

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

3P1
Revision 3
HC-42XF
Series Propellers
March 18, 1952

PROPELLER SPECIFICATION

Propellers of models described herein conforming with these specifications and approved data on file with the Civil Aeronautics Administration are rated as airworthy for use in certificated aircraft in accordance with pertinent aircraft specifications and applicable portions of 3.4 and 4.4 of the Civil Air Regulations.

Manufacturer Hartzell Propeller Company
Piqua, Ohio

Model HC-42XF

Limits Dependent on blade model installed

Pitch Two position, automatic snap-acting. Pitch range for HC-42XF-2 is 12°.

Blade shank size 3.577 diameter, special (Hartzell "X")

Engine shaft SAE #4 Flange

Hub material Alloy steel

Blade material See below

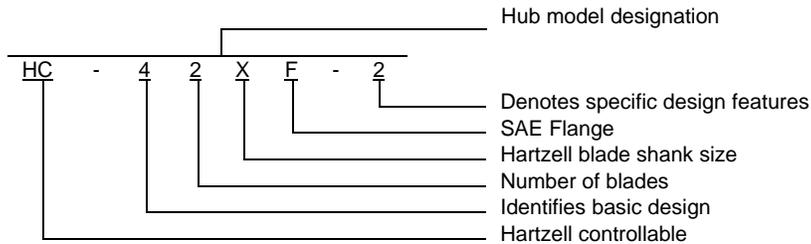
Number of blades Two

Hub model eligible HC-42XF-2

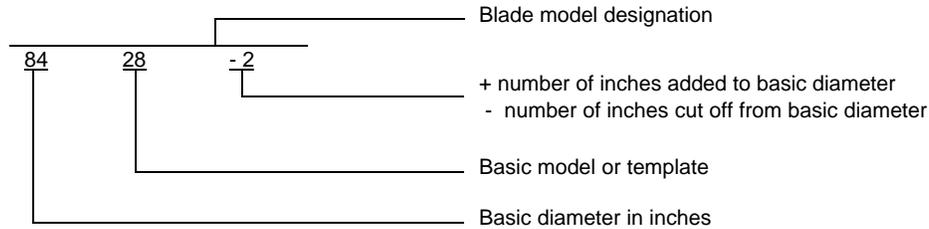
Blades Eligible (See Note 2)	Maximum Continuous		Diameter Limits	Weight Complete (Max. Dia.)	Notes	Blade Construction
	HP	RPM				
8428+2 to 8428 - 6	215	2600	86" - 78" (+2 to -6)	59 lbs.	5	Special fabric base plastic; stainless steel or brass tipping.
8433 - 0 to 8433 - 6	215	2600	84" - 78" (-0 to -6)	64 lbs.	5	Aluminum alloy

Certification basis Type Certificate No. 3P1
Production basis Production Certificate No. 10

NOTE 1. Hub Model Designation. Hub model designation denotes type, basic model, blade shank size, shaft size, and special variations. For example:



NOTE 2. Blade Model Designation. The basic blade model designation number consists of four digits. The first group of two digits denotes the diameter of the propeller in inches. The second group of two digits denotes the basic model number of templates used. A plus or minus number added to the blade model designation denotes the amount of inches added to or cut off from the basic diameter.



NOTE 3. Pitch Control. None. Two position automatic snap-acting pitch control mechanism.

NOTE 4. Feathering. Not applicable.

NOTE 5. Left-Hand Models. The left hand version of an approved model propeller is eligible at the same rating and diameter as listed for the right hand model. It is designated by an "L" preceding the blade model designator.

NOTE 6. Interchangeable blades. None

NOTE 7. Accessories. None

NOTE 8. Shank Fairings. Not applicable

NOTE 9. Special Limits. Propeller to be installed and operated in accordance with limitations shown on aircraft specification and approved Hartzell service instructions.

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