

STC – DATA v3.1
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 w/ and w/o
 FAA STC SE383CH or Honeywell TPE331-6-252T
 (FAA STC only)



Shorts SC-7 with 5-blade MTV-27

STC Kit Contents

Two 5-Blade Reversing and Full Feathering Constant Speed Propellers	MTV-27-1-E-C-F-R(G)/CFR235-55
Two Full Composite Spinner (AFRP)	P-898
One Airplane Flight Manual Supplement	Doc. No. E-1294
One Installation Instruction	Doc. No. E-1301
One Instruction for Continued Airworthiness	Doc. No. E-1302
One Operation and Installation Manual	ATA 61-10-06 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(G)/CFR235-55
Propeller Hub	MTV-27-1-E-C-F-R(G) Milled single-piece aluminum hub
Blade	CFR235-55
Blade Design	Scimitar, light-weight natural composite
Installed Propeller & Spinner Weight	137 lbs each
Maximum Diameter	92.5 in.
Minimum Diameter	92.5 in.
TBO	According to SB 1 () latest issue

Options HiGlo® Full Composite Spinner (AFRP) with chrome finish

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