



mt-propeller



**Type of Aircraft:** Piper PA-46-310P  
**FAA STC #:** SA03775NY  
**EASA STC:** 10034434  
**Aircraft TCDS #:** EASA.IM.A.077  
**Propeller TCDS:**  
**FAA:** P3BO  
**EASA:** EASA P.017



Applicable Aircraft:  
Piper PA-46-310P

#### Engine

Teledyne Continental Motor :  
TSIO-520-BE, TSIO-550-C

#### 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-D/195-30b

P-477-B

E-1968 (with max. Engine Speed 2600 rpm)

E-1968-1 (with max. Engine Speed 2500 rpm)

E-1969

ATA 61-01-24 (E-124)

#### Propeller Specifications

Full Propeller Designation  
Propeller Hub

Blade

Blade Design

Installed Propeller & Spinner & De-Ice:

Installed Propeller & Spinner w/o De-Ice:

Maximum Diameter

Minimum Diameter

TBO

MTV-14-D/195-30b

MTV-14-D

Milled single-piece aluminum hub

195-30b

Light-weight natural composite

61.0 lbs (27,7 kg)

59.3 lbs (26,9 kg)

76.8 in (195 cm)

74.8 in (190 cm)

According to SB 1 ( ) latest issue

#### Replaces

MTV-14-D/195-30a

2- or 3-Blade Hartzell Propeller

#### 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 2500 rpm" the airplane complies with "Erhöhter Schallschutz" for Germany.
- ✓ Unbeatable esthetic ramp appeal!
- ✓ Cooler CHTs by up to 60°F!

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