

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION TYPE CERTIFICATE DATA SHEET P-906	TCDS NUMBER P-906 REVISION: 8 HAMILTON SUNDSTRAND CORPORATION MODEL 54H April 19, 2007
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Propellers of models described herein conforming with this data sheet (which is part of type certificate No. P-906) and other approved data on file with the Federal Aviation Administration meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Civil Air Regulations/Federal Aviation Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder: Hamilton Sundstrand Corporation
 1 Hamilton Road
 Windsor Locks, Connecticut 06096-1010

Type: Hydraulically controllable - feathering (see NOTES 3 and 4)

Engine shaft: SAE No. 50, 60 or X (X indicates special shaft sized for foreign engines are eligible.)

Hub material: Steel

Blade material: Aluminum alloy

Number of blades: 4

Hubs eligible: 54H50, 54H60 , 54HX (see NOTE 1)

Blade Eligible (See Note 2)	Maximum Continuous		Takeoff		Diameter Limits (See Note 2)	Hub and Blade Weight (Max Diameter)	NOTES
	HP	RPM	HP	RPM			
7027-8 to 7027-32 7028 is the left-hand version of 7027.	3400	1020	3900	1020	13' 5-3/4"-11' 5-3/4" (-8 to -32)	1054 lbs.	5
7089-2 to 7089-26 7090 is the left-hand version of 7089.	3400	1020	3900	1020	13' 5-3/4"-11' 5-3/4" (-2 to -26)	980 lbs.	5
7109-2 to 7109-26 7110 is the left-hand version of 7109.	3400	1020	3900	1020	13' 5-3/4"-11' 5-3/4" (-2 to -26)	980 lbs.	5
7111-2 to 7111-26 7112 is the left-hand version of 7111.	4300	1020	4500	1020	13' 5-3/4"-11' 5-3/4" (-2 to -26)	970 lbs.	5
7121-2 to 7121-26 7122 is the left-hand version of 7121.	4060	1020	4600	1020	13' 5-3/4" - 11' 5-3/4" (-2 to -26)	990 lbs.	5

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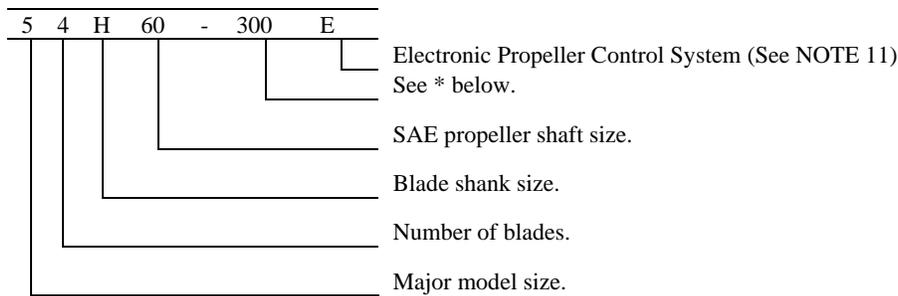
Certification basis CAR 14 as amended to December 15, 1956.
 Type Certificate No. P-906 issued July 29, 1958.
 Date of application for Type Certificate December 4, 1957.

The following models were added, updated or revised in accordance with FAR 35 through Amendment 7 dated December 28, 1995: 54H60-91, 54H60-111, 54H60-117.

The following models were added, updated or revised in accordance with FAR 35 through Amendment 7 dated December 28, 1995 and Special Conditions 35-003-SC (Docket No. NE125), dated November 17, 2003: 54H60-91E, 54H60-111E, 54H60-117E.
 See Note 11.

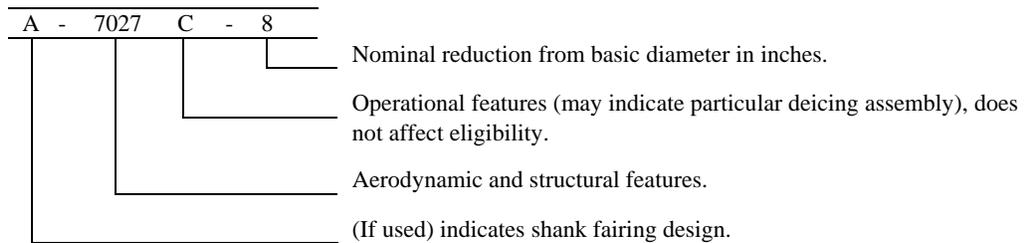
Production basis Production Certificate No. 14

NOTE 1. Hub Model Destination



*A dash added to the propeller model designation indicates minor changes which do not affect eligibility.

NOTE 2. Blade Model Designation



Diameter limits shown are nominal diameters of the assembled propellers and do not include the $\pm 1/8$ inch manufacturing tolerance permissible for propellers with basic diameter less than 14 feet or $\pm 1/4$ inch permissible for propellers with basic diameter 14 feet or larger.

NOTE 3: Pitch Control. Eligible with Hamilton Sundstrand constant speed control only.

- NOTE 4. (a) Feathering. Eligible with full feathering control installed in accordance with the propeller manufacturer's instructions.
 (b) Reversing. Eligible with reversing controls installed in accordance with the propeller manufacturer's instructions.

NOTE 5. Left-hand Models. The left-hand version of an approved propeller model is eligible at the same rating and diameter limitations as listed for the right-hand model.

NOTE 6. Interchangeable Blades. Not applicable.

NOTE 7.

Accessories.

(a) Propeller Deicing

- (1) Electric. Eligible only with Hamilton Sundstrand electric deicing equipment installed in accordance with the propeller manufacturer's instructions.*
- (2) Fluid. Not applicable.

*All rubber deicing accessories shall be installed in accordance with Hamilton Sundstrand instructions regarding the cementing sequence for adhering rubber accessories to aluminum alloy blades.

NOTE 8.

Shank Fairings. Not applicable

NOTE 9.

Special Limits. Not applicable

NOTE 10.

Special Notes. The word "eligible" as used herein does not signify approval. For approval, compliance with the applicable aircraft airworthiness requirements is necessary.

NOTE 11.

Propeller Models with the "E" suffix have full definition of the propeller and the associated control system. These models have incorporated an Electronic Propeller Control System (EPCS). The propeller models listed here have been approved with the EPCS:

54H60-91E
54H60-111E
54H60-117E

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