



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	MTV-27-1-E-C-F-R(G)/CFR(L)250-103
Two Full Composite Spinner (AFRP)	P-1006
One AFM Supplement	Doc. No. E-1410 (EASA), E-1473 (FAA)
One Installation Instruction	Doc. No. E-1411 (EASA), E-1474 (FAA)
One Instruction For Continued Airworthiness	Doc. No. E-1412 (EASA), E-1475 (FAA)
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation (right)	MTV-27-1-E-C-F-R(G)/CFRL250-103
Full Propeller Designation (left)	MTV-27-1-E-C-F-R(G)/CFR250-103
Propeller Hub	MTV-27-1-E-C-F-R(G)
	Milled single-piece aluminum hub
Blade (right wing, ccw rotation)	CFRL250-103
Blade (left wing, cw rotation)	CFR250-103
Blade Design	Scimitar, light-weight natural composite
Installed Propellers & Spinner Total Weight	329 lbs
Maximum Diameter	98.4 in.
Minimum Diameter	98.4 in.
TBO	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 RotoI R341/4-123-F/9, R339/4-123-F/8

Advantages

- Best vibration damping 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

MT-Propeller Entwicklung GmbH
 Flugplatzstr. 1
 94348 Atting / Germany
 #FL-027

Phone: +49 (0) 9429 9409 0
 Fax: +49 (0) 9429 8432
 sales@mt-propeller.com

MT-Propeller USA, Inc.
 1180 Airport Terminal Drive
 DeLand, Florida 32724

Phone: (386) 736-7762
 Fax: (386) 736-7696
 info@mt-propellerusa.com