



mt-propeller



Type of Aircraft: P.68()
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.68, P.68B, P.68C, P.68
 Observer, P.68 Observer 2

Engines
 Lycoming IO-360-A1B, IO-360-A1B6

STC Kit Contents

Two 3-Blade Full Feathering Constant Speed Propellers	MTV-12-B-C-F/CF183-59b
Two Full Composite Spinner (AFRP)	P-1009
One AFM Supplement	Doc. No. E-1370 (EASA), E-1443 (FAA)
One Installation Instruction	Doc. No. E-1371 (EASA), E-1444 (FAA)
One Instruction For Continued Airworthiness	Doc. No. E-1372 (EASA), E-1445 (FAA)
One Operation and Installation Manual	ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation	MTV-12-B-C-F/CF183-59b
Propeller Hub	MTV-12-B-C-F
Blade	Milled single-piece aluminum hub
Blade Design	CF183-59b
Installed Propellers & Spinner Total Weight	Scimitar, light-weight natural composite
Maximum Diameter	112 lbs
Minimum Diameter	72 in. (183 cm)
Time Between Overhaul (TBO)	72 in. (183 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(-)

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:
- From 81.1 dB(A) to 83.7 dB(A)
- FOD repairable blades



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Certified FAA Repair Station No. Q4MR908Y