



# mt-propeller



**Type of Aircraft:** Cessna 414A  
**FAA STC #:** SA12044IB  
**EASA/LBA STC #:** 10043106 R1  
Replaces  
EASA.A.S. 02493

**Aircraft TCDS #:** A7CE  
**Propeller TCDS #:** P.017 / P3BO

Applicable Aircraft  
Cessna 414A  
Modified by FAA STC SA4546SW (Ram IV)  
Modified by FAA STC SA09105SC-D (Ram VII)

Engines  
Teledyne Continental Motors  
TSIO-520-N or -NB or TSIO-520-NB  
modified per FAA STC SE4327SW or SE09104SC  
or SE091261SC

### STC Kit Contents

Two 4-Blade Full Feathering Constant Speed Propellers  
Two Full Composite Spinner (AFRP)  
One Airplane Flight Manual Supplement  
One Installation Instruction  
One Instruction for Continued Airworthiness  
One Operation and Installation Manual

MTV-14-D-C-F/CF188-30( )  
P-587-( )  
Doc. No. E-1758  
Doc. No. E-1759  
Doc. No. E-1760  
ATA 61-01-24 (E-124)

### Propeller Specifications

Full Propeller Designation  
Propeller Hub

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

MTV-14-D-C-F/CF188-30( )  
MTV-14-D-C-F  
Milled single-piece aluminum hub  
CF188-30g  
Scimitar, light-weight natural composite  
33 kg (72.8 lbs) each propeller  
188 cm (74.0 inch)  
183 cm (72.0 inch)  
According to SB 1 ( ) latest issue

### Replaces

Removes existing McCauley or Hartzell full feathering constant speed propellers

### 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. -6% (SL, ISA conditions).
- Enhanced climb by up to 5% to 8% (SL, ISA conditions).
- Cruise performance increased by approx. 3 to 5 kts (MTOW, ISA conditions depending on altitude and power setting.)
- Approx. 20 lbs less weight than the original propellers.
- Unlimited blade life.
- FOD repairable blades.
- Significant inside and outside noise reductions.
- MT-Propeller modification also includes Cessna 414s modified with some RAM conversions.
- Turbine smoothness.



MT-Propeller Entwicklung GmbH  
Flugplatzstr. 1  
94348 Atting / Germany

Phone: +49 (0) 9429 9409 0  
Fax: +49 (0) 9429 8432  
sales@mt-propeller.com

MT-Propeller USA, Inc.  
1180 Airport Terminal Drive  
DeLand, Florida 32724

Phone: (386) 736-7762  
Fax: (386) 736-7696  
[info@mt-propellerusa.com](mailto:info@mt-propellerusa.com)