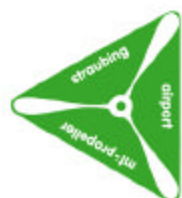




mt-propeller



Type of Aircraft: Cessna 414
FAA STC #: SA01294WI
EASA/LBA STC #: SA1318
Aircraft TCDS #: A7CE
Propeller TCDS #: P3BO

Applicable Aircraft

Cessna 414

Engines

Teledyne Continental
 TSIO-520-J,-JB,-N,-NB
 plus engines modified by
 RAM



STC Kit Contents

Two 4-Blade Full Feathering Constant
 Speed Propellers
 Two Full Composite Spinner (AFRP)
 One Airplane Flight Manual Supplement
 One Installation Instruction
 One Operation and Installation Manual

MTV-14-D-C-F/CF188-30g

P-587-1

Doc. No. E-988

Doc. No. E-989

ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation
 Propeller Hub

MTV-14-D-C-F/CF188-30g

MTV-14-D-C-F

Milled single-piece aluminum hub

CF188-30g

Scimitar, light-weight natural composite

72.8 lbs each

74 in.

72 in.

2000 hrs / 72 month (whichever occurs first)

Blade

Blade Design

Installed Propeller & Spinner Weight

Maximum Diameter

Minimum Diameter

TBO

Options

HiGlo® Full Composite Spinner (AFRP) with chrome finish

Replaces

3-Blade McCauley 3AF32C93/82NC-5.5 and 3AF32C505/82NEA-5.5

3-Blade McCauley 3AF32C93/82NC-6.0 to 7.0 and 3AF32C505/82NEA-6.0 to 7.0

3-Blade Hartzell PHC-C3YF-2UF/FC7663D-2Q and PHC-C3YF-2UF/FC7663DB-2

Advantages

- Best vibration dampening characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades
- Shorter take-off distance by approx. -3% (SL, ISA conditions)
- Enhanced climb by approx. 5% to 8% (SL, ISA conditions)
- Cruise performance increased by approx. 3 to 5 kts (MTOW, ISA conditions)
- Approx. 20 lbs less weight than the original propellers
- Unlimited blade life
- FOD repairable blades
- Significant inside and outside noise reductions
- MT-Propeller modification also includes Cessna 414s modified with RAM III & IV (STC SA4379SW)

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