

Q F J - Propeller for the Shorts SC-7

- Quiet Fan Jet Propeller Series -

Flyer No.: FL-024
February 07, 2022



mt-propeller



Type of Aircraft: Shorts SC-7
FAA STC #: SA03228AT
EASA/LBA STC #: SA1415
Aircraft TCDS #: A15EU
Propeller TCDS #: P22BO

Applicable Aircraft

Short Brothers SC-7 Series 3

Engines

Honeywell TPE331-2-201A with and without
FAA STC SE383CH or

Honeywell TPE331-6-252T (FAA STC only)



STC Kit Contents

Two 5-Blade Reversing and Full Feathering
Constant Speed Propellers

Two Full Composite Spinner (AFRP)

One Airplane Flight Manual Supplement

One Installation Instruction

One Instruction for Continued Airworthiness

One Operation and Installation Manual

MTV-27-1-E-C-F-R(G)/CFR235-55

P-898

Doc. No. E-1294

Doc. No. E-1301

Doc. No. E-1302

ATA 61-10-06 (E-610)

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)/CFR235-55

MTV-27-1-E-C-F-R(G)

Milled single-piece aluminum hub

CFR235-55

Scimitar, light-weight natural composite

137 lbs each

92.5 in.

92.5 in.

According to SB 1 () latest issue

Replaces

3-Blade Hartzell HC-3BTN-5C/T10282HB

Advantages

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on nickel alloy leading edge for best erosion protection of the blades
- Shorter take-off distance by approx. -3 % (SL, ISA conditions)
- Enhanced climb performance by approx. 10 % (SL, ISA conditions)
- Cruise performance remains unchanged
- Approx. 10 lbs less weight than the original propellers
- Unlimited blade life
- FOD repairable blades
- Significant inside and outside noise reductions
- MT-Propeller modification also includes SC-7s modified with FAA STC SA2458CH
- Quicker engine start, reduced ITT / EGT during engine start

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