



mt-propeller



Type of Aircraft: P.68C-TC
P.68TC Obs.
EASA STC: A.S.02498
FAA STC: SA03420AT
Aircraft EASA TCDS: ENAC A365
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	MTV-12-B-C-F/CF188-53
Two Full Composite Spinner (AFRP)	P-1009
One AFM Supplement	Doc. No. E-1374 (EASA), E-1440 (FAA)
One Installation Instruction	Doc. No. E-1375 (EASA), E-1441 (FAA)
One Instruction For Continued Airworthiness	Doc. No. E-1376 (EASA), E-1442 (FAA)
One Operation and Installation Manual	ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation	MTV-12-B-C-F/CF188-53
Propeller Hub	MTV-12-B-C-F
Blade	Milled single-piece aluminum hub
Blade Design	CF188-53
Installed Propellers & Spinner Total Weight	Scimitar, light-weight natural composite
Maximum Diameter	112 lbs
Minimum Diameter	74 in. (188 cm)
Time Between Overhaul (TBO)	74 in. (188 cm)
	1800 hrs / 72 month (whichever occurs first)

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

MT-Propeller Entwicklung GmbH
Flugplatzstr. 1
94348 Atting / Germany

Phone: +49 (0) 9429 9409 0
Fax: +49 (0) 9429 8432
sales@mt-propeller.com

MT-Propeller USA, Inc.
1180 Airport Terminal Drive
DeLand, Florida 32724

Phone: (386) 736-7762
Fax: (386) 736-7696
info@mt-propellerusa.com