



# mt-propeller



**Type of Aircraft:** SA26-AT  
**FAA STC:** SA02782CH  
**EASA STC:** A.S.03603  
**FAA Aircraft TCDS:** A5SW  
**FAA Propeller** P22BO  
**TCDS:**

#### Applicable Aircrafts

M7 Aerospace LP Model SA26-AT  
 (Merlin 2B)

#### Engines

TPE331-1-151G,  
 TPE331-1-151G modified per FAA STC  
 SE383CH

#### STC Kit Contents

Two 5-Blade Reversing and Full Feathering  
 Constant Speed Propeller  
 Two Full Composite Spinner (AFRP)  
 One Airplane Flight Manual Supplement  
 One Installation Instruction  
 One Instruction For Continued Airworthiness  
 One Operation and Installation Manual

#### Propeller Specifications

Full Propeller Designation  
 Propeller Hub

Blade  
 Blade Design  
 Installed Propeller & Spinner Weight  
 Maximum Diameter  
 Minimum Diameter  
 TBO



MTV-27-1-E-C-F-R(G)/CFR210-58d

P-898- ( )  
 EASA Doc. No. E-1664, FAA No. E-1743  
 EASA Doc. No. E-1665, FAA No. E-1744  
 EASA Doc. No. E-1666, FAA No. E-1745  
 ATA 61-06-10 (E-610)

MTV-27-1-E-C-F-R(G)/CFR210-58d

MTV-27-1-E-C-F-R(G)

Milled single-piece aluminum hub  
 CFR210-58d

Scimitar, light-weight natural composite

260 lbs

82.7 in.

81.9 in.

Currently 1500 hrs / 72 month (whichever  
 occurs first), Target TBO is 3000 hrs

#### Replaces

3-Blade Hartzell HC-B3TN-5( )/T10178( )-13R propellers (Diameter: 88.4 in.)

#### Advantages

(Performance data are based on MTOW, SL, 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 (no cam or beta tube change)
- Reduced ground roll and take-off distance
- Improved two engine and single engine climb performance
- Cruise performance slightly improved by up to 5 kts
- Approx. 16 lbs less weight than the original metal propellers
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Significant inside and outside noise reductions
- Aircraft noise level is about 5 dB(A) less than with the original metal propellers
- Cabin noise is reduced by 3 to 4 dB(A) depending on location

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