

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION TYPE CERTIFICATE DATA SHEET P1IN	P1IN REVISION: 3 RATIER-FIGEAC FH-76 Series February 28, 2007
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Propellers of models described herein conforming with this data sheet (which is a part of Propeller Type Certificate No. P1IN), and other approved data on file with the Federal Aviation Agency, meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft Data Sheets and applicable portions of the Civil Air Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder RATIER-FIGEAC
 B.P. N°2
 46101 FIGEAC Cedex
 FRANCE

Type Turbine propeller, electrically controllable - feathering and reversing

Engine shaft Integral with propeller hub barrel

Hub material Steel

Blade material Aluminum alloy

No. of blades 3

Design series eligible FH 76-1-05, FH 76-1-06, FH 76-1-07, FH 76-1-09, FH 76-2-07

Blades Eligible (See Note 2)	Maximum Continuous		Takeoff		Diameter Limits	Max. Weight complete, lb.
	HP	RPM	HP	RPM		
FH 76-205	473	2200	523	2200	83.5" - 82.5"	142.5
FH 76-206	473	2200	523	2200	75.6" - 74.6"	150.2
FH 76-207	473	2080	523	2080	98.4" - 97.4"	157.0
FH 76-209	473	2200	523	2200	81.1" - 80.1"	142.5
FH 76-2-260	630	2066	670	2066	98.51" - 98.43"	163.8

Certification basis FAR Section 21.29 and French Standard AIR 2051 Chapter 9. (AIR 2051 Chapter 9 certified by Secretariat Generale a l'Aviation Civile as equivalent to CAR Part 14 as amended to December 15, 1956, and Amendment 14-1).

 The FAA validated this product under U.S. Type Certificate Number P1IN. Effective September 28, 2003, the European Aviation Safety Agency (EASA) began oversight of this product on behalf of the Government of France.

TC (Import) No: None

TC Application Date: September 19, 1960

TC Issued : November 9, 1962

Import requirements: To be considered eligible for installation on U.S. registered aircraft, each propeller to be exported to the United States shall be accompanied by a Certificate of Airworthiness for export endorsed by the Direction Générale de l'Aviation Civile (DGAC) on behalf of the European Community which contains the following language:

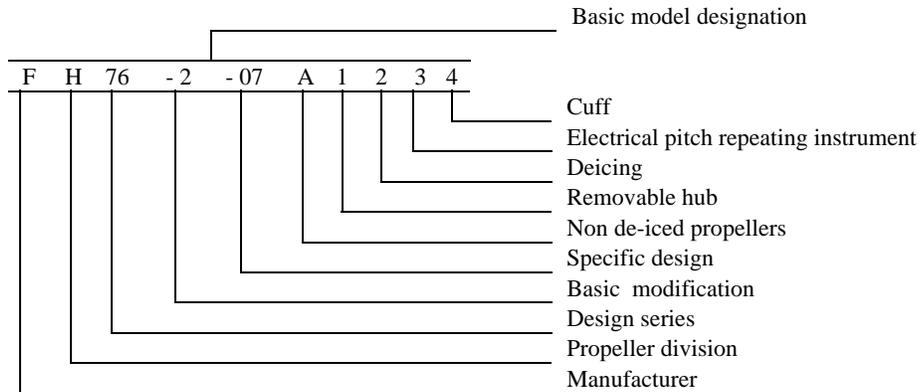
(1) This propeller conforms to its United States type design (TC No. P1IN) and is

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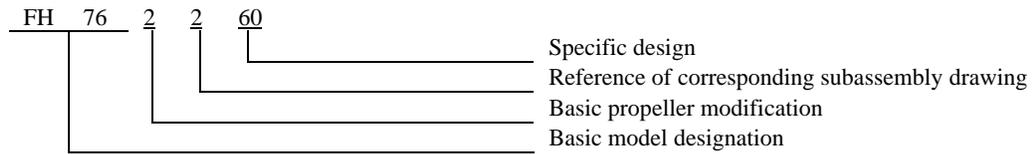
in a condition for safe operation.

- (2) This propeller has been subjected by the manufacturer to a final operational check and is in a proper state of airworthiness. Reference FAR Section 21.500 which provides for the airworthiness acceptance of aircraft engines or propellers manufactured outside the U.S. for which a U.S. type certificate has been issued. Additional guidance is contained in FAA Advisory Circular 21-23, Airworthiness Certification of Civil Aircraft, Engines, Propellers and Related Products, Imported into the United States.

NOTE 1. Propeller Model Designation. The propeller model designation consists of a series of numbers suffixed to the basic model designation (as shown below) to indicate Modifications and specifications.



NOTE 2. Blade Model Designation



NOTE 3. Pitch Control. 76-1 Series eligible with Ratier-Figeac mechanical-electrical pitch control and indicator system No. FH 76.1.500 or in addition electrical pitch repeater No. FH 138.550.76-2-07 eligible with No. FH 76-2-500.

NOTE 4. (a) Feathering
Electrical feathering is accomplished with control in cockpit which also shuts off fuel to engine and is installed in accordance with the propeller manufacturer's instructions.

Emergency hydraulic feathering is also available with special pilot control provided by aircraft manufacturer.

(b) Reversing
Reversing is accomplished with the propeller pitch changing control designed to prevent inadvertent operation.

NOTE 5. Not applicable.

NOTE 6. Interchangeable Blades
Only blades that can be fitted without requiring re-balance or any other testing are eligible as interchangeable blades, provided they are installed as a set of 3 to the propeller.

NOTE 7. Accessories
(a) Propeller Deicing
Eligible with only Ratier-Figeac electrical deicing provisions.

(b) Spinners

Eligible with only Ratier-Figeac spinner.

- (c) Relay Box Not applicable (76-1; all types). Eligible only with Ratier-Forest electric Relay Box Model FH 170-1. (76-2-07)

NOTE 8. Not applicable.

NOTE 9. Approved installations. Propellers listed in this data sheet are approved vibrationwise only for use in the engine-aircraft combinations shown below:

<u>Propeller</u> <u>Model</u>	<u>Aircraft</u> <u>Model</u>	<u>Engine</u> <u>Model</u>	<u>Data Sheet</u>	
			<u>Aircraft</u>	<u>Engine</u>
FH 76-1-06	Beech-Sferma 60	Turbomeca Astazou II D, II-J	A9IN	E2IN
FH 76-1-07	Pilatus PC-6/A Series	Turbomeca Astazou II E, IIG	7A15	E2IN
FH 76-2-07	Short Bros. & Harland SC-7 Skyvan	Turbomeca Astazou XIIH-1	A15EU	E6EU

NOTE 10. Service Information. Each of the documents listed below must state that it is approved by the European Aviation Safety Agency (EASA) or – for approvals made before September 28, 2003 – by the DGAC. Any such documents are accepted by the FAA and are considered FAA approved.

- Service bulletins,
- Structural repair manuals,
- Vendor manuals,
- Aircraft flight manuals, and
- Overhaul and maintenance manuals.

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