

Q F J - Propeller for the Jetstream 31/32

- Quiet Fan Jet Propeller Series -

Flyer No.: FL-044



mt-propeller



Type of Aircraft: Jetstream 31/32
FAA STC: i.p.
EASA STC: 10027439
TCCA Acceptance: received
EASA Aircraft TCDS: A.191
FAA Aircraft TCDS: A21EU, A56EU
FAA / EASA P22BO / P.104
Propeller TCDS:



Applicable Aircrafts
BAE Systems Jetstream 3100 & 3200 Series
Engines
TPE331-10UF-51()H, -10UR-51()H, -10UG-51()H, -10UGR-51()
TPE331-12UA-71()H, -12UAR-71()H, -12UHR-71()H

STC Kit Contents

Two 5-Blade Reversing and Full Feathering Constant Speed Propeller
Two Full Composite Spinner (AFRP)
One Master Document List
One Airplane Flight Manual Supplement
One Installation Instruction
One Instruction For Continued Airworthiness
One Operation and Installation Manual
One Supplement to MOM Part 1
One Supplement to MOM Part 2

MTV-27-1-E-C-F-R(G)/CFRL250-103
P-1096-()
Doc. No. E-1764 (EASA)
Doc. No. E-1765 (EASA)
Doc. No. E-1766 (EASA)
Doc. No. E-1767 (EASA)
ATA 61-06-10 (E-610)
Doc. No. E-1797 (EASA)
Doc. No. E-1798 (EASA)

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 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. 130 m
- Take-off distance over 50 ft obstacle reduced by approx. 100 m
- Two engine and single engine climb performance slightly improved by up to 80 ft/min
- High Speed Cruise is slightly improved by up to 4 kts (15000 ft, ISA, 14500 lbs)
- Approx. 65 lbs less weight than the original metal propellers
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Significant inside and outside noise reductions
- Aircraft noise level is about 3 dB(A) less than with the original metal propellers
- Cabin noise is reduced by 3 to 4 dB(A) depending on location

MT-Propeller Entwicklung GmbH
Flugplatzstr. 1
94348 Atting / Germany

Phone: +49 (0) 9429 9409 0
Fax: +49 (0) 9429 8432
sales@mt-propeller.com

MT-Propeller USA, Inc.
1180 Airport Terminal Drive
DeLand, Florida 32724

Phone: (386) 736-7762
Fax: (386) 736-7696
info@mt-propellerusa.com