



mt-propeller



Type of Aircraft:

**Rockwell
Commander
SA03658NY
10054491**

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

**EASA P.013
A12SO
P25NE**



Applicable Aircrafts

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

Engines

Lycoming Engines
IO-360-C1D6 or IO-360-C1D6 with approved
"Turbonormalizer"

STC Kit Contents

One 3-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-12-B/188-59f
One Full Composite Spinner (AFRP)	P-1005-3
One Master Document List	Doc. No. E-2616
One Airplane Flight Manual Supplement	Doc. No. 2612 and E-2612-1
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
	188-59f
Blade	
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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