



mt-propeller



Type of Aircraft:

FAA STC:

EASA STC:

FAA Aircraft TCDS:

EASA Aircraft TCDS:

EASA / FAA Prop

TCDS:

Air Tractor

i.p.

10090953

A17SW

EASA P.020

FAA P00120IB



Applicable Aircraft

Air Tractor AT-502()

Models: AT-402, -402A, -402B,

AT-502, -502A, -502B, -503A

Engine

Pratt & Whitney PT6A-()

AT-402: PT6A-15AG, -27, -34, -34AG

AT-402A: PT6A-11AG, -11, -20, -20A, -20B, -21

AT-402B: PT6A-15AG, -27, -34, -34AG

AT-502: PT6A-15AG, -27, -34, -34AG, -34B, -36

AT-502A: PT6A-140AG

AT-502B: PT6A-15AG, -27, -34, -34AG, -34B, -36

AT-503A: PT6A-34, -34AG

STC Kit Contents

4-blade Aluminum Constant Speed Propeller

full feathering, reversible

One Aluminum Spinner

One Airplane Flight Manual Supplement

One Installation Instruction

One Instruction for Continued Airworthiness

One Operation and Installation Manual

AV-804-1-E-C-F-R(P)/CFR275-446

117-4000 series

Doc. No. E-4447

Doc. No. E-4448

Doc. No. E-4449

AVIA EN-1320

Propeller Specifications

Full Propeller Designation

Propeller Hub

Blade

Blade Design

AV-804-1-E-C-F-R(P)/CFR275-446

AV-804-1

Milled Single-piece aluminum hub

446

Robust Structural Aluminum Design, On-wing individual blade removal reduces maintenance cost and time

88 kg (194 lbs)

275 cm (108 inch)

Approx. Propeller Weight:

Diameter:

Replaces

Hartzell 3- or 4-bladed propeller

Advantages:

- Equal or better Performance Data compared with Legacy STC 4-blade propeller
- Increase of Static Thrust up to 430 lbs for PT6A-34AG engine and up to 200 lbs for PT6A-140AG engine compared to existing Legacy 4-blade propeller STC
- RPM reduction from 2200 RPM to 2080 RPM for applicable engines for reduced noise and higher efficiency
- In-field removable blades: Easy installation thanks to separate hub and blade installation; easy shipping.
- No propeller ADs!
- TBO 2500 hours or 6 years, whatever comes first, for low maintenance costs!