



mt-propeller



Type of Aircraft: PA-42-1000
FAA STC #: SA03487AT
EASA STC #: A.S.02480
Aircraft TCDS #: A23SO
Propeller TCDS #: P27BO

Applicable Aircraft
 Piper PA-42-1000 (Cheyenne 400LS)
Engines
 Honeywell
 TPE331-14A/B



STC Kit Contents

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

MTV-27-1-E-C-F-R(G)/CFR(L)250-103

P-1006

Doc. No. E-1410 (EASA), E-1473 (FAA)

Doc. No. E-1411 (EASA), E-1474 (FAA)

Doc. No. E-1412 (EASA), E-1475 (FAA)

ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation (right)
 Full Propeller Designation (left)
 Propeller Hub

MTV-27-1-E-C-F-R(G)/CFRL250-103

MTV-27-1-E-C-F-R(G)/CFR250-103

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

Milled single-piece aluminum hub

CFRL250-103

CFR250-103

Scimitar, light-weight natural composite

329 lbs

98.4 in.

98.4 in.

Initially 1500 hrs / 72 month (whichever occurs first), will be extended to 3000 hrs

Options

Full Composite Spinner (AFRP) painted in silver

Replaces

4-Blade Dowty RotoL R341/4-123-F/9, R339/4-123-F/8

Advantages

- Best vibration dampening characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades
- Take-off distance over 50 ft obstacle reduced by approx. 5% (SL, ISA, MTOW)
- Enhanced climb by approx. 3% (SL, ISA conditions, MTOW) increasing by altitude
- Enhanced cruising speeds by approx. 5 kts + (ISA, FL250, 11500 lbs GW)
- Approx. 52 lbs less total weight than the original propellers
- Unlimited blade life
- Significant inside and outside noise reductions, jet aircraft feeling
- FOD repairable blades

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