

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

A-2-599
FAIRCHILD
M-84-C

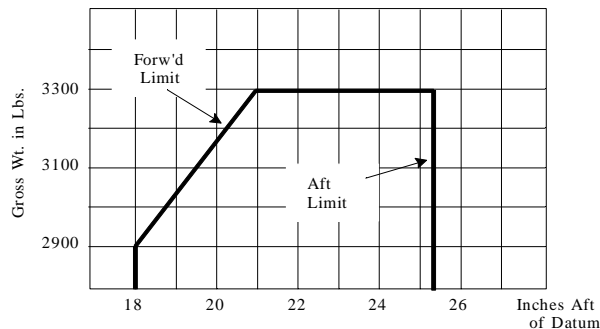
December 19, 1949

AIRCRAFT SPECIFICATION NO. A-2-599

Manufacturer Fairchild Engine and Airplane Corporation
Hagerstown, Maryland

I - Model M-84-C, 4 PCLM, Approved September 12, 1949

Engine Continental W-670-6N
Fuel 80 minimum octane aviation gasoline
Engine limits For all operations, 2075 rpm (220 hp)
Airspeed limits Level flight or climb 150 mph True Ind.
Glide or dive 202 mph True Ind.
Flaps extended 106 mph True Ind.
C.G. range (+18.1) to (+25.2) at 2900 lbs.
(+21.1) to (+25.2) at 3300 lbs.
Straight line variation between points given.
Effect of retracting landing gear 0 in, lbs.



Empty weight C.G. range None
Datum Leading edge of wing at root section
Leveling means Lugs on front and rear stabilizer attachment belts, left side.
Maximum weight 3300 lbs.
No. seats 4 (2 at +12, 2 at +62)
Maximum baggage 50 lbs. (+86)
Fuel capacity 48 gals. (+39)
Oil capacity 4.1 gals. (-26)
Control surface movements
Aileron 34° up 25.5° down
Flaps 55° down
Elevator 26° up 25° down
Elevator trim tabs 3° up 26° down
Rudder 34° left 31° right
Serial Nos. eligible 6200 only
Required equipment Items 1, 2, 201, 202, 204, 301, 302, 303

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Specifications Pertinent to All Models

Certification basis	Airworthiness Certificate only (CAR 4a.031)
Export eligibility	Eligible for export to all countries except as follows, subject to the provisions of ASR No. 312 (MOP 2-4 contains same information): Canada - landplane - eligible skiplane - not eligible.

Equipment: A Plus (+) or minus (-) preceding an item of equipment indicates net weight change when that item is installed.

Propellers and Propeller Accessories

- | | | |
|----|--|---------------|
| 1. | Propeller-Beech Controllable, Hub Model R201-100, Blades Model R201-211
Diameter: Not over 88 in., not under 86 in.
High pitch setting 20.5°, Low pitch setting 8.0°
Blade angle determined at 30 in. radius
Propeller must be indexed in the zero position on the crankshaft. | 56 lbs. (-62) |
| 2. | Propeller controls
Electric Motor, Control and Installation | 6 lbs. (-28) |

Landing Gear

- | | | |
|------|--|---------------|
| 201. | Two main wheel-brake assemblies, 7.50-10, Type III.
(a) Goodrich Model 752M
Wheel Assembly No. G-3-73M
Brake Assembly No. G-2-122 | 26 lbs. (+9) |
| 202. | Main wheel 4-ply-rating tires, 6.50-10, Type III with tubes | 32 lbs. (+9) |
| 204. | Tail wheel assembly, 10 in. Type I
(a) Variety Model VGC-10-10, full swiveling steerable, with 6-ply-rating tire and tube | 6 lbs. (+216) |

Electrical Equipment

- | | | |
|------|-------------------------------------|---------------|
| 301. | Generator-Eclipse Type 308, Model 4 | 16 lbs. (-34) |
| 302. | Battery-Reading Model R-24-L | 25 lbs. (+85) |
| 303. | Starter-Eclipse Model E-801 | 8 lbs. (-33) |

NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be in the aircraft at the time of original certification and at all times thereafter.

NOTE 2. The following placards must be displayed in front of and in clear view of the pilots:
"Intentional spinning prohibited."
"Use 80 minimum octane aviation gasoline."

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