



# mt-propeller



**Type of Aircraft:** Cessna 421C  
**FAA STC:** SA02550NY  
**EASA STC:** EASA A.S.03114  
**Aircraft TCDS:** A7CE  
**Propeller TCDS:** P27BO

#### Applicable Aircraft

Cessna 421C

Compliance has also been shown for all combinations (and/or) of following FAA STCs: SA438NW, SA5183NM, SA8352SW, SA00015SE, SA5811SW

#### Engines

Teledyne Continental GTSIO-520-L and -N



### **STC Kit Contents**

Two 4-Blade Full Feathering Constant Speed Propellers	MTV-16-1-E-C-F/CF225-37a
Two Full Composite Spinner (AFRP)	P-1041
One Airplane Flight Manual Supplement	Doc. No. E-1584 (EASA + FAA)
One Installation Instruction	Doc. No. E-1585 (EASA + FAA)
One Instruction For Continued Airworthiness	Doc. No. E-1586 (EASA + FAA)
One Operation and Installation Manual	ATA 61-01-24 (E-124)

### **Propeller Specifications**

Full Propeller Designation	MTV-16-1-E-C-F/CF225-37a
Propeller Hub	MTV-16-1-E-C-F
Blade	Milled single-piece aluminum hub
Blade Design	CF225-37a
Installed Propeller & Spinner Weight	Scimitar, light-weight natural composite
Maximum Diameter	98 lbs each
Minimum Diameter	88.6 in.
TBO	86.6 in.
	1500 hrs / 72 month (whichever occurs first)

### **Options**

HiGlo® Full Composite Spinner (AFRP) with chrome finish

### **Replaces**

3-Blade McCauley propellers

### **Advantages**

- Best vibration dampening characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades
- Enhanced take-off distance by approx. -3% (MTOW, SL, ISA)
- Enhanced climb by approx. 5% (MTOW, ISA)
- Cruise performance increased by approx. 3 to 4 kts (Mid GW, ISA)
- Approx. 4 lbs less weight than the original propellers
- Unlimited blade life
- FOD repairable blades
- Significant inside and outside noise reductions
- Inside noise is reduced by 5 to 7 dB(A)

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