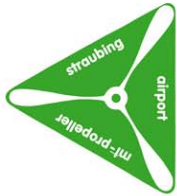


Q F J - Propeller for the PA-31T, T1, T2 - Quiet Fan Jet Propeller Series -

Flyer No.: FL-053



mt-propeller



Type of Aircraft: PA-31T, T1, T2
FAA STC: SA03249NY
EASA STC: 10038174
FAA Aircraft TCDS: A8EA
FAA / EASA Prop TCDS: P22BO / P.104



Applicable Aircrafts

Piper Models:
PA-31T (Cheyenne II),
PA-31T1 (Cheyenne 1, 1A),
PA-31T2 (Cheyenne IIXL)

Engines

P&WC PT6A-11, -28, -135(*), -135A(*)
(* Blackhawk Modifications per FAA STC
No. SA00863SE

STC Kit Contents

Two 5-Blade Full Feathering Constant Speed Reversible Propellers	MTV-27-1-E-C-F-R(P)/CFR210-58d
Two Full Composite Spinners (AFRP) or Polished Aluminum Spinners	P-1197-()
One Airplane Flight Manual Supplement	Doc. No. E-1932
One Installation Instruction	Doc. No. E-1933
One Instruction For Continued Airworthiness	Doc. No. E-1934
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(P)/CFR210-58d
Propeller Hub	MTV-27-1-E-C-F-R(P) Milled single-piece aluminum hub CFR210-58d
Blade	Scimitar, light-weight natural composite
Blade Design	Electro-thermal de-ice boots
Propeller De-Ice	137.1 lbs (propeller with de-ice)
Weight of one installed propeller	82.7 in.
Maximum Diameter	82.7 in.
Minimum Diameter	According to SB 1 () latest issue
TBO	

Replaces

3-Blade and 4-blade Hartzell and McCauley propellers

Advantages (Performance data are based on MTOW, ISA)

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on nickel alloy leading edge for superior erosion protection of the blades
- General performance improvement (5% take-off & climb, 3 kts cruise with 1900 rpm)
- No propeller speed restrictions on ground while operating in low idle
- Unlimited blade life and FOD repairable blades
- More ground clearance => less FODs
- Unbeatable esthetic ramp appeal
- Significant cabin noise and vibration reduction
- All models comply with the strict German noise regulations 2010– „Landeplatz Lärmschutz Verordnung“ for unrestricted airport operations in Germany and other European Countries.

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

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