

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

A-634  
Revision 4  
AERONCA  
K  
KS

February 23, 2022

AIRCRAFT SPECIFICATION NO. A-634

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 - Model K, 2 PCLM; KS, 2 PCSM

Engine	Aeronca E-113C (See Item 314 for optional engines)
Engine limits	For all operations, 2540 rpm (40 hp)
Propeller limits	Maximum permissible diameter: Landplane 82 in. Seaplane 98 in.
Airspeed limits (CAS)	Landplane Level flight or climb 95 m.p.h. ( 83 knots) Glide or dive 129 m.p.h. (112 knots) Seaplane Level flight or climb 90 m.p.h. ( 78 knots) Glide or dive 122 m.p.h. (106 knots)
C.G. range	Landplane (+12.5) to (+18.5) Seaplane (+15.5) to (+19.2)
Empty weight C.G. range	Landplane (+14.0) to (+19.5) (Item 307 <u>not</u> installed) Seaplane (+17.8) to (+20.2) (Item 307 <u>not</u> installed) Landplane (+14.0) to (+18.2) (Item 307 is installed) Seaplane (+17.8) to (+19.2) (Item 307 is installed) (NOTE - If empty weight C.G. for a particular airplane falls within range given, it is not necessary to check critical fore and aft C.G. positions. These ranges not valid for non-standard arrangements.)
Maximum weights	Landplane 1040 lb. Seaplane 1125 lb.
No. seats	2 (+18)
Maximum baggage	20 lb. (+41)
Fuel capacity	10 gal. (-13)
Oil capacity	3 qt. (-35)
Serial Nos. eligible	K-2 and up mfd. prior to 12 December 1940. Approval expired as of that date.
Required equipment	Landplane - Items 101, 102, 103 Seaplane - Items 103, 151, 152

Specifications Pertinent to all Models

Datum	Wing leading edge
Leveling means	Not available
Certification basis	Approved Type Certificate No. 634 (expired) (Aero. Bulletin 7-A)

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

103. Propeller - wood (fixed or adjustable pitch)

#### Engine and Engine Accessories - Fuel and Oil System

- |   |   |               |
|---|---|---------------|
| 303. Heater   | (a) Cabin   | +2 lb. (-36)  |
|   | (b) Carburetor air  | +1 lb. (-35)  |
| 307. Five gal. aux. fuel tank   |   | +10 lb. (+25) |
| (When installed on seaplane, placard system as follows unless proven unnecessary by full check of C.G.: |   |               |
| (a) At filler cap of aux. tank: "FILL MAIN TANK FIRST."   |   |               |
| (b) At fuel valves: "USE AUX. TANK FIRST."  |   |               |
| Fuel arm (+45). Oil capacity increased to 3 1/2 qt.   |   |               |
| 314. Optional engines   |   |               |
| (a)   | Aeronca E-113CB (For all operations 2500 r.p.m. (42 hp.)  |               |
| (b)   | Aeronca E-113CD (For all operations 2500 r.p.m. (42 hp.)  |               |
| (c)   | Aeronca E-113CDB (For all operations 2500 r.p.m. (45 hp.) |               |
| 315. Head oiler   |   | 1 lb. (-42)   |

#### Landing Gear and Floats

- |   |  |                    |
|---|--|--------------------|
| 101. 3 inch wheels (Goodyear 3LNB, 3NBA or 3LNBA) with 16X7-3 tires             |  | (-5)               |
| 102. Tail skid  |  |                    |
| 151. Edo D-1070 floats with one water rudder                                    |  | +87 lb. (approx.)  |
| 152. Auxiliary seaplane fin   |  |                    |
| 301. Wheels   |  |                    |
| (a)   | Goodyear 3LMB or 3LMBA or 3MBA with brakes         | +9 lb. (-5)        |
| (b)   | Firestone (formerly Shinn) (without brakes)        | -1 lb. (-5)        |
| (c)   | Firestone (formerly Shinn) (with brakes)           | +4 lb. (-5)        |
| 302. 18X8-3 tires and tubes   |  | +5 lb. (-5)        |
| 312. Tail wheels  |  |                    |
| (a)   | Steerable (Aircraft Associates) with 6X2.00 tire   | +3 lb. (+170)      |
| (b)   | Universal Alloy assembly with 5X1.75 tire          | +3 lb. (+170)      |
| (c)   | Modified Universal Alloy assembly with 6X2.00 tire | +4 lb. (+170)      |
| 313. Special landing gear (Dwg. 7-6, change D)                                  |  |                    |
| 316. Wheel streamlines  |  | +8 lb. (-5)        |
| 319. 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  |                    |
| 351. Edo 54-1140 floats with one water rudder and either steel or dural struts. |  |                    |

#### Electrical Equipment

- |                                    |  |              |
|------------------------------------|--|--------------|
| 308. Battery                       |  | 13 lb. (+44) |
| 317. Landing light (Grimes ST-250) |  | 5 lb. (+13)  |

#### Interior Equipment

- |   |  |             |
|---|--|-------------|
| 309. Extra door                             |  | 2 lb. (+20) |
| 311. Seaplane finish and corrosion proofing |  | 4 lb. (+45) |

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