



mt-propeller



Type of Aircraft: PC-12 Series
FAA STC: SA02742NY
EASA STC: A.S.03217
EASA Aircraft TCDS: A.089
EASA Prop TCDS: P.104
FAA Aircraft TCDS: A78EU
FAA Prop TCDS: P22BO

Applicable Aircrafts
 PC-12, PC-12/45, PC-12/47, PC-12/47E
 Engines
 P&WC PT6A-67B, P&WC PT6A-67P



STC Kit Contents

One 5-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-27-1-N-C-F-R(P)/CFR260-65a
One Full Composite Spinner (AFRP)	P-1059-()
One Master Document List	Doc. No. E-1631
One Airplane Flight Manual Supplement	Doc. No. E-1623
One Installation Instruction	Doc. No. E-1624
One Instruction For Continued Airworthiness	Doc. No. E-1625
One Operation and Installation Manual	ATA 61-01-24 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-N-C-F-R(P)/CFR260-65a
Propeller Hub	MTV-27-1-N-C-F-R(P)
Blade	Milled single-piece aluminum hub
Blade Design	CFR260-65a
Installed Propeller & Spinner Weight	Scimitar, light-weight natural composite
Maximum Diameter	172.6 lbs
Minimum Diameter	102.4 in.
TBO	101.2 in.
	Currently 1500 hrs / 72 month (whichever occurs first), Target TBO is 3000 hrs

Replaces

4-Blade Hartzell HC-E4A-3D/E10477K aluminum propeller (Diameter: 105.1 in.)

Advantages

(Performance data are based on MTOW, ISA)

- Best vibration dampening 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 distance reduced by approx. 15%
- Take-off distance over 50 ft obstacle reduced by approx. 5%
- Climb performance slightly improved
- Cruise performance improved by up to 5 kts versus the PC-12 POH/AFM
- Approx. 4 lbs less weight than the original metal propeller
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Significant inside and outside noise reductions
- Aircraft noise level is about 4 dB(A) less than with the original metal propeller
- Cabin noise is reduced by 3 to 4 dB(A) depending on location

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