

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

P-856
Revision 5

Hamilton Standard
34D Propeller

January 6, 1971

TYPE CERTIFICATE DATA SHEET NO. P-856

Propellers of models described herein conforming with this data sheet (which is part of type certificate No. 856) 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: Hydraulically controllable - Feathering (see NOTES 3 and 4)
Hub material: Steel
Blade material: Aluminum alloy
Number of blades: 4
Hubs eligible: 34D50, 34D51, 34D60 and 34DX (see NOTE 1)

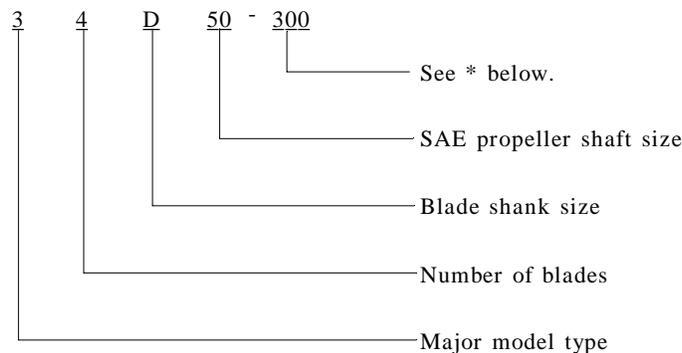
Blade Eligible (See Note 2)	Maximum Continuous		Takeoff		Diameter Limits (See Note 2)	Hub and Blade Weight (Max Diameter)	NOTES
	HP	RPM	HP	RPM			
6813-0 to 6813-18	1400	1350	1770	1420	13'-5/8" - 11'-7-5/8" (-0 to -18)	470 lbs.	
6814 is the left-hand version of 6813.							5
6849-0 to 6849-18	1400	1190	1800	1230	13'-5/8" - 11'-7-5/8" (-0 to -24)	522 lbs.	
6850 is the left-hand version of 6849.							5

Certification basis: Type Certificate No. 856 issued May 8, 1947

Production basis: Production Certificate No. 14

NOTE 1.

Hub Model Destination

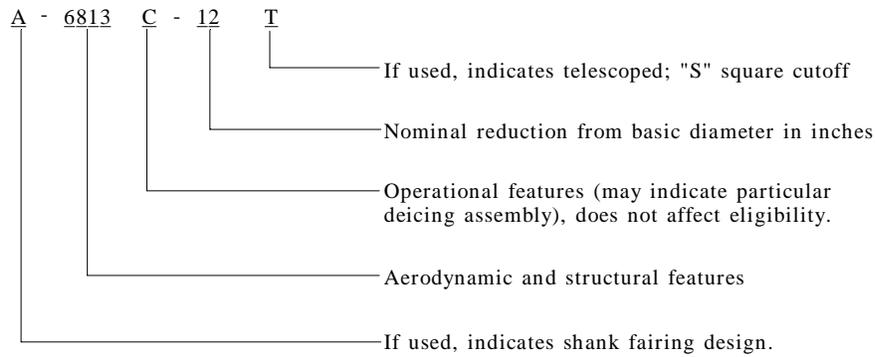


*A dash number added to the propeller model designation indicates minor changes which do not affect eligibility. If number is above 300 it also indicates the complete blade assembly and all of the rotating deicing system components.

NOTE 2. Blade Model Destination

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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". 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. None
- 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 with Hamilton Standard fluid deicing slinger ring assemblies only.
 (b) Propeller Spinner. Eligible with spinner supplied by Hamilton Standard.
- 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.

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