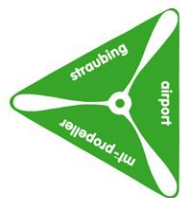


mt-propeller



Type of Aircraft: Cessna 414
FAA STC #: SA01294WI
EASA/LBA STC #: 10079705
Replaces LBA SA 1318)
Aircraft TCDS #: US A7CE
Propeller TCDS #: P3BO

Applicable Aircraft
Textron Aviation Inc.
Cessna 414 RAM IV
Cessna 414 RAM VI
Cessna 414 RAM VII

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-881
Doc. No. E-882
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
66,0 kg / 145.5 lb each
188 cm / 74.0 inch
183 cm / 72.0 inch
According to SB 1 () latest issue

Blade
Blade Design
Installed Propeller & Spinner Weight
Maximum Diameter
Minimum Diameter
TBO

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 damping characteristics for almost vibration free propeller operations
- Bonded on Stainless Steel or Nickel Leading Edges 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 414 modified with
RAM III & IV FAA STC SA4379SW
RAM VI FAA STC SA8424S-D and
RAM VII FAA STC SA09469SC-D

MT-Propeller Entwicklung GmbH
Flugplatzstr. 1
94348 Atting / Germany

Phone: +49 (0) 9429 9409 0
Fax: +49 (0) 9429 8432
sales@mt-propeller.com

MT-Propeller USA, Inc.
1180 Airport Terminal Drive
DeLand, Florida 32724

Phone: (386) 736-7762
Fax: (386) 736-7696
info@mt-propellerusa.com