



mt-propeller



Type of Aircraft: Cessna 206
FAA STC: i.p.
EASA STC: 10029676
EASA Aircraft TCDS: IM.A.053
LBA Prop TCDS: 32.130/103
FAA Aircraft TCDS: A4CE
FAA Prop TCDS: P26BO

Applicable Aircrafts

206H, T206H

Engines

Rolls-Royce 250-B17F/2 Series



STC Kit Contents

One 5-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-5-1-D-C-F-R(A)/CFR210-56
One Full Composite Spinner (AFRP)	P-925-B ()
One Full Composite Spinner (AFRP)	P-629-B () with modified cowling by Soloy
One Master Document List	Doc. No. E-1829
One Airplane Flight Manual Supplement	Doc. No. E-1830
One Installation Instruction	Doc. No. E-1831
One Instruction For Continued Airworthiness	Doc. No. E-1832
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-5-1-D-C-F-R(A)/CFR210-56
Propeller Hub	MTV-5-1-D-C-F-R(A)
Blade	Milled single-piece aluminum hub
Blade Design	CFR210-56
Installed Propeller & Spinner Weight	Scimitar, light-weight natural composite
Maximum Diameter	50.1 kg (110.5 lbs)
Minimum Diameter	82.7 in.
TBO	80.7 in.
	Currently 2000 hrs / 72 month (whichever occurs first), Target TBO is 3000 hrs

Replaces

3-Blade Hartzell HC-B3TF-7A/T10173FN(K)-11R aluminum propeller

Advantages

(Performance data are based on MTOW, ISA)

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades
- No engine modifications
- Ground roll & takeoff distance over 50 ft obstacle is reduced by approx. 90 m (295 ft)
- Climb performance slightly improved
- Very smooth cruising - no speed penalty
- Approx. 6 kg (31 lbs) less weight than the original 3-blade metal propeller
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Significant inside and outside noise reductions
- Complies with strict German noise regulations 2010

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