DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A-614
Revision 2
AERONCA
LC
LCS
March 7, 2005

AIRCRAFT SPECIFICATION NO. A-614

Type Certificate Holder	National Aeronca Association 806 Lockport Road P.O. Box 2219 Terre Haute, IN 47802

Name change from Aeronca to National Aeronca Association March 7, 2005.

I - Model LC, 2 PCLM, Approved July 25, 1936.

Engine	Warner Scarab Jr.
Engine limits	Maximum, except takeoff -- in. Hg., 2025 rpm (90 hp) Takeoff (one minute) -- in. Hg., 2025 rpm (90 hp)
Airspeed limits	Level flight or climb - 120 mph Ind. Glide or dive - 162 mph Ind. Flaps (See Item 17) - 108 mph Ind.
Propeller	Maximum permissible diameter 88 in.
C.G. range	(+11.5) and (+17)
Empty weight C.G. range	Not available
Maximum weight	1680 lbs.
Number of Passengers	1 (+19)
Maximum baggage	115 lbs. (+39)
Fuel capacity	28 gallons (one tank at 19 gallons in right wing (+27) and one at 9 gallons in fuselage (-11.5)
Oil capacity	3 gallons (-21)
Serial Nos. eligible	2015, 2021, 2028, and up manufactured prior to September 30, 1939 eligible. Approval expired as of that date.

II - Model LCS, 2 PCSM, Approved July 25, 1936.

Engine	Warner Scarab Jr.
Engine limits	Maximum, except takeoff -- in. Hg., 2025 rpm (90 hp) Takeoff (one minute) -- in. Hg., 2025 rpm (90 hp)
Airspeed limits	Level flight or climb - 110 mph Ind. Glide or dive - 149 mph Ind.
Propeller	Maximum permissible diameter 86 in.
C.G. range	(+12) and (+16.7)
Empty weight C.G. range	Not available
Maximum weight	1852 lbs.
Number of Passengers	1 (+19)
Maximum baggage	102 lbs. (+39) (including anchor and line)
Fuel capacity	28 gallons (one tank at 19 gallons in right wing (+27) and one at 9 gallons in fuselage (-11.5)
Oil capacity	3 gallons (-21)
Serial Nos. eligible	2015, 2021, 2028, and up manufactured prior to September 30, 1939 eligible. Approval expired as of that date.

Specifications Pertinent to all Models

Datum	Center section leading edge
Leveling means	Not available
Certification basis	Approved Type Certificate 614 (expired) (Aero. Bulletin 7-A)

Equipment:

Class I:

Landplane:

1.	3 inch wheels (Goodyear 3 LMBM) with 18x8-3 tires		
2.	8 in. streamline tail wheel		
3.	Engine ring cowl	9 lbs.	(-37)
4.	Wheel streamlines	22 lbs.	
5.	Wood - fixed or adjustable pitch	15 lbs.	(-45)

Seaplane: Items 3 and 5 plus

7.	Edo 47-1965 floats with water rudder	263 lbs.	

Class III.

10.	Flares - three 1 min. (reduce baggage 15 lbs.)	10 lbs.	(+80)
11.	Flares - five 1 min. (reduce baggage 23 lbs.)	15 lbs.	(+80)
12.	Flares - three 1-1/2 min. (reduce baggage 26 lbs.)	17 lbs.	(+80)
13.	Landing lights (Grimes retractable)	10 lbs.	(+19)
14.	Battery and box (Exide 6TS7-1)	33 lbs.	(+39)
15.	Battery and box (Exide E-AC-7-1)	13 lbs.	(+39)
16.	Starter (Eclipse Y-150)	20 lbs.	(-22)
17.	Airbrake (flaps) (Landplane only)	6 lbs.	(+11)
18.	Cabin heater	4 lbs.	(-22)
19.	Special finish	8 lbs.	(+60)
20.	Special instruments	6 lbs.	(- 5)
21.	Battery	32 lbs.	(+39)
22.	Radio (RCA AVR-7 or 7A)	23 lbs.	(+39)
23.	Two 6-volt hot shot batteries for radio	20 lbs.	(+39)
24.	Battery (Reading 3-BRL-9)	9 lbs.	(+39)
25.	Carburetor heater	6 lbs.	(-16)
26.	Emergency window (left side)		

Note 1: Eligible for export as follows subject to inspection for equipment specified in Chapter XII of Inspection Handbook: (April 9, 1937)

(a) Canada
- Landplane
- Skiplane -- not eligible
- Seaplane -- not eligible

(b) All other countries except Great Britain and Australia.

Note 2: Aircraft eligible are also approved with:

(a) Conventional or differential aileron control with cable and push-pull tube control systems respectively.

(b) Flap operating mechanism including automobile window type lift.

(c) Brake operating mechanism, including pedals, located between the rudder pedals and interconnected to a hand lever at the upper left side of the cabin.

(d) Balanced elevators replacing unbalanced type. (Balanced type have increased area and increased tab area.)

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