



mt-propeller



**Type of Aircraft:** Cessna 414  
**FAA STC #:** SA01294WI  
**EASA/LBA STC #:** SA1318  
**Aircraft TCDS #:** A7CE  
**Propeller TCDS #:** P3BO

Applicable Aircraft

Cessna 414

Engines

Teledyne Continental  
TSIO-520-J,-JB,-N,-NB  
plus engines modified  
by RAM



**STC Kit Contents**

Two 4-Blade Full Feathering Constant Speed Propellers	MTV-14-D-C-F/CF188-30g
Two Full Composite Spinner (AFRP)	P-587-1
One Airplane Flight Manual Supplement	Doc. No. E-988
One Installation Instruction	Doc. No. E-989
One Operation and Installation Manual	ATA 61-01-24 (E-124)

**Propeller Specifications**

Full Propeller Designation	MTV-14-D-C-F/CF188-30g
Propeller Hub	MTV-14-D-C-F
	Milled single-piece aluminum hub
Blade	CF188-30g
Blade Design	Scimitar, light-weight natural composite
Installed Propeller & Spinner Weight	72.8 lbs each
Maximum Diameter	74 in.
Minimum Diameter	72 in.
TBO	According to SB 1 ( ) latest issue

**Replaces**

3-Blade McCauley 3AF32C93/82NC-5.5 and 3AF32C505/82NEA-5.5  
3-Blade McCauley 3AF32C93/82NC-6.0 to 7.0 and 3AF32C505/82NEA-6.0 to 7.0  
3-Blade Hartzell PHC-C3YF-2UF/FC7663D-2Q and PHC-C3YF-2UF/FC7663DB-2

**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. -3% (SL, ISA conditions)
- Enhanced climb by approx. 5% to 8% (SL, ISA conditions)
- Cruise performance increased by approx. 3 to 5 kts (MTOW, ISA conditions)
- 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 RAM III & IV (STC SA4379SW)

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