

Department of Transportation Federal Aviation Administration

## Supplemental Type Certificate

*Number* ST00541SE*This certificate, issued to***Jetprop L.L.C.  
E. 6427 Rutter Road, Felts Field  
Spokane, WA 99212**

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.*

*Original Product—Type Certificate Number:* A25SO  
*Make:* Piper  
*Model:* PA-46-310P, -350P

*Description of the Type Design Change:* Installation of a Pratt & Whitney PT6A-34 engine rated at 560 HP, 2200 RPM, or as an option, a Pratt & Whitney PT6A-35 engine rated at 560 HP, 2190 RPM, or as an option, a Pratt & Whitney PT6A-21 engine rated at 550 HP, 2200 RPM, and an eligible propeller from Table 1, Page 3 and associated hardware in accordance with Rocket Engineering Master Drawing List 560.00.000, Revision AP, dated September 14, 2007, or later approved revision.

*Limitations and Conditions:* This airplane/engine/propeller combination is life limited. The life limit for the modified airplane shall be determined by using the minimum value calculated by the following formulas:

$$T = T_o + 0.9 (10145 - T_o) \text{ Fuselage Life Limit}$$

$$T = T_o + 0.85(15580 - T_o) \text{ Wing Life Limit}$$

Where  $T$  = Airplane life limit (hours)

$T_o$  = Airplane flight time at modification (hours)

The value of the life limit (in hours) must be recorded in the "limitations section" of the Flight Manual Supplement of the modified airplane.

(See "Continuation Sheet" Page 3)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* July 8, 1996

*Date reissued:*

*Date of issuance:* July 31, 1998

*Date amended:* 10/20/98; 3/24/00; 5/22/01; 6/3/02;  
12/16/02; 7/7/03; 6/15/06; 9/17/07; 4/14/11; 5/16/11



*By direction of the Administrator*

**Original Signed by Scott Fung**

(Signature)

**Acting Manager, Seattle Aircraft Certification Office**

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

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# Supplemental Type Certificate

## (Continuation Sheet)

### *Number* ST00541SE

**Jetprop L.L.C.***Date reissued:**Date amended:* 10/20/98; 3/24/00; 5/22/01; 6/3/02; 12/16/02;  
7/7/03; 6/15/06; 9/17/07; 4/14/11; 5/16/11*Limitations and Conditions continued:*TABLE 1  
ELIGIBLE PROPELLERS

Manufacturer	Model Number
Hartzell	HC-E4N-3I/E8501B-3.5
Hartzell	HC-E4N-3M/E8190K
Hartzell	HC-E4N-3N/D8292
Hartzell	HC-E4N-3N/D8292(B,K)-2
MT	MTV-16-1-E-C-F-R(P)/CFR206-58a

Installation of the 20.75 gallon header tank (p/n 560.08.220-L) is allowed only in conjunction with the installation of the MTV-16-1-E-C-F-R(P)/CFR206-58a propeller.

Additionally, approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate, dated September 17, 2007, and FAA-approved Airplane Flight Manual Supplement (AFMS), also dated September 17, 2007, or later FAA-approved revision, must be maintained as part of the permanent records for the modified aircraft.

**Optional Vented Outboard Fuel Cap Installation:** Installation of a vented outboard fuel cap requires incorporation of **2 Days' Wings, Inc. STC SA00859AT**

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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