

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

P-887 Revision 9
Hamilton Standard 43H Propeller
January 5, 1971

TYPE CERTIFICATE DATA SHEET NO. P-887

Propellers of models described herein conforming with this data sheet (which is part of type certificate No. 887) 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 Standard Division
United Aircraft Corporation
Windsor Locks, Connecticut 06096

Type Constant speed; hydraulic (see NOTES 3 and 4)

Engine shaft SAE No. 50, 51, 60 or X (X indicates special shaft sized for foreign engines are eligible.)

Hub material Steel

Blade material Aluminum alloy

Number of blades 3

Hubs eligible 43H50, 43H51, 43H60 and 43HX (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			
6959-0 to 6959-26	2920	1160	3700	1270	15'1-1/16"-12'11-1/16" (-0 to -26)	635 lbs.	6
6960 is the left-hand version of 6959.							5
6967-0 to 6967-26	2920	1160	3700	1270	15'1-1/16"-12'11-1/16"	661 lbs.	6
6968 is the left-hand version of 6967.							5
6993-4 to 6993-26	2920	940	3400	1030	16'9-1/16"-14'11-1/16"	795 lbs.	6
6994 is the left-hand version of 6993.							5

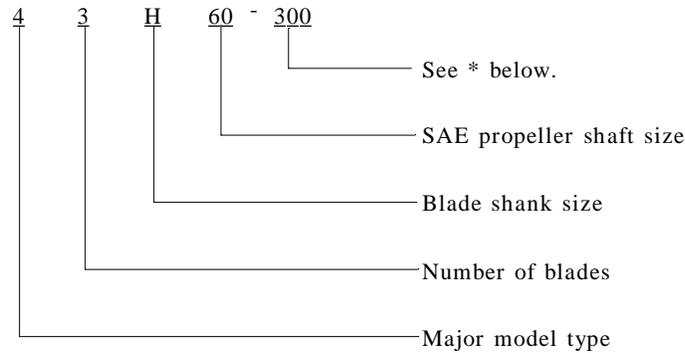
Certification basis CAR 14 as amended to 18 May 1954
Type Certificate No. 887 issued 14 December 1954
Date of application for Type Certificate 16 July 1954

Production basis Production Certificate No. 14

Page No.	1	2	3
Rev. No.	9	9	9

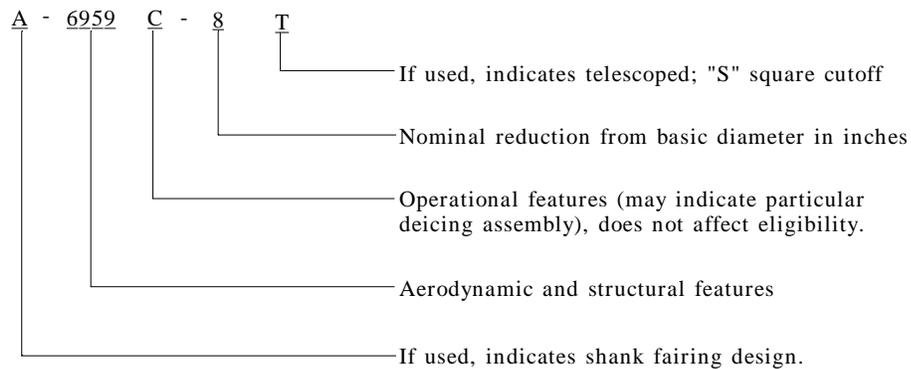
Reformatted 7/94.

NOTE 1.

Hub Model Destination

*A dash number added to the propeller model designation indicates minor changes which do not affect eligibility. If number is above 300 it also indicates the complete blade assembly and all of the rotating deicing system components.

NOTE 2.

Blade Model Destination

The blade model designation suffixed with "T" indicates a diameter reduction by telescoping. Blade models with square cutoffs in accordance with Hamilton Standard blade drawings are suffixed with "S" except the following blades use square cutoffs not designated by "S"; Blade Models 6959. Telescoped blades and blades with a square cutoff are eligible at the same ratings and diameter limits as blades with standard cutoff. 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 Standard constant speed governor 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 model propeller is eligible at the same rating and diameter limitations as listed for the right-hand model.

NOTE 6.

Interchangeable Blades. Blades with an "S" or "T" suffix (see NOTE 2) are not interchangeable with each other or with blades having normal round cutoffs. Only blades listed in the same group in (a) or (b) are interchangeable in the same diameter without a flight test.

(a) Interchangeable aerodynamically and vibrationwise not applicable.

(b) Interchangeable aerodynamically only; Group (1) 6959 and 6967 (nickel-plated version of 6959)

NOTE 7.

Accessories.

(a) Propeller Deicing

- (1) Electric. Eligible only with Hamilton Standard electric deicing equipment installed in accordance with the propeller manufacturer's instructions.*
- (2) Fluid. Eligible only with Hamilton Standard fluid deicing equipment installed in accordance with the propeller manufacturer's instructions.*

*All rubber deicing accessories shall be installed in accordance with Hamilton Standard 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.

....END....