

# 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.

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