



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
Garrett TPE331-2-201A
with and without FAA
STC SE383CH



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)
Blade	Milled single-piece aluminum hub
Blade Design	CFR235-55
Installed Propeller & Spinner Weight	Scimitar, light-weight natural composite
Maximum Diameter	137 lbs each
Minimum Diameter	92.5 in.
TBO	92.5 in.
	1500 hrs / 72 month (whichever occurs first)

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 stainless steel 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

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

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www.mt-propeller.com

Certified FAA Repair Station No. Q4MR908Y