

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

P-875 Revision 11
R. HUNT PROPELLER TARVER (BROWN PROPELLER) (SOUTH 80) (UNIVAIR) (FLOTTORP)
FA-200 FA-203 Replacement Blades
SEPTEMBER 17, 2007

TYPE CERTIFICATE DATA SHEET NO. P-875

Propellers of models described herein conforming with this data sheet (which is part of Type Certificate No. 875) 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                      R. Hunt Propeller Co.  
6400 Tripp Road  
Chinca, Michigan 48054

Tarver Propellers, LLC  
1500 Rio Vista Drive, Hangar C4  
Fallon, Nevada 89406

Type    Constant speed or manually controllable (See NOTE 3). The propellers consist of Beech Aircraft Corporation hubs and controls, and South 80, Univair, Flottorp Manufacturing Co., or Tarver replacement blades. The Beech identification shall be retained on the hub, whereas South 80, Univair, Flottorp or Tarver identification shall be confined to the blades only.

Engine Shaft                                      SAE No. 20 spline

Hub Material                                      Steel

Blade Material                                      These replacement blades incorporate used metal parts from similar Beech blades, but are  
fabricated from a new laminated birch or maple veneer blank, using new cellulose acetate plastic covering all over, with new brass, Everdure, or stainless steel tipping.

No. of Blades                                      2

Hub Models                                      Beech hub models R201-100, R202-100, R203-100 series. See Propeller Data Sheet P-807. In addition to the Beech blades listed on P-807, South 80, Univair, Flottorp, or Tarver FA203-218, FA203-219, and FA203-220 blades are eligible for use in these hubs.

Beech hub models B200-100 series. See Propeller Data Sheet P-867. In addition to the Beech blades listed on P-867, South 80, Univair, Flottorp, or Tarver FA-200-244 and FA-200-245 blades are eligible for use in these hubs.

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Blades Eligible (See Note 2)	Maximum Continuous		Takeoff		Diameter Limits	Approx. Maximum Weight Complete (For reference only) (See Note 3)
	HP	RPM	HP	RPM		
<u>Hub Model B200-100</u>						
FA200-244-88 to FA200-244-85	250	2550	275	2805	88" - 85"	67 lbs.
FA200-245-88 to FA200-245-85	250	2550	275	2805	88" - 85"	56 lbs.
<u>Hub Models R201-100, R202-100, R203-100</u>						
FA203-218-88 to FA203-218-85	185	2300	185	2300	88" - 85"	67 lbs.
FA203-219-88 to FA203-219-85	185	2300	185	2300	88" - 85"	67 lbs.
FA203-220-90 to FA203-220-88	245	1990	260	2180	90" - 88"	67 lbs.

Certification Basis

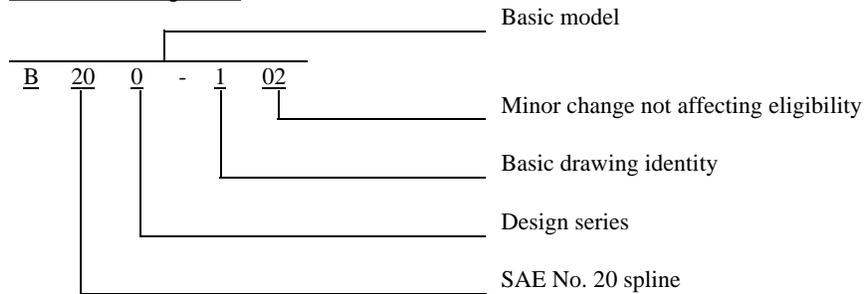
Civil Air Regulations Part 14 effective November 1, 1949.  
 Type Certificate No. 875 issued May 24, 1950  
 Date of application for Type Certificate unavailable.

Production Basis

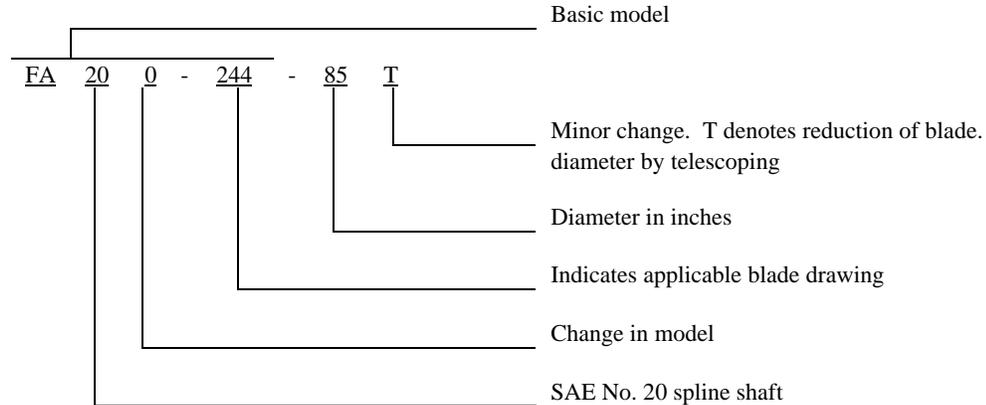
None

NOTE 1.

Hub Model Designation.



NOTE 2. Blade Model Designation. The dash and number added to the blade drawing number indicates the propeller diameter in inches. This number suffixed by the letter "T" indicates that the basic diameter has been reduced by telescoping. Telescoped blades are eligible at the same rating and diameter limitations as cutoff blades. The suffix "X" indicates a minor change in driving the lag screws. The suffix "A" indicates revised pitch change slot. For example:



NOTE 3.

Pitch Controls Eligible.

- (a) Beech Model B200-100 hubs
- (1) Beech controls
    - Manual - 2 lbs.
    - Electric - 3 lbs.
  - (2) Beech electric constant speed control components.
    - Adapter Beech B200-238 - 4 lbs.
    - Governor Beech B200-237 - 3 lbs.
    - Governor Beech B200-250 - 3 lbs.
    - Motor Beech B300-236 - 2 lbs.
  - (3) Flight Research Engineering electric constant speed components
    - Governor Model 31A - 7 lbs.
    - Motor - 5 lbs.
- (b) Beech Model R201-100, R202-100 hubs
- (1) Beech R203-400-A (Manual) - 4 lbs.
  - (2) Beech R203-400-D (Manual electric) - 5 lbs.
  - (3) Beech R203-400-E (Manual electric) - 5 lbs.
  - (4) Beech R203-400-F (Manual electric) - 5 lbs.
  - (5) Flight Research Engineering governor Model 31A - 4-1/8 lbs. (including replacement of Beech electric pitch control motor with Flight Research Engineering electric pitch control motor 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 in the same group of the following listed groups are sufficiently similar aerodynamically to permit interchangeability in the same diameter without a flight test:

- (a) FA203-218 FA203-219 \*R201-217 \*R203-218  
(b) FA200-244 FA200-245 \*B200-220 #B200-234 #B200-244 #B200-264

\* Beech Aircraft Corp. blades. See P-807.  
# Beech Aircraft Corp. blades. See P-867.

NOTES 7, 8 and 9. Not applicable.

NOTE 10. 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.

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