

**DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION**

A-792 ALL AMERICAN 10A October 11, 1954
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AIRCRAFT SPECIFICATION NO. A-792

Manufacturer All American Aircraft, Inc.
 1311 West Pacific Coast Highway
 Harbor City, California

I - Model 10A, 2 PCLM (Normal Category), Approved June 14, 1954

Engine	Continental C-85-12FJ
Fuel	80 min. grade aviation gasoline
Engine limits	For all operations, 2575 rpm (85 hp)
Airspeed limits	Maneuvering 104 mph (90 knots) True Ind. Maximum structural cruising 130 mph (113 knots) True Ind. Never exceed 164 mph (143 knots) True Ind.
C.G. range	(+93.7) to (+97.5)
Empty weight C.G. range	(+93.1) to (+96.2). When empty weight C.G. falls within this range, computation of critical fore and aft positions is unnecessary. See NOTE 1 for further C.G. information.
Datum	Fuselage Sta. 0, 100 in. fwd. of jig point (No. 40 hole on lower center line of airplane at fwd. face of front spar). Ref. All American Dwg. 100010.
Leveling means	Leveling lugs furnished with airplane to replace the two screws on left side of fuselage below canopy ledge on fuselage frames at (+100) and (+121.6). Ref. All American Dwg. 100010.
Maximum weight	1575 lbs.
No. seats	2. (+96)
Maximum baggage	50 lbs. (+114)
Fuel capacity	20 gals. (One tank) (+111) (See NOTE 1 for unusable fuel)
Oil capacity	4.5 qts. (+44)
Control surface movements	Elevator (Primary control) Up 28 degrees Down 11 degrees (Bungee trim control) Up 12 degrees Down 8 degrees Ailerons Up 15 degrees Down 15 degrees Rudder Right 25 degrees Left 25 degrees
Serial Nos. eligible	3 and up
Required equipment	In addition to the pertinent required basic equipment specified in CAR 3, the following items of equipment must be installed: 1, 101, 102, 103, 201(a), 202, 206(a), 207, 210, 301, 302 and 401.

Specifications Pertinent to All Models

Certification basis	Type Certificate No. 792 (CAR 3).
Production basis	None. Prior to original certification a CAA agent must perform a detailed inspection for workmanship, materials, and conformity with the approved technical data and a check of the flight characteristics.
Export eligibility	Eligible for export to all countries subject to the provisions of MOP 2-4, except as follows: (a) Canada - Landplane - eligible Skiplane - not eligible

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Equipment A plus (+) or minus (-) sign preceding the weight of an item of equipment indicates net weight change when that item is installed. Approval for the installation of all items of equipment listed herein has been obtained by the aircraft manufacturer except those items preceded by an asterisk (*). The asterisk denotes that approval has been obtained by someone other than the aircraft manufacturer. An item marked with an asterisk may not have been manufactured under a CAA monitored or approved control system, and therefore attention should be paid to workmanship and conformity with pertinent data called for in this specification.

Propeller and Propeller Accessories

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|----|---|---------------|
| 1. | Propeller - Sensenich M76AK-2 | 24 lbs. (+24) |
| | Static rpm with maximum permissible throttle setting: | |
| | Not over 2350, not under 2250. | |
| | No additional tolerance permitted. | |
| | Diameter: Not over 74 in., not under 72 .5 in. | |

Engine and Engine Accessories - Fuel and Oil Systems

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|------|--|-----------------|
| 101. | Generator, Delco-Remy | 10 lbs. (+50.0) |
| 102. | Voltage regulator, Delco-Remy | 1 lb. (+54.5) |
| 103. | Oil cooler, Continental Equipment No. 5198 | 5 lbs. (+39.5) |
| 104. | Starter, Delco-Remy | 16 lbs. (+50.0) |

Landing Gear

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| 201. | Two main wheel-brake assemblies, 6.00-6, Type III | |
| | (a) Firestone Model CFA224 | 14 lbs. (+107.0) |
| | Wheel Assembly No. DFA178 | |
| | Brake Assembly No. CFA271 | |
| 202. | Two main wheel 4-ply rating tires, 6.00-6, Type III, with regular tubes | 19 lbs. (+107.0) |
| 206. | One nose wheel, 5.00-4, Type III | |
| | (a) Firestone Model 5C2M-1 | 3 lbs. (+47.0) |
| 207. | One nose wheel 6-ply rating tire, 5.00-4, Type III, with regular tube | 6 lbs. (+47.0) |
| 210. | Shimmy damper, Houdaille-Hershey Model O1A-18045 shock absorber modified per All American Dwg. 104030 E.O. 1 | 6 lbs. (+50.0) |

Electrical Equipment

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| 301. | Battery, Willard SYW-7-6, 12V | 16 lbs. (+54.0) |
| 302. | Battery vent installation, All American Dwg. 108020, E.O. 2 | 1 lb. (+54.0) |

Interior Equipment

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| 401. | CAA approved Airplane Flight Manual |
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NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty must be in each aircraft at the time of original certification and at all times thereafter. Satisfactory loading instructions, placards, or corrective ballast must be provided when necessary. (All American Aircraft Dwg. 103221 E.O. #2 provides an approved method for installing ballast weights up to 10 lbs. on the fwd. face of the aft bulkhead at Sta. 246.25. The C.G. of ballast weight should be used.)

The certificated weight empty and corresponding C.G. location must include 0.4 gal. unusable fuel.

NOTE 2. The following placards must be displayed on the instrument panel in full view of the pilot:

- (a) "This airplane must be operated in compliance with the limitations in the CAA Approved Airplane Flight Manual."
- (b) "No acrobatic maneuvers, including spins, approved."
- (c) "No smoking."
- (d) "Canopy must be closed during flight."
- (e) "Solo from left seat only."
- (f) Placard on Master Switch to read:

PULL "Pos. 1 - Battery"

"Pos. 2 - Bat. - Gen."

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