

**STC – DATA** v3.1  
**Type of Aircraft:** **Beech King Air 90 series**  
**FAA STC:** SA03507NY  
**EASA STC:** 10046759  
**FAA Aircraft TCDS:** 3A20  
**EASA Aircraft TCDS:** A.503  
**FAA / EASA Prop TCDS:** P22BO / P.104  
**Applicable Aircrafts:** Hawker Beechcraft Corporation: B90, E90, C90, C90A, C90GT, C90GTi  
**Engines:** All TC and STC approved P&WC PT6A turbines including the PT6A-135A Blackhawk modification.



Beech King Air 90 with 5-blade MTV-27

**STC Kit Contents**                      **Quiet Fan Jet Propeller (QFJ) Series**

Two 5-Blade Full Feathering Constant Speed Reversible Propellers	MTV-27-1-E-C-F-R(P)/CFR210-58d
Two Full Composite Spinners (AFRP) or Polished Aluminum Spinners	P-1283
One Airplane Flight Manual Supplement	Doc. No. E-2275
One Installation Instruction	Doc. No. E-2276
One Instruction For Continued Airworthiness	Doc. No. E-2277
One Operation and Installation Manual	ATA 61-06-10 (E-610)
<b>Propeller Specifications</b>	
Full Propeller Designation	MTV-27-1-E-C-F-R(P)/CFR210-58d
Propeller Hub (Milled single-piece aluminum hub)	MTV-27-1-E-C-F-R(P)
Blade	CFR210-58d
Blade Design	Scimitar, light-weight natural composite
Propeller De-Ice	Electro-thermal de-ice boots
Weight of one installed propeller	137.1 lbs (propeller with de-ice)
Maximum Diameter	82.7 inch
Minimum Diameter	82.7 inch
TBO	According to SB 1 ( ) latest issue

**Replaces** 3-Blade and 4-blade Hartzell and McCauley propellers

**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 superior erosion protection of the blades
- General performance improvement (5% take-off & climb, 2-3 kts cruise with 1900 rpm)
- No propeller speed restrictions on ground while operating in low idle
- Unlimited blade life and FOD repairable blades
- More ground clearance => less FODs - Lower ITTs during start-up for less engine wear
- Unbeatable esthetic ramp appeal
- Significant cabin noise and vibration reduction
- All models comply with the strict German noise regulations 2010 – “Landeplatz Lärmschutz Verordnung“ for unrestricted airport operations in Germany and other European Countries