

Q F J - Propeller for the Cessna 441 series - Quiet Fan Jet Propeller Series -

Flyer No.: FL-109
May 25, 2022



mt-propeller



Type of Aircraft: Cessna 441
FAA STC: SA04460NY
TCCA STC: 5010-O-20-483
EASA STC: 10070901
FAA Aircraft TCDS: US A28CE
EASA Aircraft TCDS:
EASA / FAA Propeller TCDS: P.104 / P22BO

Applicable Aircrafts

Textron Aviation Inc.
Cessna 441

Engine

Honeywell, USA;
TPE331-8-400 Series
TPE331-8-406S or TP331-8-511S*
TPE331-10N-500 Series **

* installed per STC FAA SA2925SO or STC LBA 0490/2058

** installed per STC FAA SA5682NM or STC LBA 0397/2058

STC Kit Contents

Two 5-Blade Full Feathering Constant Speed
Counterweighted Reversible Propeller
One Full Composite Spinner (AFRP) or Polished Aluminum
Spinner
One Airplane Flight Manual Supplement
One Installation Instruction
One Instruction For Continued Airworthiness
One Operation and Installation Manual

MTV-27-1-E-C-F-R(G)/CFR224-55()

P-1638

Doc. No. E-3418

Doc. No. E-3419

Doc. No. E-3420

ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation

Propeller Hub

Blade

Blade Design

Propeller De-Ice

Weight of one installed propeller with Spinner:

Diameter

TBO

MTV-27-1-E-C-F-R(G)/CFR224-55()

MTV-27-1-E-C-F-R(G)

Milled single-piece aluminum hub

CFR224-55()

Scimitar, light-weight natural composite

Propeller Electric De-Ice System

67 kg (147.7 lbs) per propeller with de-ice

224 cm (88,2 inch)

According to SB 1 () latest issue

Replaces:

This modification replaces the existing propellers

Advantages (Performance data are based on MTOW, ISA)!

- Best vibration damping characteristics for almost vibration free propeller operations!
- Bonded on wide chord nickel alloy leading edges for superior erosion protection of the blades!
- Smaller diameter of up to 4 inch compared to the original propeller, this means more ground clearance
- of about 2 inch for less FOD and also more clearance to the fuselage, therefore less cabin noise from the prop tips!
- Take Off improvement up to 15%, so compared to the original AFM a higher safety for the calculated take-off run!
- No propeller ADs!
- TBO 4500 hours or 6 years, whatever comes first, for low maintenance costs!
- No rpm restriction for the complete operational range!
- The long-time proven MT-Propeller natural composite blades provide significant inside and outside noise reduction!
- No life limitation and repairable in case of an FOD.
- 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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