

Q F J - Propeller for the TBM700/850

- Quiet Fan Jet Propeller Series -

Flyer No.: FL-051



mt-propeller



Type of Aircraft: TBM700 / 850
FAA STC: SA02958NY
EASA STC: 10033038 R1
ANAC STC: 2012S07-07
FAA / EASA Aircraft TCDS: A60EU / EASA.A.10
FAA / EASA Propeller TCDS: P22BO / P.104

Applicable Aircrafts

Socata Models:
TBM 700 A, 700 B, 700 C1, 700 C2, 700 N

Engines

P&WC PT6A-64, -66D

STC Kit Contents

One 5-Blade Full Feathering Constant Speed Propeller	MTV-27-1-E-C-F-R(P)/CFR225-55f
One Full Composite Spinner (AFRP)	P-1228-()
One Airplane Flight Manual Supplement	Doc. No. E-1878
One Installation Instruction	Doc. No. E-1879
One Instruction For Continued Airworthiness	Doc. No. E-1880
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(P)/CFR225-55f
Propeller Hub	MTV-27-1-E-C-F-R(P)
Blade	Milled single-piece aluminum hub
Blade Design	CFR225-55f
Propeller De-Ice	Scimitar, light-weight natural composite
Installed Propeller & Spinner Weight	Electro-thermal de-ice boots
Maximum Diameter	146.6 lbs (propeller with de-ice)
Minimum Diameter	88.6 in.
TBO	86.6 in.
	According to SB 1 () latest issue

Replaces

4-Blade Hartzell HC-E4N-3()/E9083S(K) 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 (5% take-off & climb, 3-5 kts cruise with 1800 rpm)
- Same weight than the original 4-blade 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
- 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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