

Q F J - Propeller for the SA226 /SA227

Flyer No.: FL-042
14 May 2018

- Quiet Fan Jet Propeller Series -



mt-propeller



Type of Aircraft: SA226/SA227
FAA STC: A03893AT
EASA STC: 10015216
TCCA Acceptance: For all models received
FAA Aircraft TCDS: A8SW, A5SW, A18SW

Applicable Aircrafts

SA226-T(B),
SA227-TT, -AC -AT, -CC,-BC, -DC

Engines

TPE331-10U-(), TPE331-11U-(),
TPE331-12UA-(), TPE331-12UAR-(), TPE331-12-UHR-()

STC Kit Contents

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

Propeller Specifications

Full Propeller Designation
Propeller Hub

Blade
Blade Design
Installed Propeller & Spinner Weight
Maximum Diameter
Minimum Diameter
TBO



MTV-27-1-E-C-F-R(G)/CFRL250-103
MTV-27-1-E-C-F-R(G)
Milled single-piece aluminum hub
CFRL250-103
Scimitar, light-weight natural composite
308.6 lbs
98.4 in.
98.4 in.
According to SB 1 () latest issue

Replaces

4-Blade Dowty Rotol and 4-Blade McCauley and 4-blade Hartzell propellers
(Diameter: 106 in.)

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. 50 m (165 ft)!
 - Take-off distance over 50 ft obstacle reduced by approx. 80 m (260 ft)!
 - Two engine and single engine climb performance slightly improved by up to 80 ft/min!
 - Cruise performance slightly improved by up to 2 kts!
 - Approx. 20 lbs less weight than the removed original McCauley Propeller and
 - Approx. 65 lbs less weight than the Dowty Rotol Propeller!
 - Unlimited blade life, FOD repairable blades!
 - More ground clearance for less FODs!
 - Significant inside and outside noise reductions!
 - Aircraft noise level is about 5 dB(A) less than with the original metal propellers!
 - Cabin noise is reduced by 3 to 4 dB(A) depending on location!
 - Cooler ITTS during engine start up due to a shorter starting time of 1/3!

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