

Q F J - Propeller for the Kodiak

- Quiet Fan Jet Propeller Series -

Flyer No.: FL-107
July 20,2020



mt-propeller



Type of Aircraft: Kodiak
FAA STC: SA04450NY
EASA STC: 10069627
FAA Aircraft TCDS: A00007SE
EASA Aircraft TCDS: EASA.IM.A.632
EASA / FAA Propeller TCDS: P.104 / P22BO
TCCA Acceptance: 510-O-20-0070



Applicable Aircrafts

Quest Aircraft Design LLC
Type: Kodiak 100 Series /
Model: Kodiak 100

Engine

Pratt & Whitney PT6A-34 Engine

STC Kit Contents

One 5-Blade Full Feathering Constant Speed Counterweighted Reversible Propeller	MTV-27-1-E-C-F-R(P)/CFR240-55()
One Full Composite Spinner (AFRP) or Polished Aluminum Spinner	P-1283-6
One Airplane Flight Manual Supplement	Doc. No. E-3115
One Installation Instruction	Doc. No. E-3116
One Instruction For Continued Airworthiness	Doc. No. E-3117
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(P)/CFR240-55()
Propeller Hub	MTV-27-1-E-C-F-R(P) Milled single-piece aluminum hub CFR240-55()
Blade	Scimitar, light-weight natural composite
Blade Design	TKS Ice Protection System
Propeller De-Ice	69,9 kg (154,1 lbs) propeller with de-ice
Weight of one installed propeller with Spinner:	
Diameter	240 cm (94,5 inch)
TBO	According to SB 1 () latest issue

Replaces

Removes the original Hartzell propellers and the appropriate spinners

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 superior erosion protection of the blades!
- Take-Off improvement by 20%!
- No propeller speed restrictions on ground while operating in low idle!
- Unlimited blade life and FOD repairable blades!
- More ground clearance => less FODs!
- Lower ITTs during start-up for less engine wear!
- Unbeatable esthetic ramp appeal!
- Significant cabin noise [up to 5 dB(A)]and vibration reduction!
- Comply with the strict German noise regulations 2010 - „Landeplatz Lärmschutz Verordnung“ for unrestricted airport operations in Germany and other European Countries!
- Max. RPM reduction to 2000 RPM with increased torque for 750 shp!

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