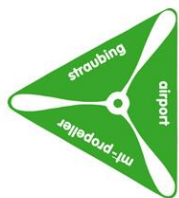


# mt-propeller



**Type of Aircraft:** Cessna 414  
**FAA STC #:** SA01294WI  
**EASA/LBA STC #:** 10079705  
 Replaces LBA SA 1318)  
**Aircraft TCDS #:** US A7CE  
**Propeller TCDS #:** P3BO

**(FAA Update i.p.)**



Applicable Aircraft  
 Textron Aviation Inc.  
 Cessna 414 RAM IV  
 Cessna 414 RAM VI  
 Cessna 414 RAM VII

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-881
One Installation Instruction	Doc. No. E-882
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
Blade	Milled single-piece aluminum hub
Blade Design	CF188-30g
Installed Propeller & Spinner Weight	Scimitar, light-weight natural composite
Maximum Diameter	66,0 kg / 145.5 lb each
Minimum Diameter	188 cm / 74.0 inch
TBO	183 cm / 72.0 inch
	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 or Nickel Leading Edges 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 414 modified with  
 RAM III & IV FAA STC SA4379SW  
 RAM VI FAA STC SA8424S-D and  
 RAM VII FAA STC SA09469SC-D

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