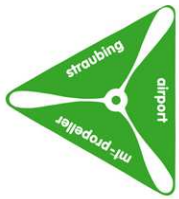


# Q F J - Propeller for the SA226 /SA227

## - Quiet Fan Jet Propeller Series -

Flyer No.: FL-042



# 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 Roto1 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. 65 lbs less weight than the original metal propellers
- 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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