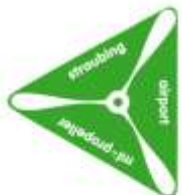


# Q F J - Propeller for the PC-12 series

## - Quiet Fan Jet Propeller Series -

Flyer No.: FL-043  
July 21, 2020



# mt-propeller



**Type of Aircraft:** PC-12 Series  
**FAA STC:** SA02742NY  
**EASA STC** 10014953 R3  
**EASA Aircraft TCDS:** A.089  
**EASA Prop TCDS:** P.104  
**FAA Aircraft TCDS:** A78EU  
**FAA Prop TCDS:** P22BO

Applicable Aircrafts:  
PC-12, PC-12/45, PC-12/47, PC-12/47E

Engines:  
P&W PT6A-67B, P&W PT6A-67P

**Note: PT6A-67P Engine Installation according to EASA STC 10065179 (FAA STC SA02266LA) only applicable in EASA region**



### STC Kit Contents

One 5-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-27-1-N-C-F-R(P)/CFR260-65a
One Full Composite Spinner or Polished Aluminum Spinner	P-1059
One Master Operation Manual List	Doc. No. E-3536
One Airplane Flight Manual Supplement	Doc. No. E-1823
One Installation Instruction	Doc. No. E-1824
One Instruction For Continued Airworthiness	Doc. No. E-1825
One Operation and Installation Manual	ATA 61-00-83 (E-1083)

### Propeller Specifications

Full Propeller Designation	MTV-27-1-N-C-F-R(P)/CFR260-65a
Propeller Hub	MTV-27-1-N-C-F-R(P)
Blade	Milled single-piece aluminum hub CFR260-65a
Blade Design	Scimitar, light-weight natural composite
Installed Propeller & Spinner Weight	78 kg (172.6 lbs)
Maximum Diameter	260 cm (102.4 inch).
Minimum Diameter	258 cm, (101,2 inch)
TBO	According to SB 1 ( ) latest issue

### Replaces

4-Blade Hartzell HC-E4A-3D/E10477K aluminum propeller (Diameter: 105.1 in.)

### Advantages

(Performance data are based on MTOW, ISA)

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on nickel alloy for best erosion protection of the blades
- No engine modifications
- Ground roll distance reduced by approx. 15%
- Take-off distance over 50 ft obstacle reduced by approx. 5%
- Climb performance improved
- Cruise performance improved by up to 5 kts versus the PC-12 POH/AFM
- Approx. 4 lbs less weight than the original metal propeller
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Significant inside and outside noise reductions
- Aircraft noise level is about 4 dB(A) less than with the original metal propeller
- Cabin noise is reduced by 6 to 7 dB(A) depending on location

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