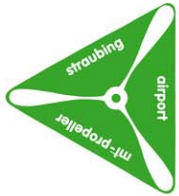


Q F J - Propeller for the Piper PA-46-500TP - Quiet Fan Jet Propeller Series -

Flyer No.: FL-071



mt-propeller



Type of Aircraft: PA-46-500TP
FAA STC: SA03446NY
EASA STC: 10047226
FAA / EASA Aircraft TCDS: A25SO / IM.A.077
FAA / EASA Propeller TCDS: P22BO / P.104

Applicable Aircrafts

Piper Meridian
PA-46-500TP

Engines

P&WC PT6A-42A

STC Kit Contents

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

MTV-27-1-E-C-F-R(P)/CFR203-58d

P-1228- ()

Doc. No. E-2168

Doc. No. E-2169

Doc. No. E-2170

ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation
Propeller Hub

MTV-27-1-E-C-F-R(P)/ CFR203-58d

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

Milled single-piece aluminum hub

CFR203-58d

Scimitar, light-weight natural composite

Electro-thermal de-ice boots

64,4 kg – 142 lbs

2,03 m – 79,92 in

According to SB 1 () latest issue

Blade
Blade Design
Propeller De-Ice
Installed Propeller & Spinner Weight
Diameter
TBO

Replaces

4-Blade Hartzell propeller

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 best erosion protection of the blades;
- General performance improvement (10% shorter take-off distance, 4% better climb Performance, 3 kts faster in cruise);
- Approx. 3 lbs less weight than the original metal propeller;
- Cooler ITT on ground with condition lever at low and high idle position;
- No propeller speed restrictions on ground while operating in low idle, possibility to reduce Ng to 57% for better ground handling;
- Unlimited blade life;
- More ground clearance => less FODs;
- FOD repairable blades;
- 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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