DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

P-847
Revision 7
CURTISS
C632S

May 1, 1970

TYPE CERTIFICATE DATA SHEET NO. P-847

Propellers of models described herein conforming with this data sheet (which is part of type certificate no. 847) 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.

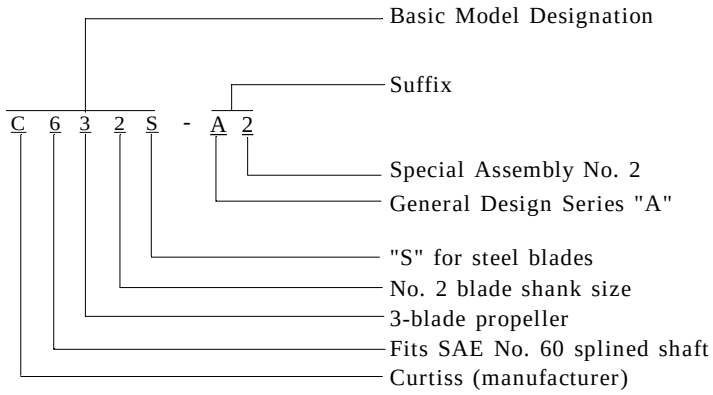
Type Certificate Holder	Curtiss-Wright Corporation Curtiss Division Caldwell, New Jersey 07006
Type	Constant speed - Electrical (see NOTES 3 and 4)
Engine shaft	SAE No. 60
Hub material	Steel
Blade material	Steel
Number of blades	3
Hubs eligible	C632S and C632S-B (see NOTE 1)

Blade Eligible (See Note 2)	Maximum Continuous HP	Maximum Continuous RPM	Takeoff HP	Takeoff RPM	Diameter Limits (See Note 9)	Hub and Blade Weight (Max Diameter)	NOTES
740-6C2-0 to 740-6C2-24	1900	1170	2400	1260	13'1" - 11'1" (-0 to -24)	457 lbs.	6
740-9C2-0 to 740-9C2-24	1900	1170	2500	1260	13'1" - 11'1" (-0 to -24)	484 lbs.	6
744-4C2-0 to 744-4C2-24	1900	1170	2400	1260	13'1" - 11'1" (-0 to -24)	384 lbs.	6
744-6C2-0 to 744-6C2-24	1900	1170	2400	1260	13'0" - 11'0" (-0 to -24)	404 lbs.	6
744-10C2-0 to 744-10C2-24	1900	1170	2400	1260	13'1" - 11'1" (-0 to -24)	432 lbs.	6
836-14C2-18 to 836-14C2-24	1900	1170	2400	1260	13'0" - 12'6" (-18 to -24)	409 lbs.	
837 is the left-hand version of 836.							5
850-4C2-0 to 850-4C2-24	2100	1050	2500	1230	15'1" - 13'1" (-0 to -24)	404 lbs.	
852-XC2-0 to 852-XC2-24	2100	1050	2500	1230	15'0" - 13'0" (-0 to -24)	413 lbs.	6
853 is the left-hand version of 852.							5

Certification basis	Type Certificate No. 847, issued 30 August 1946, reissued 2 January 1962.
Production basis	Production Certificate No. 8

NOTE 1. Hub Model Designation

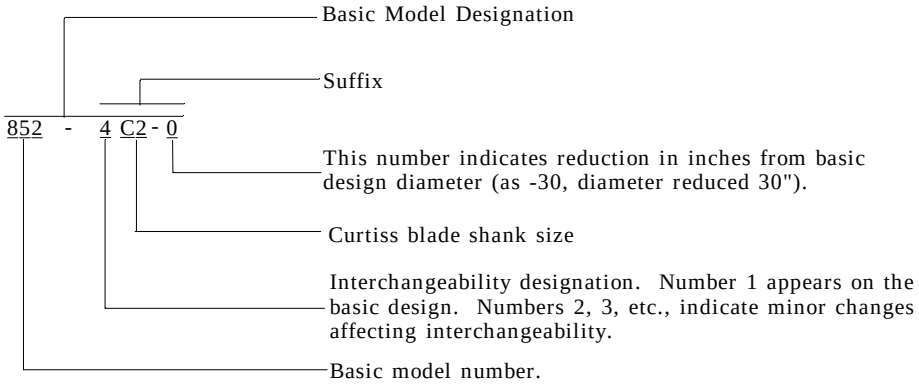
The model designation of Curtiss hubs consists of a letter or a letter and a number suffixed to the basic model designation, for example:



A change in the suffix letter indicates a design series change which may affect eligibility. Only those hubs listed are eligible. A change in the suffix number indicates a minor change which does not affect hub eligibility.

NOTE 2. Blade Model Designation

For hollow steel blades the model designation consists of a series of numbers and letters suffixed to the basic model number. For example:



A change in the Interchangeability Designation indicates a minor change. A blade model is eligible on an aircraft model when listed in the pertinent aircraft specification.* Blades of the same model with different suffixes are equally eligible as listed in NOTE 6, but only blades with a like suffix should be assembled in the same hub. *(Type Certificate Data Sheet)

NOTE 3. Pitch Control. Eligible only with Curtiss manual control, constant speed governor, or automatic synchronizer.

NOTE 4.
(1) Feathering. Eligible with full feathering control and voltage booster installed in accordance with the propeller manufacturer's instructions.
(2) Reversing. Eligible with reversing control and voltage booster 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. Only blades listed in the same group of the following listed groups are sufficiently similar aerodynamically and vibrationwise to permit interchangeability in the same diameter without a flight test. Blades with different model numbers, however, should not be incorporated in the same propeller, and reference should always be made to the ratings of the blades.

Group (a) 852-1C2-X, 852-2C2-X, 852-3C2-x
(b) 744-4C2-X, 744-6C2-X, 744-10C2-X
(c) 740-6C2-X, 740-9C2-X

NOTE 7. Accessories. Not applicable.

NOTE 8. Shank Fairings. Curtiss steel blades are considered suitable for installation of blade shank cuffs. Specific part numbers and weights of eligible cuffs will be shown on the pertinent aircraft specifications.* When blade shanks cuffs are installed, the propeller weight will be increased approximately 15 lbs. *(Type Certificate Data Sheet).

NOTE 9. Special Limits. Actual basic propeller diameter varies with certain blades as shown below.

Blade	Actual Basic Propeller Diameter
852-1C2-0	15' 1.2"
852-2C2-0	14' 11.5"
952-3C2-0	14' 11.5"

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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