Q F J - Propeller for the Twin Commander Aircraft
- Quiet Fan Jet Propeller Series -

Flyer No.: FL-095
February 07, 2022

Type of Aircraft:
Twin Commander 690 / 695 Series

EASA STC #:	**10060826**
FAA STC #:	**A03933NY**
AFAC Mexico STC #:	**IA-720/2020**
Aircraft TCDS #:	
FAA	**2A4**
EASA	**--**
Propeller TCDS #:	
FAA	**P22BO**
EASA	**EASA P.104**

Applicable Aircraft:
Twin Commander 600 Series
Model: 690, 690A, 690B, 690C, 690D, 695, 695A, 695B

Engine:
Honeywell, USA
TPE-331-5-( ) or TPE-331-10-( ) or TPE-331-10T-( )
or any TPE-331-( ) installed per approved STC which do not exceed 820SHP and 1591 rpm.

STC Kit Contents

Two 5-Blade Full Feathering Constant Speed Propeller	MTV-27-1-E-C-F-R(G)/CFRL240-55d
One Full Composite Spinner (AFRP)	P-1266
One Airplane Flight Manual Supplement	Doc. No. E-2959
One Installation Instruction	Doc. No. E-2960
One Instruction for Continued Airworthiness	Doc. No. E-2961
One Operation and Installation Manual	ATA 61-06-10 (E-610)

Propeller Specifications

Full Propeller Designation	MTV-27-1-E-C-F-R(G)/CFRL240-55d
Propeller Hub	MTV-27-1-E-C-F-R(G) Milled single-piece aluminum hub
Blade	CFRL240-55d
Blade Design	Light-weight natural composite
Installed Propeller & Spinner Weight	143,4 kg (316.1 lbs)
Diameter	240 cm (94.5 inch) Cut-off to 235 cm (92.5 inches) allowed for repair. *No cut off allowed when Nickel Alloy Erosion sheath is installed!*
TBO	According to SB 1 ( ) latest issue

Replaces
The original Hartzell or Dowty propellers and the appropriate spinners!

Advantages
- Best vibration damping characteristics for almost vibration free propeller operations!
- Bonded on nickel alloy for best erosion protection of the blades!
- Reduced take-off distance by approx. 10 % (MTOW, SL, ISA conditions)!
- Enhanced cruise performance by 3 to 4 kts (MTOW, ISA)!
- Unlimited blade life; FOD repairable blades!
- Cooler ITTs during engine start up, therefore less engine wear and reduced risk of hot start!
- Unbeatable esthetic ramp appeal!
- Lighter than the original propellers by 8 kg (17,7 lbs) per propeller assembly!
- Significant inside and outside noise reduction!
- Cabin noise reduction between 3-5 dB(A)!
- The STC complies with the strict German noise regulations 2010 - „Landeplatz Lärmschutz Verordnung“ for unrestricted airport operations in Germany and other European Countries!

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