



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	MTV-14-D-C-F/CF188-30g
Two Full Composite Spinner (AFRP)	P-587-1
One Airplane Flight Manual Supplement	Doc. No. E-988
One Installation Instruction	Doc. No. E-989
One Operation and Installation Manual	ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation	MTV-14-D-C-F/CF188-30g
Propeller Hub	MTV-14-D-C-F
Blade	Milled single-piece aluminum hub
Blade Design	CF188-30g
Installed Propeller & Spinner Weight	Scimitar, light-weight natural composite
Maximum Diameter	72.8 lbs each
Minimum Diameter	74 in.
TBO	72 in.
	2000 hrs / 72 month (whichever occurs first)

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 damping 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)

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