



mt-propeller



**Type of Aircraft:** Piper PA-28- ( )  
**FAA STC #:** SA02598AT  
**EASA/LBA STC #:** SA1173  
**Aircraft TCDS #:** A25SO  
**Propeller TCDS #:** P25NE

Applicable Aircraft  
Piper PA-28R-201T, PA-28RT-201T  
S/N 28R-7703001 through 28R-7803374,  
2803001 through 2803012, 28R-7931001  
through 28R-8631005, 2831001 and 2831038  
Engine  
Teledyne Continental Motor TSIO-360-F, -FB



### **STC Kit Contents**

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

MTV-12-D/188-30d  
P-285-7  
Doc. No. E-677-E  
ATA 61-01-24 (E-124)

### **Propeller Specifications**

Full Propeller Designation  
Propeller Hub

MTV-12-D/188-30d  
MTV-12-D  
Milled single-piece aluminum hub  
188-30d  
Light-weight natural composite  
45.6 lbs  
74 in.  
72 in.  
2000 hrs / 72 month (whichever  
occurs first)

Blade  
Blade Design  
Installed Propeller & Spinner Weight  
Maximum Diameter  
Minimum Diameter  
TBO

### **Options**

HiGlo® Full Composite Spinner (AFRP) with chrome finish

### **Replaces**

Hartzell BHC-C2YF-1( )F/F8459A-8R, PHC-C3YF-1( )F/F7663-2R

### **Advantages**

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades
- Take-off distance remains unchanged
- Enhanced climb and cruise performance by approx. 5 % (SL, ISA conditions)
- Enhanced cruise performance by 2 to 3 kts (MTOW, ISA conditions)
- Unlimited blade life
- Significant inside and outside noise reductions

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Certified FAA Repair Station No. Q4MR908Y