



mt-propeller



Type of Aircraft:

FAA STC:
EASA STC:
EASA Aircraft TCDS:
EASA Prop TCDS:
FAA Aircraft TCDS:
FAA Prop TCDS:

Rockwell
Commander
SA03658NY
10054491 R1

EASA P.013
A12SO
P25NE



Applicable Aircrafts

Models 112, 112B, 112TC, 112TCA and
Models 112, 112B with "Turbonormalizer" per
FAA STC SA5202NM

Engines

Lycoming Engines
Models 112, 112B: IO-360-C1D6 or
IO-360-C1D6 with approved "Turbonormalizer"
Models 112 TC, 112TCA: TO-360-C1A6D

STC Kit Contents

One 3-Blade Constant Speed Propeller	MTV-12-B/188-59f
One Full Composite Spinner (AFRP)	P-1005-3
One Master Document List	Doc. No. E-3306
One Airplane Flight Manual Supplement	Doc. No. E-2612
One Installation Instruction	Doc. No. E-2613
One Instruction For Continued Airworthiness	Doc. No. E-2614
One Operation and Installation Manual	ATA 61-24-10 (E-124)

Propeller Specifications

Full Propeller Designation	MTV-12-B/188-59f
Propeller Hub	MTV-12-B
	Milled single-piece aluminum hub
Blade	188-59f
Blade Design	Scimitar, light-weight natural composite
Installed Propeller Weight	24,1 kg (53,1 lbs)
Propeller Diameter	188 cm (74 in)
TBO	According to SB 1 () latest issue

Replaces

Hartzell 2-blade prop HC-E2YR-1B(F)/(F)7666A or
Hartzell 3-blade prop HC-E3YR-1RF/F7392

Advantages

(Performance data are based on MTOW, ISA)

- Best vibration damping characteristics for almost vibration free propeller operations!
- No engine modifications!
- Ground roll & takeoff distance over 50 ft obstacle is reduced by approx. 90 m (295 ft)!
- Climb performance slightly improved!
- Very smooth cruising - no speed penalty!
- Approx. 13 kg (29 lbs) less weight than the original 3-blade metal propeller!
- Unlimited blade life!
- More ground clearance for less FODs!
- FOD repairable blades!
- Significant inside and outside noise reductions!

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