



# mt-propeller



**Type of Aircraft:** PC-6 Series  
**EASA STC:** 10031167  
**FOCA Aircraft TCDS:** F 56-10  
**EASA Prop TCDS:** P.001

**Applicable Aircrafts**  
 PC-6/B1-H2, /B2-H2, /B2-H4

**Engines**  
 P&WC PT6A-20, -20A, -20B, /C20, -27, -34



### STC Kit Contents

One 4-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-16-1-E-C-F-R(P)/CFR240-55( )
One Full Composite Spinner (AFRP)	P-659-( )
One Master Operation Manual List	Doc. No. E-1860
One Airplane Flight Manual Supplement	Doc. No. E-1861 or E-1861-1
One Installation Instruction	Doc. No. E-1862
One Instruction For Continued Airworthiness	Doc. No. E-1863
One Operation and Installation Manual	ATA 61-06-10 (E-610)

### Propeller Specifications

Full Propeller Designation	MTV-16-1-E-C-F-R(P)/CFR240-55
Propeller Hub	MTV-16-1-E-C-F-R(P)
Blade	Milled single-piece aluminum hub
Blade Design	CFR240-55
Installed Propeller & Spinner Weight	Scimitar, light-weight natural composite
Maximum Diameter	52 kg (114.6 lbs)
Minimum Diameter	94.5 in.
TBO	92.5 in.
	According to SB 1 ( ) latest issue

### Replaces

3-Blade Hartzell HC-B3TN-3( ), 4-Blade Hartzell HC-D4N-3( ) aluminum propeller

### Advantages

(Performance data are based on MTOW, ISA)

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on nickel alloy leading edge for best erosion protection of the blades
- No engine modifications
- Ground roll distance reduced by approx. 30 m (100 ft) for a/c without rpm reduction
- Climb performance slightly improved for a/c without rpm reduction
- Very smooth cruising with 1800 rpm – no speed penalty
- Approx. 14 kg (31 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
- PC-6/B2-H4 models comply with the strict German noise regulations 2010– „Landeplatz Lärmschutz Verordnung“
- PC-6/B1-H2, /B2-H2 models with propeller rpm reduction comply the strict German noise regulations 2010– „Landeplatz Lärmschutz Verordnung“

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