

Civil Aviation Authority (UKCAA) originally certificated propeller (c)R184 under letter dated April 1959; propellers (c)R193 under its Type Certificate Number 104; and propellers (c) R212 and (c) R251 under its Type Certificate Number 107. The FAA validated this product under U.S. Type Certificate Number P-899. Effective September 28, 2003, the European Aviation Safety Agency (EASA) began oversight of this product on behalf of the United Kingdom of Great Britain and Northern Ireland.

TC (Import) No: UKCAA Type Certificate No. 104 for (c)R193
UKCAA Type Certificate No. 107 for (c)R212 and (c)R251

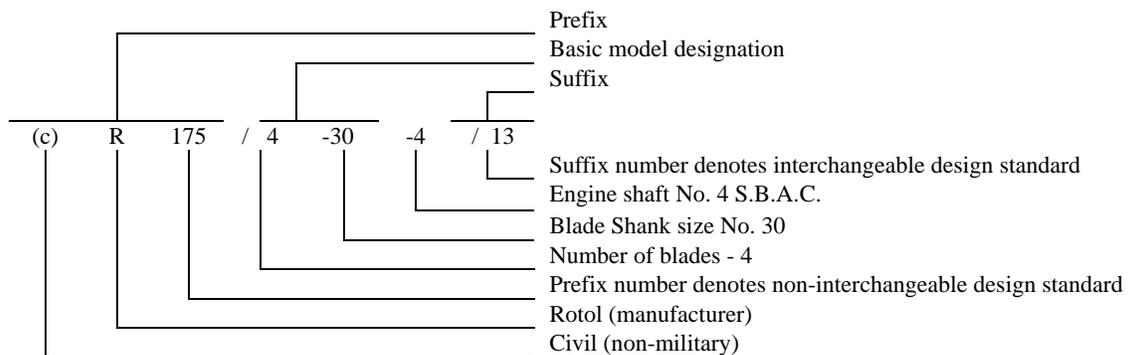
TC Application Date: May 30, 1956

TC Issued : September 6, 1957

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 UKCAA on behalf of the European Community which contains the following language:

- (1) This propeller conforms to its United States type design (TC No. P-899) and is 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 model designation of a complete Dowty Rotol propeller assembly (which includes all rotating parts and the brush gear group but excludes the spinner front shell assembly) consists of the basic model designation with prefix and suffix letters and numbers as shown below:



NOTE 2. Blade Model Designation. Dowty Rotol propeller blades are identified by a serialized part number only which does not constitute a model designation. A dash number following the part number indicates the type of finish.

NOTE 3. Pitch Control. Eligible only with Dowty Rotol constant speed control and synchronizing equipment.

NOTE 4. (a) Feathering. Eligible only with Dowty Rotol feathering unit and approved switches installed in accordance with propeller manufacturer's instructions.
(b) Reversing. Not applicable.

NOTE 5. Left-Hand Model. These propellers are designed and manufactured for left-hand tractor only.

NOTE 6. Interchangeable Blades
Only blades of the same part numbers are interchangeable and may be incorporated in the same

propeller.

NOTE 7.

Accessories.

- (a) Propeller deicing. Eligible with only Dowty Rotol electric deicing equipment installed in accordance with the propeller manufacturer's instructions.
- (b) Spinners. Eligible only with spinners designed and supplied by Dowty Rotol.

NOTE 8.

Not applicable.

NOTE 9.

Approved Installations. Propellers listed in this specification are approved only for use in the engine-aircraft combinations shown below:

Propeller Model	Aircraft Model	TC Data Sheet	Engine Model	TC Data Sheet
(c)R175/4-30-4/13 (see Note 10(b))	Fairchild F-27, F-27B	7A1	511, 511-7E, 514-7	E-283
(c)R175/4-30-4/13e (see Note 10(b))	Fokker F-27 (Marks 100, 300, and 700)	A-817	511, 511-7E, 514-7	E-283
(c)R184/4-30-4/50 (see Note 10(b))	Grumman G-159	1A17	529, 529-8E, 529-8H, 529-8X	E-297
(c)R186/4-30-4/16 (see Note 10(b))	Armstrong Whitworth AW-650 (Argosy)	7A9	526	E-297
(c)R187/4-30-4/18 (see Note 10(a))	Handley Page Herald	A21N	527	E-297
(c)R193/4-30-4/50 and 61 (see Note 10(b))	Fokker F-27 (Marks 200, 400, 500 & 600)	A-817	528-7E, 532-7, 532-7R, 535-7R, 551-7R	E-297
	Fairchild F-27A	7A1	528, 528-7E	E-297
	Fairchild F-27F	7A1	529-7E	E-297
	F-27G	7A1	532-7	E-297
	Fairchild F-27J	7A1	532-7	E-297
	Fairchild Hiller FH-227	7A1	532-7	E-297
(c)R193/4-30-4/65 (see Note 10(b))	Fokker F-27 Marks 200, 400, 500, and 600		551-7	
(c)R257/4-30-4/60 (see Note 10(a))	Fairchild Hiller FH-227B, FH-227C	7A1	532-7	E-297
	Fairchild-Hiller FH-227D, FH-227E	7A1	532-7L	E-297
	Fairchild F-27M	7A1	532-7N	E-297
(c)R212/4-30-4/22 (see Note 10(a))	H.S.A. 748 Series 2A and 2B	A24EU	532-2L, 535-2	E-297
(c)R212/4-30-4/22 (see Note 10(a) & (c))	Super DC-3	STC SA324WE	532-2L, (water methanol: deleted)	E-297
(c)R184/4-30-4/50 (see Note 10(b))	Stretched G-159	STC SP118050	529, 529-8E, 529-8H, 529-8H	E-297
(c)R251/4-30-4/49 (see Note 10(a))	H.S.A. 748 Series 2A an 2B	A24EU	532-2L, 535-2	E-297

- NOTE 10.
- (a) Propellers (c)R187/4-30-4/18; (c)R212/4-30-4/22; (c)R251/4-30-4/49 and (c)R257/4-30-4/60. During ground running, continuous operation between 8,500 - 9,500 engine r.p.m. is to be avoided.
 - (b) Propellers (c)R175/4-30-4/50; (c)R184/4-30-4/50; R186/4-30-4/16 and (c)R193/4-30-4/50, 61 and 65. Continuous running below 7,000 engine r.p.m. is prohibited.
 - (c)
 1. Applies to Rolls-Royce Dart 532-2L engines with water methanol system deleted and operated at a maximum power of 1950 s.h.p. at 15,000 turbine r.p.m.
 2. All static ground running at takeoff r.p.m. must be done with the aircraft facing into the wind plus or minus 60°, when the wind velocity exceeds 15 knots.

NOTE 11. Propeller component life limits are as quoted in Dowty Rotol Service Bulletins No. 61-542 and 61-954 series.

NOTE 12. Special Notes. The word "eligible" as used herein does not signify approval as part of this type certificate. "Eligible" accessories and pitch controls must be approved as part of the aircraft type certificate upon compliance with the applicable aircraft airworthiness requirements.

NOTE 13. 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 UKCAA. 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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