



mt-propeller



Type of Aircraft: P.68C-TC
P.68TC Obs.
EASA STC: 10014445
FAA STC: SA03420AT
Amended July 28, 2026
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
Doc. No. E-1375
Doc. No. E-1376
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
Scimitar, light-weight natural composite
112 lbs
74 in. (188 cm)
74 in. (188 cm)
According to SB 1 () latest issue

Blade
Blade Design
Installed Propellers & Spinner Total Weight
Maximum Diameter
Minimum Diameter
Time Between Overhaul (TBO)

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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