



mt-propeller



Type of Aircraft: Mooney M20K
FAA STC #: SA09565AC
EASA/LBA STC #: SA1248
Aircraft TCDS #: 2A3
Propeller TCDS #: P25NE

Applicable Aircraft
Mooney M20K

Engine
Teledyne Continental Motors
TSIO-360-LB, -GB1, -GB4, -MB1, -MB2, -SB1



STC Kit Contents

One 3-Blade Constant Speed Propeller
One Full Composite Spinner (AFRP)
One Airplane Flight Manual Supplement
One Installation Instruction
One Operation and Installation Manual

MTV-12-D/188-53
P-205-B
Doc. No. E-758E and E-209E
Doc. No. E-757E
ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation
Propeller Hub

Blade
Blade Design

Installed Propeller & Spinner Weight
Maximum Diameter
Minimum Diameter
TBO

MTV-12-D/188-53
MTV-12-D
Milled single-piece aluminum hub
188-53
Scimitar, light-weight natural
composite
47 lbs
74 in.
72 in.
According to SB 1 () latest issue

Replaces

All McCauley propellers according aircraft TCDS No. 2A3

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. -5 % (SL, ISA conditions)
- Enhanced climb by approx. 5 to 10% (SL, ISA conditions)
- Enhanced cruise performance by approx. 2 kts (MTOW, ISA conditions)
- Approx. 11 lbs less weight than the original propellers
- Unlimited blade life
- Significant inside and outside noise reductions

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