



# mt-propeller



**Type of Aircraft:** PC-12 Series  
**FAA STC:** SA02742NY  
**EASA STC:** A.S.03217  
**EASA Aircraft TCDS:** A.089  
**EASA Prop TCDS:** P.104  
**FAA Aircraft TCDS:** A78EU  
**FAA Prop TCDS:** P22BO

Applicable Aircrafts  
PC-12, PC-12/45, PC-12/47, PC-12/47E

Engines  
P&WC PT6A-67B, P&WC PT6A-67P

### **STC Kit Contents**

One 5-Blade Reversing and Full Feathering Constant Speed Propeller	MTV-27-1-N-C-F-R(P)/CFR260-65a
One Full Composite Spinner (AFRP)	P-1059-( )
One Master Document List	Doc. No. E-1631 (EASA), None (FAA)
One Airplane Flight Manual Supplement	Doc. No. E-1623 (EASA), E-1823 (FAA)
One Installation Instruction	Doc. No. E-1624 (EASA), E-1824 (FAA)
One Instruction For Continued Airworthiness	Doc. No. E-1625 (EASA), E-1825 (FAA)
One Operation and Installation Manual	ATA 61-00-83 (E-1083)

### **Propeller Specifications**

Full Propeller Designation	MTV-27-1-N-C-F-R(P)/CFR260-65a
Propeller Hub	MTV-27-1-N-C-F-R(P)
Blade	Milled single-piece aluminum hub
Blade Design	CFR260-65a
Installed Propeller & Spinner Weight	Scimitar, light-weight natural composite
Maximum Diameter	168.6 lbs
Minimum Diameter	102.4 in.
TBO	101.2 in.
	Currently 2000 hrs / 72 month (whichever occurs first), Target TBO is 3000 hrs

### **Replaces**

4-Blade Hartzell HC-E4A-3D/E10477K aluminum propeller (Diameter: 105.1 in.)

### **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. 15%
- Take-off distance over 50 ft obstacle reduced by approx. 5%
- Climb performance improved
- Cruise performance improved by up to 5 kts versus the PC-12 POH/AFM
- Approx. 10 lbs less weight than the original metal propeller
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Significant inside and outside noise reductions
- Aircraft noise level is about 4 dB(A) less than with the original metal propeller
- Cabin noise is reduced by 6 to 7 dB(A) depending on location

Exclusive North American Distributor for PC-12 Propeller: Finnoff Aviation Products, 185 Bellevue Drive, Boulder, CO 80302  
Phone: +1 303 444 0552, Fax: +1 303 444 2765, [chris@finnoff.com](mailto:chris@finnoff.com), [www.finnoff.com](http://www.finnoff.com)

MT-Propeller Entwicklung GmbH Flugplatzstr. 1 94348 Atting / Germany Flyer No.: FL-043 Certification # EASA.21J.020, DE.21G.0008	Phone: +49 (0) 9429 9409 0 Fax: +49 (0) 9429 8432 <a href="mailto:sales@mt-propeller.com">sales@mt-propeller.com</a>	MT-Propeller USA, Inc. 1180 Airport Terminal Drive DeLand, Florida 32724	Phone: (386) 736-7762 Fax: (386) 736-7696 <a href="mailto:info@mt-propellerusa.com">info@mt-propellerusa.com</a>
--	--	--	--

[www.mt-propeller.com](http://www.mt-propeller.com)

Certified FAA Repair Station No. Q4MR908Y

