



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

Scimitar, light-weight natural composite

Blade Design

112 lbs

Installed Propellers & Spinner Total Weight

74 in. (188 cm)

Maximum Diameter

74 in. (188 cm)

Minimum Diameter

According to SB 1 ( ) latest issue

Time Between Overhaul (TBO)

Replaces

2-Blade Hartzell HC-C2YK-2C()/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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