



# mt-propeller



**Type of Aircraft:** P.68C-TC  
P.68TC Obs.  
**EASA STC:** 10014445  
**FAA STC:** SA03420AT  
**Aircraft EASA TCDS:** EASA.A.385  
**Aircraft FAA TCDS:** A31EU  
**Prop EASA TCDS:** P.013  
**Prop FAA TCDS:** N25NE

### Applicable Aircraft

Vulcanair P.68C-TC & P.68TC Observer

### Engines

Lycoming TIO-360-C1A6D, TO-360-C1A6D

### STC Kit Contents

Two 3-Blade Full Feathering Constant Speed Propellers  
Two Full Composite Spinner (AFRP)  
One AFM Supplement  
One Installation Instruction  
One Instruction For Continued Airworthiness  
One Operation and Installation Manual

MTV-12-B-C-F/CF188-53

P-1009

Doc. No. E-1374 (EASA), E-1440 (FAA)  
Doc. No. E-1375 (EASA), E-1441 (FAA)  
Doc. No. E-1376 (EASA), E-1442 (FAA)  
ATA 61-01-24 (E-124)

### Propeller Specifications

Full Propeller Designation  
Propeller Hub

MTV-12-B-C-F/CF188-53

MTV-12-B-C-F

Milled single-piece aluminum hub  
CF188-53

Blade

Blade Design

Installed Propellers & Spinner Total Weight

Maximum Diameter

Minimum Diameter

Time Between Overhaul (TBO)

Scimitar, light-weight natural composite  
112 lbs  
74 in. (188 cm)  
74 in. (188 cm)  
According to SB 1 ( ) latest issue

### Options

HiGlo® Full Composite Spinner (AFRP) with chrome finish

### Replaces

2-Blade Hartzell HC-C2YK-2C()F/FC7666A-0

### 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 over 50 ft remains unchanged!
- Enhanced climb by approx. 3% (SL, ISA conditions, MTOW) increasing by altitude!
- Enhanced cruising speeds by approx. 2 to 3 kts (ISA, FL160, 4550 lbs GW)!
- Approx. 15 lbs less total weight than the original propellers!
- Unlimited blade life!
- Significant inside and outside noise reductions!
- ICAO Annex 16, Vol I, Part II, Chapter X EASA approved noise levels:
- P.68C-TC: 77.6 dB(A), P.68TC Observer: 76.4 dB(A)
- FOD repairable blades!

All models comply with the strict German noise regulations 2010– „Landeplatz-Lärmschutz-Verordnung“ for unrestricted airport operations in Germany and other European Countries!



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