



mt-propeller



**Type of Aircraft:** Rockwell  
**Commander**  
**FAA STC:** SA03657NY  
**EASA STC:** 10054490  
**EASA Aircraft TCDS:**  
**LBA Prop TCDS:** 32.130/65  
**FAA Aircraft TCDS:** A12SO  
**FAA Prop TCDS:** P24NE



### Applicable Aircrafts

Models 114, 114A, 114B, 114TC

### Engines

Lycoming Engines  
IO-540-T4A5D, IO-540-T4B5D, IO-540-T4B5  
and TIO-540-AG1A

### STC Kit Contents

|   |   |
|---|---|
| One 3-Blade Constant Speed Propeller        | MTV-9-B/198-52  |
| One Full Composite Spinner (AFRP)           | P-285-6 for Models 114, 114A and 114B<br>P-1036-3 for Model 114TC |
| One Master Document List                    | Doc. No. E-2557   |
| One Airplane Flight Manual Supplement       | Doc. No. E-2553   |
| One Installation Instruction                | Doc. No. E-2554   |
| One Instruction For Continued Airworthiness | Doc. No. E-2555   |
| One Operation and Installation Manual       | ATA 61-24-10 (E-124)  |

### Propeller Specifications

|                                       |   |
|---------------------------------------|---|
| Full Propeller Designation            | MTV-9-B/198-52  |
| Propeller Hub                         | MTV-9-B<br>Milled single-piece aluminum hub<br>198-52 |
| Blade                                 | Scimitar, light-weight natural composite              |
| Blade Design                          | 25,3 kg (55,8 lbs)                                    |
| Installed Propeller & Governor Weight | 198 cm (78 in)  |
| Propeller Diameter                    | 193 cm (76 in)  |
| Minimum Diameter                      | According to SB 1 ( ) latest issue                    |
| TBO                                   |   |

### Replaces

|                 |  |
|-----------------|--|
| Model 114:      | HC-C2YR-1BF/F8467-7R propeller / Edo Aire 34-828-014-7 governor  |
| Rockwell 114A:  | B3D34C405/90DFA-13 propeller / Woodward 210 903 governor   |
| Rockwell 114B:  | B3D32C419/82NHA-5 propeller / Woodward 210 903 Governor and<br>McCauley D-20309-37 (C290D3/T41) governor |
| Rockwell 114TC: | B3D32C419/82NHA-5 propeller / McCauley D-20309-40 (C290D3/T44) governor                                  |

### Advantages

(Performance data are based on MTOW, ISA)

- Best vibration damping characteristics for almost vibration free propeller operations!
- No engine modifications!
- Ground roll & takeoff distance over 50 ft obstacle is reduced by approx. 30 m (98 ft)!
- Climb performance slightly improved!
- Very smooth cruising - no speed penalty!
- Approx. 8 kg (17,6 lbs) less weight than the original 3-blade metal propeller!
- Unlimited blade life!
- FOD repairable blades!
- Significant inside and outside noise reductions!

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