

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

A-655  
Revision 4  
AERONCA  
KC  
CF  
February 23, 2022

AIRCRAFT SPECIFICATION NO. A-655

Type Certificate Holder: Thomas Gores  
12008 West Belmar Drive  
Franklin Wisconsin 53132

Type Certificate Holder Record: William Gores  
12008 West Belmar Drive  
Franklin Wisconsin 53132

I. Specifications Pertinent to all Models

Propeller	Maximum permissible diameter is 81 in.
Placard speeds	Level flight or climb 95 m.p.h. True Ind. Glide or dive 129 m.p.h. True Ind.
Fuel capacity	10 gallons (one tank in fuselage) (-13)
Oil capacity	1 gallon (-35)
No. passengers	1 (+18)
Baggage	20 lbs. (+41)
C.G. limits	(+11.4) and (+18.5)
Spec. Basis	Approved Type Certificate No. 655

Equipment: (Datum is wing leading edge)

Class I:

101. 3 in. wheels (Goodyear 3LNB, 3NBA or 3LNBA) with 16x7-3 tires
102. Tail skid
103. Propeller - wood (fixed or adj. pitch)

Class II:

200. Miscellaneous items as noted in approved weight and balance report

Class III:

- |  |               |       |
|--|---------------|-------|
| 301. Wheels                                    |               |       |
| (a) Goodyear 3LMB, 3LMB or 3MBA (with brakes)  | 9 lbs.*       | (- 5) |
| (b) Shinn (without brakes) Net door            | 1 lb.         | (- 5) |
| (c) Shinn (with brakes)                        | 4 lbs.*       | (- 5) |
| 302. 18x6-3 tires and tubes                    | 5 lbs.*       | (- 5) |
| 303. Heater                                    |               |       |
| (a) Cabin                                      | 2 lbs.*       | (-36) |
| (b) Carburetor                                 | 1 lb.*        | (-35) |
| 304. Carpet                                    | 2 lbs.        | (- 3) |
| 305. Extra instruments                         | 10 lbs.*      | (- 5) |
| 306. Parachutes                                | 20 lbs.* each |       |
| 307. Auxiliary 5-gallon fuel tank (see Note 1) | 10 lbs.*      | (+25) |
| 308. Storage battery                           | 13 lbs.       | (+44) |
| 309. Extra door                                | 2 lbs.        | (+20) |
| 310. Special upholstery                        |               |       |

\*Means net increase.

Page No.	1	2
Rev. No.	3	4

- |  |                    |
|--|--------------------|
| 311. Tail wheel  |                    |
| (a) Steerable (Aircraft Assoc.) with 6x2.0 tire                            | 4 lbs.*            |
| (b) Swiveling (Universal Alloy H-2) with 5x1.75 tire                       | 3 lbs.*            |
| (c) Swiveling (modified Universal Alloy H-2, H-3 fork)<br>with 6x2.00 tire | 4 lbs.*            |
| 312. Special landing gear (Drawing 3-43 or 3-44)                           |                    |
| 313. Dual ignition engine (Continental A-40-5) (KC only)                   | 12 lbs.*           |
| 314. Wheel streamlines   | 8 lbs. (0)         |
| 315. Skis  | Use actual weights |
| (a) Washington Aircraft 1200   |                    |
| (b) Federal SA-1 or SA-2   |                    |
| (c) Federal SC-1 or SC-2   |                    |
| (d) Marston MFS-1200   |                    |
| (e) Marston MFS-1600   |                    |
| (f) Jennings TY-2  |                    |
| (g) Richards 1-B   |                    |
| (h) Graf-Shupe A   |                    |
| (i) Heath 655  |                    |

NOTE 1. Fuel arm (+45) with item 307.

NOTE 2. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook: (March 22, 1939)

A. Model KC:

- (a) Canada (Continental A-40-4 engine must be placarded for 39 hp at 2500 rpm)
  - Landplane
  - Skiplane - not eligible. However, structure complies with Canadian requirements for ski installation when item 312 is installed. Maximum ski height 12 in.
- (b) All other countries.

B. Model CF: All countries except Canada and Australia.

II. Model KC, 2 PCLN

Engine	Continental A-40-4 (see also item 313)
Placard limits	Maximum, except takeoff -- in. Hg., 2575 rpm (40 hp) Takeoff (one minute) -- in. Hg., 2575 rpm (40 hp)
Standard weight	1060 lbs.
Serial nos.	KC-1 and up manufactured prior to 12-12-40 eligible. Approval expired as of that date.

III. Model CF, 2 PCLM

Same as model KC except engine, engine cowling, standard weight and 4 lbs. ballast in tail post.)

Engine	Franklin 4AC-150 Series 40
Placard limits	Maximum, except takeoff -- in. Hg., 1875 rpm (40 hp) Takeoff (one minute) -- in. Hg., 1875 rpm (40 hp)
Standard weight	1080 lbs.
Serial nos.	CF-1 and up manufactured prior to 12/12/40 eligible. <u>Approval expired as of that date.</u>

.....END.....

\*Means net increase.