



mt-propeller



Type of Aircraft: Piper
PA-46-350P
PA-46R-350T

FAA STC : SA03637NY
EASA STC 10034435
ANAC Brazil STC: 2019S10-04
Aircraft TCDS #: EASA.IM.A.077
Propeller TCDS:
FAA P3BO
EASA EASA P.017



Applicable Aircraft
Piper PA-46-350P, PA-46R-350T

Engine
Lycoming TIO-540-AE2

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/195-30b
P-449-A
E-2029 (with max. Engine Speed 2500 rpm)
E-2029-1 (with max. Engine Speed 2400 rpm)
E-2031
ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation
Propeller Hub

Blade
Blade Design
Installed Propeller & Spinner Weight & De-Ice:
Installed Propeller & Spinner Weight w/o De-Ice:
Maximum Diameter
Minimum Diameter
TBO

MTV-14-B/195-30b
MTV-14-B
Milled single-piece aluminum hub
195-30b
Light-weight natural composite
61.5 lbs (27,9 kg)
59.9 lbs (27.2 kg)
76.8 inch (195 cm)
74.8 inch (190 cm)
According to SB 1 () latest issue

Replaces

MTV-14-B/195-30a
2- or 3-blade Hartzell

Advantages

- ✓ Best vibration damping characteristics for almost vibration free propeller operations
- ✓ Bonded on nickel alloy for best erosion protection of the blades
- ✓ Shorter take-off distance by approx. -5 % (SL, ISA conditions)
- ✓ Enhanced climb and cruise performance by approx. 5 to 10% (SL, ISA conditions)
- ✓ Enhanced cruise performance by 5 to 8 kts (MTOW, ISA conditions)
- ✓ Unlimited blade life
- ✓ Significant inside and outside noise reductions
- ✓ With "max. Engine Speed 2400 rpm" the airplane complies with "Erhöhter Schallschutz"
- ✓ for Germany
- ✓ Unbeatable esthetic ramp appeal!
- ✓ Cooler CHTs by up to 60°F!

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