

CIVIL AERONAUTICS ADMINISTRATION

A-535 Revision 1 FAIRCHILD 24 C8C 24 C8CS  March 14, 1949
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AIRCRAFT SPECIFICATION NO. A-535

Manufacturer Fairchild Personal Planes Division of  
Fairchild Engine and Airplane Corporation  
Winfield, Kansas

I - Models 24 C8C, 3 PCLM: 24 C8CS, 3 PCSM

Engine	WARNER SUPER SCARAB
Engine limits	For all operations, 2050 rpm (145 hp)
Airspeed limits	Flaps extended 94 mph True Ind.
Propeller limits	Not available for fixed pitch propellers
C.G. range	Not available except for 24 C8C, serials 2679 and up with wing flaps: (+17.0) to (+23.5)
Empty weight C.G. range	None
Maximum weights	Landplane: Serials 2600 to 2660 incl.: 2150 lbs. Serial 2661 and up: 2400 lbs. Seaplane: Serials 2600 to 2660 incl.: 2390 lbs. (with L-2260 floats) 2431 lbs. (with 44-2425 floats) Serial 2661 and up: 2550 lbs.
No. seats	3
Maximum baggage	Landplane: Serials 2600 to 2660 incl., without flaps: 23 lbs. (as 3 place) 193 lbs. (as 2 place) Serials 2661 and up, without flaps: 170 lbs. Serials 2679 and up, with flaps: 100 lbs. Seaplane: Serials 2600 to 2660 incl.: none Serial 2661 and up: 46 lbs.
Fuel capacity	40 gals. (20 gal. tank in each wing) (See Item 311)
Oil capacity	3 or 5 gals.
Serial Nos. eligible	2600 and up manufactured prior to Sept. 30, 1939. Approval expired as of that date.
Required equipment	Landplane: Items 101, 103, 104, 105, 106 and 107 Seaplane: Items 101, 103, 104, 155, 156 and 301 NOTE: Landplane serial numbers 2600 to 2660 may have tail wheel shock absorber unit with spring or spring plus oleo. Serial numbers 2661 and up must have spring plus oleo unit. NOTE: Seaplane type must have auxiliary fin installed. The fitting at the forward attachment of the auxiliary fin must have two gussets (one on each side). Landplane and seaplane type fuselages differ structurally. Seaplane type has several stronger members in fuselage in addition to rear front brace strut fittings.

Specifications Pertinent to all Models

Datum	Wing leading edge
Leveling means	Not available
Certification basis	Approved Type Certificate No. 535 (expired) (Aero. Bulletin 7-A).
Export eligibility	(Will be furnished upon request to Office of Aviation Safety, Washington, D.C.)

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

Propellers and Propeller Accessories

105. Propeller - fixed pitch wood	29 lbs.
301. Propeller - adjustable metal - Ham. Std. hub 7056, blades 19B1/2 -16 or -17 Diameter - not over 7' 2", not under 7' 1/4"	+33 lbs.
313. Propeller - fixed pitch metal - Curtiss 55511	Use actual wt. change

Engines and Engine Accessories - Fuel and Oil System

101. Engine ring cowl	13 lbs.
104. Starter	19 lbs.
305. Heater and ventilation	4 lbs.
311. Auxiliary 20 gal. fuel tank replacing rear passenger seat (Baggage may be increased 39 lbs.)	11 lbs.
358. Oil radiator	10 lbs.

Landing Gear and Floats

102. Wheel Streamlines	11 lbs.
106. 6.50-10 wheel with brakes	
107. 8 inch streamline tail wheel	
155. Auxiliary fin replacing tail wheel	
156. Floats (a) Edo L-2260 or (b) Edo 44-2425	
312. Skis: Fairbanks MF-3	

Electrical Equipment

103. Battery	27 lbs.
306. Landing lights	9 lbs.
307. Generator	15 lbs.
308. Generator - wind driven	10 lbs.
309. Larger battery	+9 lbs.

Interior Equipment

108. Baggage compartment (for 2-place) or extra seat (for 3-place)	11 lbs.
302. Three 1 1/2 minute flares (reduce baggage accordingly)	20 lbs.

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