

<b>STC – DATA</b>	v3.1a
<b>Type of Aircraft:</b>	<b>Beech King Air 200 series</b>
<b>FAA STC:</b>	<b>SA03209NY</b>
<b>EASA STC:</b>	<b>10036196</b>
<b>FAA/EASA Aircraft TCDS:</b>	<b>A24CE / EASA.IM.A277</b>
<b>FAA / EASA Propeller TCDS:</b>	<b>P22BO / P.104</b>
<b>Applicable Aircrafts</b>	Hawker Beechcraft Models:
200, 200C, 200CT, 200T, A200 (12A), A200 (C-12C), A200CT (C-12D), A200CT (C-12F), A200CT (RC-12D), A200CT (FWC-12D), A200CT (C-12G), A200CT (RC-12H), B200, B200C, B200CGT, B200CT, B200GT, B200T	
<b>Engines</b>	P&WC PT6A-41, -42, -52, -61



Beech King Air with 5-blade MTV-27

### **STC Kit Contents**

Two 5-Blade Full Feathering Constant Speed Reversible Propellers	MTV-27-1-E-C-F-R(P)/CFR225-55f
Two Full Composite Spinners (AFRP)	P-1228-( )
One Airplane Flight Manual Supplement	Doc. No. E-2041
One Installation Instruction	Doc. No. E-2042
One Instruction For Continued Airworthiness	Doc. No. E-2043
One Operation and Installation Manual	ATA 61-06-10 (E-610)

### **Propeller Specifications**

Full Propeller Designation	MTV-27-1-E-C-F-R(P)/CFR225-55f
Propeller Hub	MTV-27-1-E-C-F-R(P) Milled single-piece aluminum hub
Blade	CFR225-55f
Blade Design	Scimitar, light-weight natural composite
Propeller De-Ice	Electro-thermal de-ice boots
Weight of one installed propeller	144.4 lbs (propeller with de-ice)
Maximum Diameter	88.6 in.
Minimum Diameter	86.6 in.
TBO	According to SB 1 ( ) latest issue
<b>Replaces</b>	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, 3 kts cruise with 1800 rpm)
- Approx. 25 lbs less weight than the original 4-blade propellers with aluminum blades
- No propeller speed restrictions on ground while operating in low idle
- Unlimited blade life and FOD repairable blades
- More ground clearance => less FODs
- 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.