

**STC – DATA** v3.1  
**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  
 One Full Composite Spinner or Polished Aluminum Spinner P-1059-( )  
 One Master Document List  
 One Airplane Flight Manual Supplement  
 One Installation Instruction  
 One Instruction For Continued Airworthiness  
 One Operation and Installation Manual

Doc. No. E-1631 (EASA), None (FAA)  
 Doc. No. E-1623 (EASA), E-1823 (FAA)  
 Doc. No. E-1624 (EASA), E-1824 (FAA)  
 Doc. No. E-1625 (EASA), E-1825 (FAA)  
 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) Milled single-piece aluminum hub  
 Blade CFR260-65a  
 Blade Design Scimitar, light-weight natural composite  
 Installed Propeller & Spinner Weight 172.6 lbs  
 Maximum Diameter 102.4 in. Minimum Diameter 101.2 in.  
 TBO According to SB 1 ( ) latest issue

**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 nickel alloy 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. 4 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