

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A-634 Revision 3 AERONCA K KS October 31, 1990

AIRCRAFT SPECIFICATION NO. A-634

Holder of Type Certificate 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)

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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

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 3LNBM, 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 3LMBM 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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