

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

P-911 Revision 9 McCAULEY 2AF36C D2AF36C July 7, 2006
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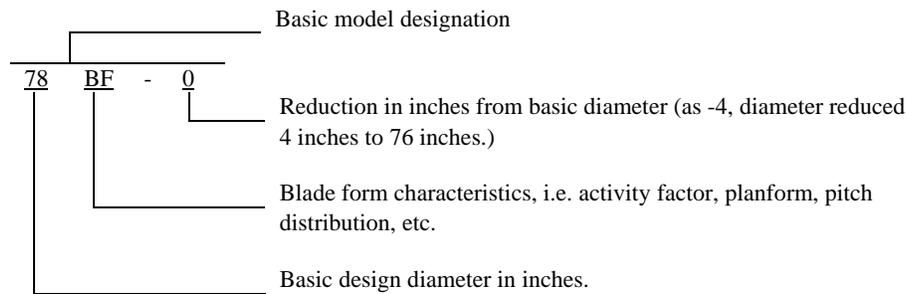
TYPE CERTIFICATE DATA SHEET NO. P-911

Propellers of models described herein conforming with this data sheet (which is part of propeller type certificate No. 911) 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 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	McCauley Propeller Systems 7751 East Pawnee Wichita, KS 67207
Type	Constant speed; hydraulic (see NOTES 3 and 4)
Engine shaft	Special flange 4 in. B.C.
Hub material	Aluminum alloy
Blade material	Aluminum alloy
No. of blades	2
Hubs models eligible	2AF36C26, 2AF36C38, 2AF36C39, 2AF36C68, 2AF36C89, D2AF36C48

Blades	Maximum <u>Continuous</u>		<u>Takeoff</u>		Diameter Limits (See NOTE 2)	Approx. maximum weight complete (For reference only) (See NOTE 3)
	HP	RPM	HP	RPM		
<u>Hub Models 2AF36C26, D2AF36C48</u>						
90MF-0 to 90MF-12	265	2700	265	2700	90" - 78" (-0 to -12)	68 lb.
<u>Hub Model 2AF36C38</u>						
100RF-6 to 100RF-16	310	2400	310	2400	94" - 84" (-6 to -16)	77 lb.
<u>Hub Model 2AF37C39</u>						
78BF-0 to 78BF-4	265	2700	265	2700	78" - 74" (-0 to -4)	71 lb.
78BFM-0 to 78BFM-4	265	2700	265	2700	78" - 74" (-0 to -4)	71 lb.
<u>Hub Model 2AF36C68</u>						
100RFM-6 to 100RFM-16	310	2400	310	2400	94" - 84" (-6 to -16)	77 lb.

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NOTE 2. Blade Model DesignationNOTE 3. Pitch Control. Eligible with the following governors:

Woodward Model x,210,xxx	Wt. 3.5 lb.
Hoof Model 1,000,007 Series	Wt. 3.5 lb.
McCauley Model CF310D1 or D2/T[X]	Wt. 3.0 lb.
CFS 310D1 or D2 or D3/T[X]	Wt. 3.0 lb.
CFU 310D1 or D2/T[X]	Wt. 3.0 lb.
CFUS 310D1 or D2 or D3/T[X]	Wt. 3.0 lb.
DCF 290D1 or D2/T[X]	Wt. 3.0 lb.
DCFS290D1 or D2/T[X]	Wt. 3.0 lb.
DCFU 290D1 or D2/T[X]	Wt. 3.0 lb.
DCFUS290D1 or D2/T[X]	Wt. 3.0 lb.

NOTE 4. Feathering. Eligible with full feathering control installed in accordance with the propeller manufacturer's instructions.NOTE 5. Left-Hand Models. The left-hand version of an approved model is eligible at the same rating and diameter limitations as listed for the right-hand model.NOTE 6. Not applicable.NOTE 7. Accessories.

(a) Propeller Anti-Icing

- (1) Model 78BF and 78BFM Blades eligible with Goodrich 37572 fluid feed shoes, 9 inches maximum length, and model 78BFS Blades eligible with Goodrich 37572 fluid feed shoes, 10 inches maximum length, when applied in accordance with McCauley or Beech (Beech Specifications (BS-388) instructions.
- (2) Model 90MF Blade eligible with Goodrich 37572 fluid feed shoes, 12 inches maximum length, when applied in accordance with McCauley or Goodrich instructions.
- (3) Model 100RF and 100RFM blades eligible with Goodrich 37572 fluid feed shoes, 12 inches maximum length, when applied in accordance with McCauley or Goodrich instructions.

(b) Spinners

- (1) Model 2AF36C26/90MF eligible with McCauley spinners; Reference D-2492 Dome, D-2493 Bulkhead, and D-2496 installation or D-2840 Dome, D-2878 Bulkhead, and D-2844 installation.
- (2) Model 2AF36C39/78BF, 2AF36C39/78BFM, and 2AF36C39/78BFS eligible with McCauley plain or anti-icing spinners; reference D-2747 Dome, D-2870 Bulkhead, and D-2749 installation or D-2793 Dome, D-2801 Bulkhead, and D-2802 or PD-2802 installation.
- (3) Model D2AF36C48/90MF eligible with McCauley plain or anti-icing spinners; reference D-2840 Dome, D-3011 Bulkhead, and D-3012 installation or D-2849 Dome, D-3040 Bulkhead, and D-3052 installation.
- (4) Model 2AF36C38/100RF and 2AF36C68/100RFM eligible with McCauley plain or anti-icing spinners; reference D-2889 Dome, D-2878 Bulkhead, and D-2890 installation or D-2892 Dome, D-2891 Bulkhead, and D-2893 installation.

NOTE 8. Not applicable.

NOTE 9.

Table of Propeller-Engine Combinations
Approved Vibrationwise for Use on Normal Category Single-Engine Tractor Aircraft

The maximum and minimum propeller diameters that can be used from a vibration standpoint are shown below. No reduction below the minimum diameter listed is permissible, since this figure includes the diameter reduction allowable for repair purposes.

<u>Hub Model</u>	<u>Blade Model</u>	<u>Engine Model</u>	<u>Max. Diameter (Inches)</u>	<u>Min. Diameter (Inches)</u>	<u>Placards</u>
2AF36C	90MF	Continental O-470-B	84	78	None
		Continental O-470-M	90	78	None
		Continental IO-470-D	90	78	None
	78BF	Continental IO-470-L	78	76	None
	78BFM	Continental IO-470-L	78	76	None
	78BFS	Continental IO-470-L Up to 260 hp. @2625 r.p.m. using two 5th order and two 6th order dampers	78	76	None
	100RF or 100RFM	Continental GIO-470 Up to 310 hp. @3200 r.p.m. with six 3rd order crankshaft damper configuration	90	88	None
D2AF36	90MF	Continental IO-470-D	90	78	None

NOTE 10. The word "eligible" as used herein does not signify approval. For Approval, compliance with the applicable aircraft airworthiness requirements is necessary.

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