

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION TYPE CERTIFICATE DATA SHEET P11NE	TCDS NUMBER P11NE REVISION 13
	HAMILTON SUNDSTRAND MODEL/S: 14RF-9 14RF-10 14RF-19 14RF-20 14RF-21 14RF-22 14RF-23 14RF-24 14RF-35 14RF-36 14RF-37
December 7, 2015	

Propellers of models described herein conforming with this data sheet (which is part of Type Certificate Number P11NE) 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 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 Sundstrand Corporation
 One Hamilton Road
 Windsor Locks, CT 06096-1010

TYPE: Constant speed; hydraulic (see Notes 3 & 4)

ENGINE FLANGE: 5.125" Bolt Circle

HUB MATERIAL: Aluminum

BLADE MATERIAL: Fiberglass covered aluminum spar

NUMBER OF BLADES: Four

DESIGN SERIES: 14RF
 See Note 15 for the associated model parts list unique to aircraft applications.

BLADE MODELS		MAX CONTINUOUS		<TAKEOFF>		NOMINAL DIAMETER (FT)	APPROXIMATE WEIGHT (LB)
RIGHT	LEFT	SHp	RPM	SHp	RPM		
RFC11E1-6A	RFC11E2-6A	2,000	1,313	2,000	1,313	10.5	230.0
RFC11L1-OC	RFC11L2-OC	1,870	1,398	1,870	1,398	11.0	232.0
RFC11M1-6A	RFC11M2-6A	2,000	1,313	2,000	1,313	10.5	231.0
RFC11N1-6A	RFC11N2-6A	2,000	1,313	2,000	1,313	10.5	228.5
RFC11P1-OC	RFC11P2-OC	1,870	1,398	1,870	1,398	11.0	230.0
RFC11R1-OC	RFC11R2-OC	1,870	1,398	1,870	1,398	11.0	230.0
RFC11T1-OC	RFC11T2-OC	1,940	1,398	1,940	1,398	11.0	232.0
RFC11U1-6A	RFC11U2-6A	2,000	1,313	2,000	1,313	10.5	228.5
RFC11V1-OC	RFC11V2-OC	1,870	1,398	1,870	1,398	11.0	230.0
RFC11W1-OC	RFC11W2-OC	1,870	1,398	1,870	1,398	11.0	232.0
RFC11AA1-6A	RFC11AA2-6A	2,000	1,313	2,000	1,313	10.5	228.5
RFC11AC1-OC	RFC11AC2-OC	1,870	1,398	1,870	1,398	11.0	232.0
RFC11Y1-OC	RFC11Y2-OC	1,870	1,398	1,870	1,398	11.0	232.0
RFC11Z1-OC	RFC11Z2-OC	1,870	1,398	1,870	1,398	11.0	230.0
RFA12A1 POC		1,750	1,384	1,940	1,384	12.0	270.0

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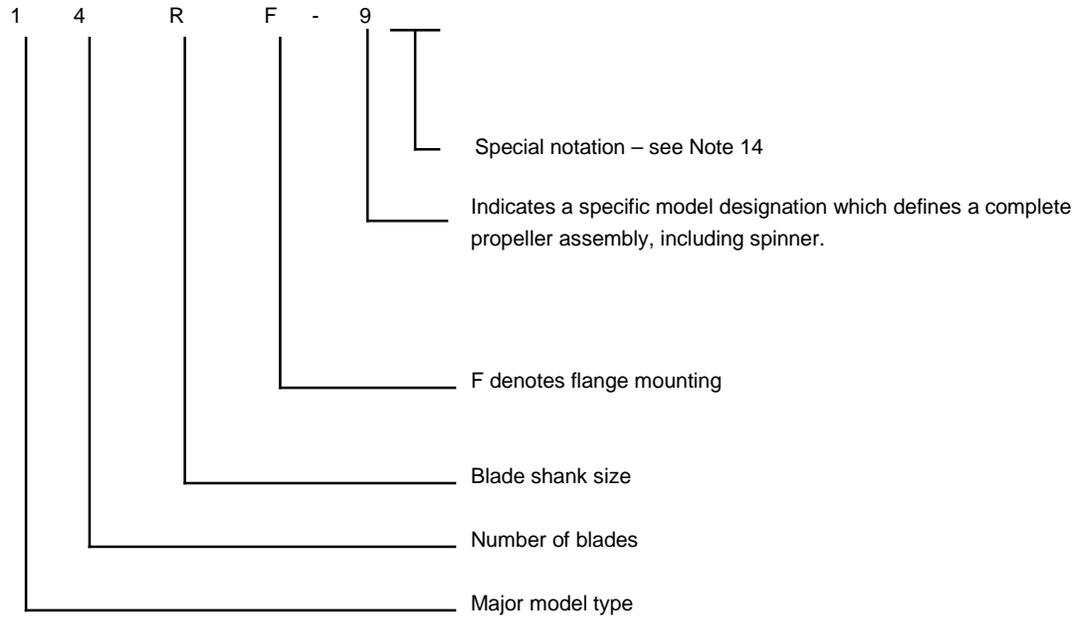
CERTIFICATION BASIS: FAR 35 through Amendment 7 dated December 28, 1995.

Model	14RF-9/10	14RF-19/20	14RF-21/22	14RF-23/24	14RF-35/36	14RF-37
TC Application Date	06/24/82	04/25/89	08/03/84	04/25/89	05/10/96	04/02/97
TC Issued	12/12/84	05/31/89	08/27/85	05/31/89	05/24/96	09/01/98

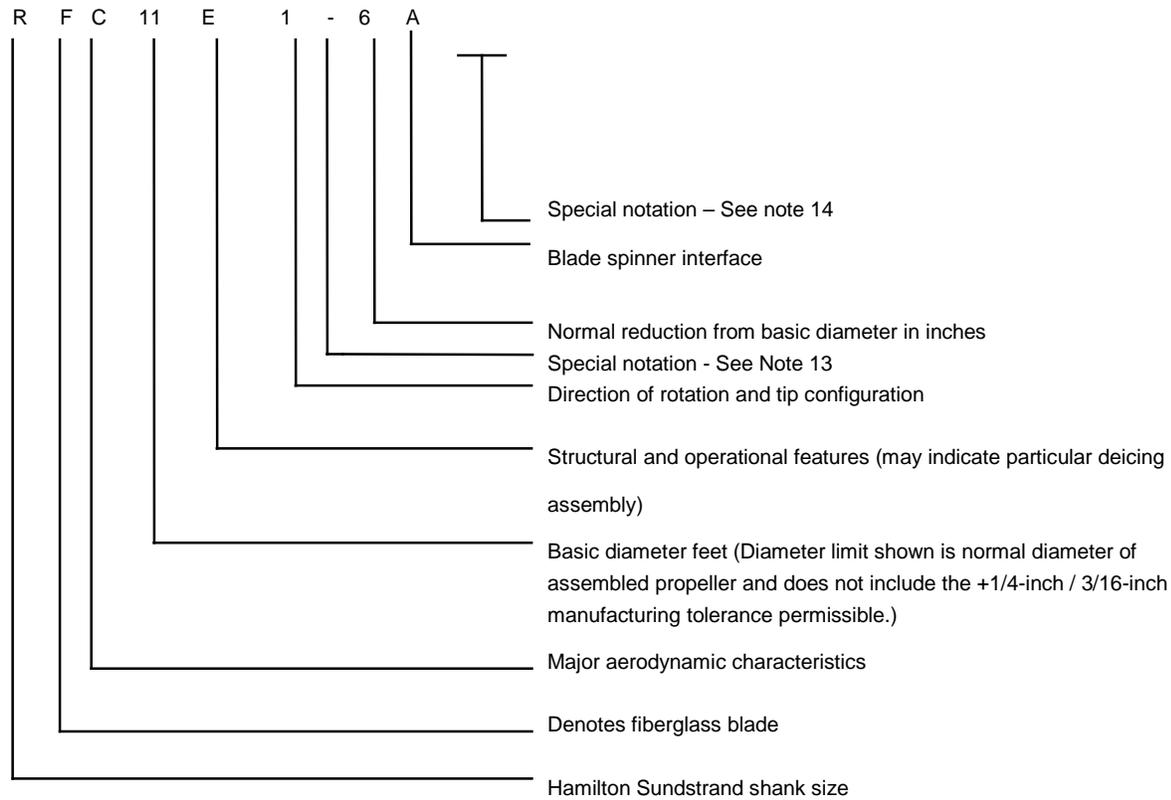
PRODUCTION BASIS: Production Certificate No. 14
 Propeller assemblies produced under FAA PC14 will have serial numbers in a date code format, YYYYMM####
 EASA Production Organization Approval Certificate FR.21G.0001 Propeller assemblies produced under EASA Certificate will have serial numbers in a date code format, FRYYYMM####.
 Y: Four digit year; M: Two digit month; #: Four digit incremental number

NOTES

NOTE 1: HUB MODEL DESIGNATION



NOTE 2: BLADE MODEL DESIGNATION



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| NOTE 3: | PITCH CONTROL: | Propeller control specified on approved model parts list. |
| NOTE 4: | (a) FEATHERING: | Full feathering with propeller control specified on approved model parts list. |
| | (b) REVERSING: | Full reversing with propeller control specified on approved model parts list. |
| NOTE 5: | LEFT-HAND MODELS: | The left-hand version of an approved propeller model has the same rating and diameter limitations as listed for the right-hand model. |
| NOTE 6: | INTERCHANGEABLE BLADES: | Not applicable. |
| NOTE 7: | ACCESSORIES: | (a) Propeller deicing: Electrical deicing system specified on approved model parts list and installed in accordance with the propeller manufacturer's instructions.

(b) Spinners: Spinner specified on approved model parts list. |
| NOTE 8: | SHANK FAIRINGS: | Not applicable. |

- NOTE 9: SPECIAL LIMITS: Airworthiness limitations, if any, are specified in System Maintenance Manual (SMM) P5186 for Model 14RF-9, in SMM P5189 for Model 14RF-21, in SMM P5199 for Model 14RF-19, and in SMM P5208 for 14RF-35, in SMM P5200 for Model 14RF-23, and in SMM 5209 for 14RF-37.
- NOTE 10: SPECIAL NOTES: Aircraft installations must be approved as part of the aircraft type certificate and demonstrate compliance with the applicable aircraft airworthiness requirements.
- NOTE 11: LIFE-LIMITED PARTS: See Note 9.
- NOTE 12: BLADES:
- (a) The RFC11E1-6A, RFC11M1-6A, RFC11N1-6A, RFC11U1-6A, and RFC11AA1-6A blades are for the use on the Model 14RF-9 propeller in sets of four. The left-hand versions of these blades are for use on the Model 14RF-10 propellers.
- (b) The RFC11L1-OC, RFC11P1-OC, RFC11R1-OC, RFC11V1-OC, RFC11W1-OC, RFC11Y1-OC and RFC11Z1-OC blades are for use on the Model 14RF-21 propeller in sets of four. The left-hand version of these blades are for use on the Model 14RF-22 propellers.
- (c) The RFC11T1-OC and RFC11AC1-OC blades are for use on the Model 14RF-19 and Model 14RF-23 and Model 14RF-35 propellers in sets of four. The left-hand version of these blades are for use on the Model 14RF-20, Model 14RF-24, and Model 14RF-36 propellers.
- (d) The RFA12A1 POC is for use on the Model 14RF-37 Propeller in sets of 4 only.
- NOTE 13: SPECIAL NOTATION: This position of the blade model designation normally consists of a hyphen. This hyphen is replaced by a letter to designate a special characteristic. The meaning of these letters is identified below.
- “P” is used to identify a blade that “as produced or manufactured” met specific requirements.
- “R” is used to identify a blade that has been reworked to meet specific requirements.
- NOTE 14: SPECIAL NOTATION: Additional markings may be present at the end of the core part number per instructions for continued airworthiness signifying that the blade, hub or actuator has been reworked to meet specific requirements.
- NOTE 15: MODEL PARTS LISTS FAA Approved Model Parts Lists (not inclusive) are:
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|----------|-------------------------------------|
| PL26524 | 14RF-1, for application on EMB-120 |
| PL26473 | 14RF-19, for application on SF-340B |
| PL27764 | 14RF-21, for application on CN-235 |
| PLK28106 | 14RF-37, for application on CN-235 |

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