

Q F J - Propeller for the King Air - Quiet Fan Jet Propeller Series -

Flyer No.: FL-105
04.05.2021



mt-propeller



Type of Aircraft:	Beech 99 and 100 series
FAA STC:	SA04633NY
EASA STC:	10064889 R1
FAA Aircraft TCDS:	A14CE
EASA Aircraft TCDS:	--
EASA / FAA Prop TCDS:	P.104 / P22BO
TCCA Acceptance	5010-O-20-0482



Applicable Aircrafts

Beechcraft Corporation
Type: 99 and 100 series; Model: B100

Engine

Honeywell TPE-331-6-252B or any
TPE-331-() installed per approved STCs which
do not exceed 715 HP and 2000 RPM

STC Kit Contents

Two 5-Blade Full Feathering Constant Speed Reversible Propellers	MTV-27-1-E-C-F-R(G)/CFR224-55f
Two Full Composite Spinners (AFRP) or Polished Aluminum Spinners	P-1096-1
One Airplane Flight Manual Supplement	Doc. No. E-3226
One Installation Instruction	Doc. No. E-3227
One Instruction For Continued Airworthiness	Doc. No. E-3228
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(G)/CFR224-55f
Propeller Hub	MTV-27-1-E-C-F-R(G) Milled single-piece aluminum hub CFR224-55f
Blade	Scimitar, light-weight natural composite
Blade Design	Electro-thermal de-ice boots
Propeller De-Ice	67,0 kg (147.7 lbs)
Weight Propeller and Propeller Accessories:	224 cm (88.2 inch)
Diameter	According to SB 1 () latest issue
TBO	

Replaces

Removes the original propellers and the appropriate spinners.

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!
- Take-Off improvement by 10%!
- 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 [up to 10 dB(A)] and vibration reduction!
- Comply with the strict German noise regulations 2010 - „Landeplatz Lärmschutz Verordnung“ for unrestricted airport operations in Germany and other European Countries!

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