

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

4A1
ANDERSON-GREENWOOD
14
October 2, 1950

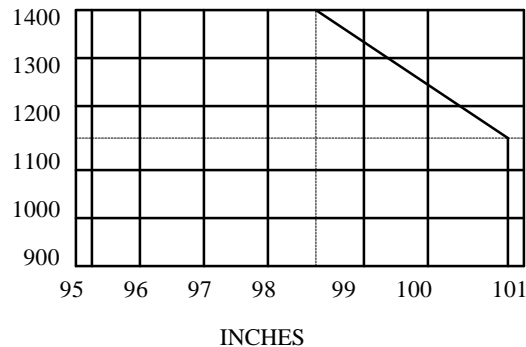
AIRCRAFT SPECIFICATION NO. 4A1

Manufacturer Anderson, Greenwood & Company
Houston, Texas

I - Model 14, 2 PCLM (Normal Category), Approved September 20, 1950

Engine	Continental C90-12FP
Fuel	80 minimum octane aviation fuel
Engine limits	For all operations, 2475 rpm (90 hp)
Airspeed limits	Maneuvering 109 mph True Ind. Max. struct. cruising 132 mph True Ind. Never exceed 148 mph True Ind. Flaps extended 94 mph True Ind.
C.G. range	(+95.3) to (+98.5) at 1400 lbs. (+95.3) to (+100.9) at 1150 lbs. or less Straight line variation between points given.

LBS



Empty weight C.G. range	None
Datum	88.5 in. ahead of wing center section leading edge.
Leveling means	Lugs on keel beam under cabin floor.
Maximum weight	1400 lbs.
No. seats	2. (+71)
Maximum baggage	250 lbs. (+91)
Fuel capacity	24 gals. (+95)
Oil capacity	4.8 qts. (+113)

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Control surface movements	Wing flaps		44° down
	Stabilizer	Fixed	
	Elevator	25° up	17° down
	Elevator tab	40° up	33° down
	Aileron	45° up	6° down
	Rudder	20° left	20° right
Serial Nos. eligible	1 and up		
Required equipment	1, 2, 201(a), 202(a), 205(a), 206(a), 401, 601.		

Specifications Pertinent to All Models

Certification basis	Type Certificate No. 4A1 (CAR 3, Normal Category)
Production basis	None. Prior to original certification a CAA representative 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 ASR 312 (MOP 2-4 contains same information).
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

1. Hartzell adjustable pitch propeller, hub model HA-12UF-1, blades model L7214. Pitch settings at 24 in. sta.: 18.75° to 20°. Static rpm at maximum permissible throttle setting: Full throttle - not over 2030, not less than 1810. No additional tolerance permitted. Diameter - not over 72 in., not under 70.5 in. 19 lbs. (+136.5)
2. Extension hub - propeller Anderson, Greenwood Part No. 14-5006"A" 2 lbs. (+132)

Engine and Engine Accessories - Fuel and Oil System

101. Starter - Delco Remy, Cont. No. 50309 16 lbs. (+107)

Landing Gear

201. Two main wheel-brake assemblies, 6.00-6, Type III
 - (a) Goodyear Model LF6HBD 12 lbs. (+110)
 - Wheel Assembly No. 511960-M
 - Brake Assembly No. 9520517
202. (a) Two main wheel 4-ply rating tires, 6.00-6, Type III (with regular tubes). 18 lbs. (+110)
205. One nose wheel, 5.00-4, Type III.
 - (a) Goodyear Model 4NBM 3 lbs. (+15)
 - Assembly No. 9520289
206. (a) One nose wheel, 4-ply rating tire, 5.00-4, Type III, (with regular tube). 6 lbs. (+15)

Electrical Equipment

301. Battery - Reading S-24-12V 23 lbs. (+26)
302. Generator - Delco Remy, 12 amp. Cont. No. 40435 10 lbs. (+107)
303. Regulator - Delco Remy, Cont. No. 40483 2 lbs. (+27)

Interior Equipment

401. CAA Approved Airplane Flight Manual, dated September 19, 1950

Miscellaneous

601. Aileron, flap, and elevator seal tape, Anderson,
Greenwood Dwg. No. 14-8049. Installation as per Final Assembly
Dwg. No. 14-0005.

Weight negligible

NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be in each aircraft at the time of original certification and at all times thereafter (except in the case of air carrier operators having an approved weight control system).

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

- (a) "This airplane must be operated in accordance with the operating limitations specified in the CAA Approved Airplane Flight Manual."
- (b) "Operate in Normal Category in compliance with approved Flight Manual. Acrobatics (including spins) Prohibited."

END