

FOCA Aircraft TCDS: F 56-10 **EASA Prop TCDS:** P.001 Applicable Aircrafts

Type of Aircraft:

EASA STC:

PC-6/B1-H2, /B2-H2, /B2-H4

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



STC Kit Contents

One 4-Blade Reversing and Full Feathering

Constant Speed Propeller

One Full Composite Spinner (AFRP) One Master Operation Manual List

One Airplane Flight Manual Supplement

One Installation Instruction

One Instruction For Continued Airworthiness One Operation and Installation Manual

MTV-16-1-E-C-F-R(P)/CFR240-55()

P-659-()

Doc. No. E-1860

Doc. No. E-1861 or E-1861-1

Doc. No. E-1862 Doc. No. E-1863 ATA 61-06-10 (E-610)

Propeller Specifications

Installed Propeller & Spinner Weight

Full Propeller Designation MTV-16-1-E-C-F-R(P)/CFR240-55

Propeller Hub MTV-16-1-E-C-F-R(P)

PC-6 Series

10031167

Milled single-piece aluminum hub CFR240-55

Blade Design Scimitar, light-weight natural composite

52 kg (114.6 lbs)

94.5 in. 92.5 in.

According to SB 1 () latest issue

TBO Replaces

Maximum Diameter

Minimum Diameter

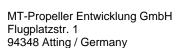
Blade

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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