

CURTISS C543S PROPELLER T.C. 791

Type Electrically controllable - feathering (see NOTES 3 and 4)  
 Blade shank No. 3 Special  
 Engine shaft SAE No. 50  
 Hub material Steel  
 Blade material Steel  
 Number of blades 4  
 Hubs eligible C543S (See NOTE 1)

Blades Eligible (See NOTE 2)	Maximum Continuous		Takeoff		Propeller Diameter Limits	Weight Complete (Max. Dia.)	NOTES
	HP	RPM	HP	RPM			
814-1C3-18 to 814-1C3-30	1625	1275	2000	1350	13'8" - 12'8" (-18 to -30)	602 lb.	8
814-1C3-0 to 814-1C3-30	1500	1050	1700	1225	15'2" - 12'8" (-0 to -30)	604 lb.	8
814-3C3-18 to 814-3C3-30	1750	1275	2000	1350	13'6" - 12'6" (-18 to -30)	602 lb.	8
814-4C3-18 to 814-4C3-30	1750	1275	2000	1350	13'6" - 12'6" (-18 to -30)	602 lb.	8

Certification basis Type Certificate No. 791 (Expired February 16, 1956. No propellers of this model manufactured after that date eligible for use on certificated aircraft.)

- NOTE 1. Hub Model Designation. A dash and a letter, or a dash and a letter and a number, added to the hub model designation indicates a minor change which does not affect its 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. A change in the suffix indicates a minor change. Blades of the same model with minor changes are equally eligible, but only blades with a like suffix should be assembled in the same hub.
- NOTE 3. Pitch Control. Eligible only with Curtiss manual control, constant speed governor, or automatic synchronizer.
- NOTE 4. Feathering. Eligible with full feathering control and voltage booster installed in accordance with the propeller manufacturer's instructions.
- NOTE 5. Left Hand Model. 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. Not applicable.
- NOTE 7. Accessories. Eligible only with Curtiss deicing slinger ring assemblies.
- NOTE 8. Blade Shank Cuffs. Cuffs are eligible only on those model blades specifically designated. The following procedure should be following when determining if blades with cuffs are eligible on an aircraft model:  
 (a) Refer to the pertinent propeller specification and determine whether an assembly of the blade model in question is eligible to incorporate a cuff.  
 (b) Refer to the pertinent aircraft specification and determine whether the same model blade with cuff is eligible in the propellers of that aircraft model.  
 (c) When cuffs are installed, increase the propeller weight according to the following table:  
 814 blades, add 17 lb.