composite blades are constructed from compressed hardwood veneers covered with a structural graphite skin. Each blade is equipped with a stainless steel leading edge which provides abrasion protection. This composite construction ensures a light weight propeller and smooth aircraft operation.

WWPC Series:	450
Registered Owner:	Kenneth Melvin
Model:	86M/450
Serial Number:	156
Date of Mfg:	1/2000
Diameter:	86 in
Function:	Standard
RPM Max:	2500
Weight:	82 lbs
Pitch:	
High	40 deg
Low	14 deg
Disassemble Inspection:	250 hrs

Propeller must be dynamically balanced prior to flight.

WARNING: Operation of this propeller over 2500 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 to any Federal Aviation Regulations.

Whirl Wind Propellers
Corporation
1860 Joe Crosson Dr.#J
El Cajon, CA 92020 PH
619-562-3725
FX 619-562-4475,
FX 619-562-4475

SHIPPER

DATE	SHIPPER #
10/28/1999	156

BILL TO
Fighter Escort Wings Ardmore Airpark #224 Ardmore, OK 73401 580-389-5452 ph 580-389-5451 fx

SHIP TO
Kenneth Melvin 12235 NW Bagley Road Hillsboro, OR 97124 503-639-3645

P.O. NO.	TERMS	SHIP DATE	SHIP VIA	PROJECT
156	Due Now	10/28/1999	CFS	

ITEM	QUANTITY	DESCRIPTION
Series 450 Shipping Box	1	450 Series 86M/450 S/N#156 Shipping container/crate

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FIGHTER ESCORT WINGS LTD.
F.E.W. / WHIRLWIND 500 SERIES 86" (4) BLADE PROP
(CONSTANT SPEED)

FACSIMILE MESSAGE

86" 500 SERIES PROP**LIST \$11600.00****F.E.W. PRICING****Deposit**

DONNIE BUCHANAN

\$10300.00**\$3100.00****Balance****\$7200.00**

(INCLUDING THE ONE)

Crating Fee**\$250.00****Final payment****\$7450.00***Subject: 86" 500 Series Prop**Dear Ken,**Following is the pricing sheet on the 500 Series Prop and the invoice for your deposit amount.**Best regards,***These props will be shipped F.O.B. freight collect from El Cajon, CA.***Donnie Buchanan
General Manager*

The hub's are machined from drawn aluminum alloy billet. Then heat treated, shot peened for fatigue resistance and then anodized. The internal mechanism is McCauley. The blades are constructed from maple veneer core, graphite skin, and stainless leading edge, painted black urethane.

10/28/98