



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

MTV-12-D/188-53
 MTV-12-D
 Milled single-piece aluminum hub
 188-53
 Scimitar, light-weight natural
 composite

Blade
 Blade Design

47 lbs
 74 in.
 72 in.
 According to SB 1 () latest issue

Installed Propeller & Spinner Weight
 Maximum Diameter
 Minimum Diameter
 TBO

Options

HiGlo® Full Composite Spinner (AFRP) with chrome finish

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

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