



mt-propeller



Type of Aircraft: Mooney M20M
FAA STC #: SA09689AC
EASA STC #: EASA.A.S.01212
Aircraft TCDS #: 2A3
Propeller TCDS #: P3B0

Applicable Aircraft
 Mooney M20M
Engine
 Textron-Lycoming according to aircraft TCDS
 2A3. TIO-540-A1FA, -A1FB



STC Kit Contents

One 4-Blade Constant Speed Propeller
 One Full Composite Spinner (AFRP)
 One Airplane Flight Manual Supplement
 One Installation Instruction
 One Operation and Installation Manual

MTV-14-B/185-59b
 P-840-1
 Doc. No. E-1250
 Doc. No. E-1251
 ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation
 Propeller Hub

MTV-14-B/185-59b
 MTV-14-B
 Milled single-piece aluminum hub
 185-59b
 Scimitar, light-weight natural
 composite
 63 lbs
 72.8 in.
 72.8 in.
 According to SB 1 () latest issue

Blade
 Blade Design

Installed Propeller & Spinner Weight
 Maximum Diameter
 Minimum Diameter
 TBO

Options

HiGlo® Full Composite Spinner (AFRP) with chrome finish

Replaces

All 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. -8 % (SL, ISA conditions)
- Enhanced climb by approx. 2 % (SL, ISA conditions)
- Enhanced cruise performance by approx. 2 kts (MTOW, ISA conditions)
- Approx. 10 lbs less weight than the original propeller
- Unlimited blade life
- FOD repairable blades
- Significant inside and outside noise reductions

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