



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.
	Currently 2000 hrs / 72 month (whichever occurs first), Target TBO is 3000 hrs

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 stainless steel 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 comply with the strict German noise regulations 2010– „Landeplatz Lärmschutz Verordnung“
- PC-6/B1-H2, /B2-H2 with propeller rpm reduction the strict German noise regulations 2010– „Landeplatz Lärmschutz Verordnung“

MT-Propeller Entwicklung GmbH
Flugplatzstr. 1
94348 Atting / Germany
Flyer No.: FL-047
Certification # EASA.21J.020, DE.21G.0008

Phone: +49 (0) 9429 9409 0
Fax: +49 (0) 9429 8432
sales@mt-propeller.com

MT-Propeller USA, Inc.
1180 Airport Terminal Drive
DeLand, Florida 32724

Phone: (386) 736-7762
Fax: (386) 736-7696
info@mt-propellerusa.com

www.mt-propeller.com

Certified FAA Repair Station No. Q4MR908Y