

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

A-596  
Revision 2  
AERONCA  
LA  
LB  
March 7, 2005

AIRCRAFT SPECIFICATION NO. A-596

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 LA, 2 PCLM, Approved February 24, 1936.

Engine	Rearwin LeBlond 70 5E or 5DE
Engine limits	Maximum, except takeoff -- in. Hg., 1950 rpm, 70 hp Takeoff (one minute) -- in. Hg., 1950 rpm, 70 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 86 in.
C.G. range	(+12.7) and (+17.4)
Empty weight C.G. range	Not available
Maximum weight	1680 lbs.
Number of Passengers	1 (+19)
Maximum baggage	121 lbs. (+39)
Fuel capacity	28 gallons (one tank at 19 gallons in right wing (+27) and one at 9 gallons in fuselage (-11))
Oil capacity	2 gallons
Serial Nos. eligible	2000 and up manufactured prior to 9/30/39 eligible. Approval expired as of that date.

II - Model LB, 2 PCLM, Approved February 24, 1936.

Engine	(a) Rearwin LeBlond 85 5F or 5DF (b) Rearwin LeBlond 90 5F
Engine limits	(a) Maximum, except takeoff -- in. Hg., 2125 rpm (85 hp) Takeoff (one minute) -- in. Hg., 2125 rpm (85 hp) (b) Maximum, except takeoff -- in. Hg., 2250 rpm (90 hp) Takeoff (one minute) -- in. Hg., 2250 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 86 in.
C.G. range	(+12.7) and (+17.4)
Empty weight C.G. range	Not available
Maximum weight	1680 lbs.
Number of Passengers	1 (+19)
Maximum baggage	149 lbs. (+39)
Fuel capacity	28 gallons (one tank at 19 gallons in right wing (+27) and one at 9 gallons in fuselage (-11))
Oil capacity	2 gallons
Serial Nos. eligible	2000 and up manufactured prior to 9/30/39 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 596 (expired) (Aero. Bulletin 7-A)

## Equipment:

## Class I:

1.	Propeller - wood (fixed or adjustable pitch)	14 lbs.	(-45)
2.	7.00-5 wheels (Hayes B) with tires		
3.	8-inch streamline tail wheel		
4.	Engine ring cowl	12 lbs.	
5.	Wheel streamlines	21 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 3-AC-7-1)	13 lbs.	(+39)
16.	Starter (Eclipse Y-150)	20 lbs.	(-22)
17.	Airbrake (flaps)	6 lbs.	(+11)
18.	Cabin heater	3 lbs.	(-25)
19.	Special finish	8 lbs.	(+60)
20.	Special instruments	6 lbs.	(- 5)
21.	3-inch wheels (Goodyear 3LMBM) with 18.8-3 tires		
22.	Battery (Reading 6-ARL-9)	32 lbs.	(+39)
23.	Radio (RCA AVR-7 or -7A)	23 lbs.	(+39)
24.	Two 6-volt hot shot batteries for radio	20 lbs.	(+39)
25.	Battery (Reading 3-BRL-9)	9 lbs.	(+39)
26.	Carburetor heater	2 lbs.	
27.	Emergency window (left side)		

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

- (a) Canada
  - Landplane
  - Skiplane -- 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.

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