

Q F J - Propeller for F 406 - Quiet Fan Jet Propeller Series -

Flyer No.: FL-114
April 27, 2021



Type of Aircraft: F 406
FAA STC: --
EASA STC: 10075453
FAA Aircraft TCDS: --
EASA Aircraft TCDS: EASA.A.109
EASA / FAA Propeller TCDS: P.104 / P22BO
TCCA Acceptance: --

Applicable Aircrafts

ASI AVIATION (Reims)
Type: F 406
Model: F 406

Engine

2x Pratt & Whitney PT6A-112

STC Kit Contents

Two 5-Blade Full Feathering Constant Speed Counterweighted Reversible Propeller	MTV-27-1-E-C-F-R(P)/CFR220-55()
Two Full Composite Spinner (AFRP) or Polished Aluminum Spinner	P-1737
One Airplane Flight Manual Supplement	Doc. No. E-3588
One Installation Instruction	Doc. No. E-3589
One Instruction for Continued Airworthiness	Doc. No. E-3590
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(P)/CFR220-55()
Propeller Hub	MTV-27-1-E-C-F-R(P)
Blade	Milled single-piece aluminum hub
Blade Design	CFR220-55()
Propeller De-Ice	Scimitar, light-weight natural composite
Weight of one installed propeller with Spinner:	Electric De-Ice System
Diameter	68,2 kg (150 lbs)
TBO	220 cm (86,6 inch)
	According to SB 1 () latest issue

Replaces

Removes the original McCauley 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 wide chord nickel alloy leading edges for superior erosion protection of the blades!
- Smaller diameter of up to 16 cm (6 inch) compared to the original propeller, this means more ground clearance
- of about 8 cm (3 inch) for less FOD and also more clearance to the fuselage, therefore less cabin noise from the prop tips!
- Take-Off improvement up to 8%, 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!



mt-propeller



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