

STC – DATA	v3.1a
Type of Aircraft:	DHC-6 (Twin Otter) / Viking Air Ltd.
EASA STC #:	10043964
FAA STC #:	SA03368NY
Aircraft TCDS #:	A9EA
Canada:	Canada A-82
EASA	EASA.IM.A.575
Propeller TCDS #:	
FAA:	P27BO
Canada:	P-44
EASA	EASA P.001
Applicable Aircraft:	DHC-6 series 1, 100, 110, 200, 210 DHC-6 series 300, 310, 320, 400



Viking DHC-6 Twin Otter with 4-blade MTV-16

Engine: Pratt & Whitney Canada; 2 engines
PT6A-20: DHC-6 -1, 100, -200, 210 / PT6A-27: DHC-6 -300, 310, -320
PT6A-34: DHC-6 -400 / PT6A-34: all DHC-6 series if modified by appropriate STC.

STC Kit Contents

Two 4-Blade (MTV-16-1-E-C-F-R(P)/CFR240-55), Full Feathering, Reversing, Counter-Weighted, Hydraulically Actuated Constant Speed Propeller

One Full Composite Spinner (AFRP)	P-659-D
One Airplane Flight Manual Supplement	Doc. No. E-2293
One Installation Instruction	Doc. No. E-2294
One Instruction for Continued Airworthiness	Doc. No. E-2295
One Operation and Installation Manual	ATA 61-06-10 (E-610)
Propeller Specification	MTV-16-1-E-C-F-R(P)/CFR240-55
Propeller Hub	MTV-16-1-E-C-F-R(P)
Blade	Milled single-piece aluminum hub
Blade Design	CFR240-55
Installed Propeller & Spinner Weight & De-Ice	Light-weight natural composite
Installed Propeller & Spinner w/o De-Ice	245.8 lbs (111.5 kg)
Diameter	237.0 lbs (107.5 kg)
TBO	94.5 in (240 cm) - <i>No cut off allowed if Nickel Erosion Sheet is installed.</i>

Options According to SB 1 () latest issue
HiGlo® Full Composite Spinner (AFRP)

Replaces 3-Blade Hartzell Propeller

Advantages

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on nickel alloy for best erosion protection of the blades
- Enhanced take-off distance by approx. 5 % (MTOW, SL, ISA conditions)
- Enhanced climb performance by approx. 5 % (MTOW, SL, ISA conditions)
- Enhanced cruise performance by 2 to 3 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!
- Significant inside and outside noise reductions by up to 8 dB(A) 0