

Q F J - Propeller for the SA 226

Flyer No.: FL-098
Date: February 15, 2022

- Quiet Fan Jet Propeller Series -



mt-propeller



Type of Aircraft: SA226 series
FAA STC: SA04143NY
EASA STC: 10062183 R1
TCCA STC: Letter of Acceptance
FAA Aircraft TCDS: A5SW, A8SW,
Applicable Aircrafts:
Type: SA26, SA226/SA227 (A5SW)
SA226, SA227 (A8SW)
Models: SA226-AT, SA226-T,
SA226-TC, SA226-TC (SFAR41)



Engines

TPE331-3U(-), TPE331-3UW(-) or
TPE331-10UA(-) or any TPE331(-) installed per
approved STCS.

STC Kit Contents

Two 5-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-27-1-E-C-F-R(G)/CFR235-55a
Two Full Composite Spinner (AFRP)	P-1096-1
One Airplane Flight Manual Supplement	Doc. No. E-3047
One Installation Instruction	Doc. No. E-3048
One Instruction For Continued Airworthiness	Doc. No. E-3049
One Operation and Installation Manual	Doc. No. E-3046

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(G)/CFR235-55a
Propeller Hub	MTV-27-1-E-C-F-R(G) Milled single-piece aluminum hub CFR235-55a
Blade	Scimitar, light-weight natural composite
Blade Design	67,2 kg (148.2 lbs) per propeller
Installed Propeller & Spinner Weight	235 cm (92.5 inch)
Maximum Diameter	230 cm (90.6 inch)
Minimum Diameter	No cut off allowed if Nickel alloy erosion sheath is installed! According to SB 1 () latest issue
TBO	

Replaces

3-and 4-blade Hartzell 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 best erosion protection of the blades!
- No engine modifications (no cam or beta tube change)!
- Ground roll distance reduced by approx. 30 m (98 ft)!
- Two engine and single engine climb performance slightly improved by up to 100 ft/min!
- Cruise performance slightly improved by up to 4 kts!
- Same weight of MT 5-blade natural composite propeller compared to original 3-blade metal propeller and 30 lbs lighter than the 4-blade metal prop!
- Unlimited blade life, FOD repairable blades!
- More ground clearance for less FODs!
- Significant inside and outside noise reductions!
- Cabin noise is reduced by 3 to 5 dB(A) depending on location!
- Cooler ITTS during engine start up due to a shorter starting time of 1/3!

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