



mt-propeller



Type of Aircraft: Piper PA-42/42-720
FAA STC: i.p.
EASA STC: A.S.03604
Aircraft TCDS: A23SO
Propeller TCDS: P27BO

Applicable Aircraft
 Piper PA-42 Cheyenne III
 Piper PA-42-720 Cheyenne IIIA
Engines
 PT6A-41, PT6A-61



STC Kit Contents

Two 4-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-16-1-E-C-F-R(P)/CFR230-37b
Two Full Composite Spinner (AFRP)	P-1090- ()
One Airplane Flight Manual Supplement	Doc. No. E-1670 (EASA + FAA)
One Installation Instruction	Doc. No. E-1671 (EASA + FAA)
One Instruction For Continued Airworthiness	Doc. No. E-1672 (EASA + FAA)
One Operation and Installation Manual	ATA 61-01-24 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-16-1-E-C-F-R(P)/CFR230-37b
Propeller Hub	MTV-16-1-E-C-F-R(P)
Blade	Milled single-piece aluminum hub
Blade Design	CFR230-37b
Installed Propeller & Spinner Weight & Deice	Scimitar, light-weight natural composite
Maximum Diameter	113 lbs each
Minimum Diameter	90.6 in.
TBO	89.8 in.
	According to SB 1 () latest issue

Replaces

3-Blade Hartzell Q Tip propellers
 4-Blade McCauley propellers

Advantages

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on nickel alloy leading edge for best erosion protection of the blades
- Enhanced take-off distance and Climb Performance (MTOW, ISA)
- Cruise performance increased with 1800 RPM by approx. 4 to 5 kts (Mid GW, ISA)
- Approx. 60 lbs less weight than the original propellers
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Significant inside and outside noise reductions
- Noise level is below 80 dB(A) according to ICAO Annex 16 Chapter 10
- Cabin noise is reduced by 4 to 6 dB(A)

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