

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

P-807
Revision 12
Beechcraft
R201, R202, R203
September 23, 2013

**TYPE CERTIFICATE DATA SHEET NO. P-807**

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 as indicated herein in accordance with pertinent aircraft specifications and applicable portions of the Civil Air Regulations provided they are installed, operated and maintained as prescribed by the manufacturer.

Type Certificate Holder	Beechcraft Corporation 10511 East Central Wichita, KS 67206
Type Certificate Holder Record	Beech Aircraft Company transferred to Raytheon Aircraft Company on April 15, 1996  Raytheon Aircraft Company transferred to Hawker Beechcraft Corporation on March 26, 2007  Hawker Beechcraft Corporation transferred to Beechcraft Corporation on April 12, 2013
Type Engine shaft	Manually controllable; electric (see NOTES 3 and 4).
Hub material	SAE #20
Blade material	Steel
	See below.

Blades Eligible (See Note 2)	Maximum <u>Continuous</u>		<u>Takeoff</u>		Diameter Limits	Approx. Max. Wt. Complete (for reference only) (See Note 3)	Blade Construction
	HP	RPM	HP	RPM			
R201-200-85 to R201-200-82	200	2550	200	2550	85" - 82"	60 lbs.	Laminated birch veneer with fabric from 29" sta. to tip with brass, Everdur, or stainless steel tipping.
R201-209-96 to R201-209-93	210	1925	210	1925	96" - 93"	63 lbs.	Laminated birch veneer with fabric from 29" sta. to tip with brass, Everdur, or stainless steel tipping.
R201-211-88 to R201-211-85	200 or 240	2550 or 2200	200 or 246	2550 or 2420	88" - 85"	61 lbs.	Laminated birch veneer with fabric from 29" sta. to tip with brass, Everdur, or stainless steel tipping.
R201-217-88 to R201-217-85	185	2300	185	2300	88" - 85"	67 lbs.	Laminated birch veneer with fabric from 29" sta. to tip with brass, Everdur, or stainless steel tipping.
R203-218-88 to R203-218-85	185	2300	185	2300	88" - 85"	67 lbs.	Laminated birch veneer with cellulose nitrate covering all over, with brass, Everdur, or stainless steel tipping.

**Blade Material** (cont'd)

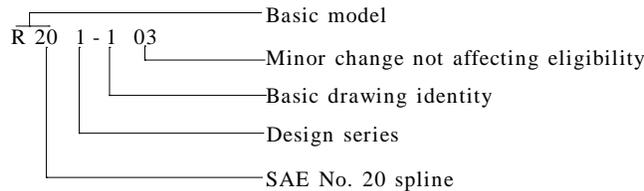
R201-237-88 to R201-237-85	200 or 240	2550 or 2200	200 or 246	2550 or 2420	88" - 85"	61 lbs.	Laminated birch veneer with cellulose nitrate covering all over, with brass, Everdur or stainless steel tipping.
*FA203-218-88 to FA203-218-85	185	2300	185	2300	88" - 85"	67 lbs.	Laminated birch veneer with cellulose nitrate covering all over, with brass, Everdur or stainless steel tipping.

Blades Eligible (See Note 2)	Maximum Continuous		Takeoff		Diameter Limits	Approx. Max. Wt. Complete (for reference only) (See Note 3)	Blade Construction
	HP	RPM	HP	RPM			
*FA203-219-88 to FA203-219-85	185	2300	185	2300	88" - 85"	67 lbs.	Laminated birch veneer with cellulose nitrate covering all over, with brass, Everdur or stainless steel tipping.
*FA203-220-90 to FA203-220-88	245	1990	260	2180	90" - 88"	67 lbs.	Laminated birch veneer with cellulose nitrate covering all over, with brass, Everdur, or stainless steel tipping.

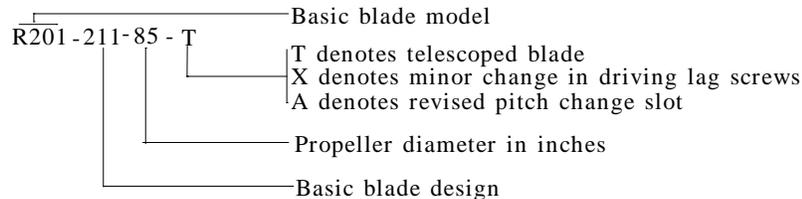
\*Blades remanufactured by Flottorp Manufacturing Company under TC 875 and PC 4, or by Universal Aircraft Industries under TC 875 (see P-875).

Number of blades 2  
 Hub model eligible R201-100, R202-100, R203-100 series (see NOTE 1)  
 Certification basis Type Certificate No. 807. (Except Universal and Flottorp blades)  
 Production basis Production Certificate No. 501. (Except Universal and Flottorp blades)

NOTE 1. Hub Model Designation



NOTE 2. Blade Model Designation



Telescoped blades are eligible at the same rating and diameter limitations as cutoff blades.

NOTE 3. Pitch Controls. Eligible with:

- (a) Beech Aircraft Corp.
  - R203-400-A Manual Weight - 4 lbs.
  - R203-400-D (Manual electric) Weight - 5 lbs.
  - R203-400-E (Manual electric) Weight - 5 lbs.
  - R203-400-F (Manual electric) Weight - 5 lbs.
- (b) Flight Engineering Research Corp. Governor, Model 31A, Weight 4-1/8 lbs. (including replacement of Beech electric pitch control motor by Flight Engineering Research Corp. electric pitch control rotor without weight increase.)

- NOTE 4.
  - (a) Feathering. Not applicable.
  - (b) Reversing. Not applicable.

- NOTE 5. Left-Hand Models. 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. Only blades listed in the following group are sufficiently similar aerodynamically to permit interchangeability in the same diameter without a flight test. Blades with different model numbers, however, should not be incorporated in the same propeller, and reference should always be made to the ratings of the blades.
- |     |          |          |           |           |
|-----|----------|----------|-----------|-----------|
| (a) | R201-217 | R203-218 | FA203-218 | FA203-219 |
| (b) | R201-211 | R201-237 |           |           |
- NOTE 7. Accessories. Not applicable.
- NOTE 8. Shank Fairing. Not applicable.
- NOTE 9. Special Limits. Not applicable.
- NOTE 10. The manufacturer is authorized to apply plastic covering to certain propeller blades during manufacture, or as a service rework. Blades eligible for rework and corresponding designations are:
- |     |                         |                               |
|-----|-------------------------|-------------------------------|
|     | <u>Varnished blades</u> | <u>Plastic covered blades</u> |
| (a) | R201-217                | R202-218                      |
| (b) | R201-211                | R202-237                      |

....END....