

STC – DATA v3.1b
Type of Aircraft: Beech King Air 300/350 series
FAA STC #: SA03525NY
EASA STC #: 10050861
FAA Aircraft TCDS: A24CE
EASA Aircraft TCDS: EASA.IM.A.277
FAA/EASA Prop TCDS: P22BO / P.104
Applicable Aircraft: Hawker Beechcraft Corporation: Beech 300, 300LW, B300, B300C
Engines: Pratt & Whitney PT6A-60A



Beech King Air 300 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)/CFR260-65b
Two Full Composite Spinners (AFRP) or Polished Aluminum Spinners	P-1283-1
One Airplane Flight Manual Supplement	Doc. No. E-2471
One Installation Instruction	Doc. No. E-2472
One Instruction For Continued Airworthiness	Doc. No. E-2473
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(P)/CFR260-65b
Propeller Hub (Milled single-piece aluminum hub)	MTV-27-1-E-C-F-R(P)
Blade	CFR260-65b
Blade Design	Scimitar, light-weight natural composite
Propeller De-Ice	Electro-thermal de-ice boots
Weight of one installed propeller	75,8 kg (167.1 lb) propeller with de-ice
Diameter	260 cm (102.4 inch)
TBO	According to SB 1 () latest issue

Replaces 4-Blade Hartzell 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 (8% take-off & climb, 4-5 kts cruise)
- 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