

CIVIL AERONAUTICS ADMINISTRATION  
AIRCRAFT SPECIFICATION NO. A-396

A-396  
Revision 1  
AERONCA  
C-3  
PC-3  
March 3, 1949

Manufacturer                                 Aeronca Aircraft Corp.  
Middletown, Ohio

**I - Model C-3, 2 PO-CLM, PC-3, 2 PCSM** (Models 1931 through 1934 - see serial numbers eligible). (See NOTE 1 for differences between models)

Engine   Aeronca E-113, A, B, or C  
Engine limits                                 For all operations, 2400 rpm (36 hp)  
Airspeed limits                             Not available  
Propeller limits                             Not available (fixed pitch wood)  
C.G. range                                    Not available  
Empty weight C.G. range                 Not available  
Maximum weight                            Landplane    900 lbs.  
   Seaplane    972 lbs. (with Edo D-990 or D-1070 floats)  
   953 lbs. (with Warner A-1900 floats)  
   Landplane   936 lbs. (serials A-307 and A-400 through A-499, which  
  have single strut type landing gear, with or  
  without reinforcement of rear wing spar.)

No. Seats                                     2  
Maximum baggage                           20 lbs. (serials A-307 and A-400 through A-499 eligible with 28 lbs.  
  maximum baggage.)

Fuel capacity                                8 gals.  
Oil capacity                                 3 qts.  
Serial Nos. eligible                        A-107 thru A-499 except A-320 and A-321  
Required equipment                        Landplane - Items 1, 201, 202, 203.  
   Seaplane - Items 1, 204 and 401.

**II - Model C-3, 2 PO-CLM, PC-3, 2 PCSM** (Model 1935 - See serial numbers eligible) (See NOTE 1 for differences between models.)

Engine   Aeronca E-113, A, B, or C.  
Engine limits                                 For all operations, 2400 rpm (36 hp)  
Airspeed limits                             Not available  
Propeller limits                             Not available (fixed pitch wood)  
C.G. range                                    Landplane           (+16.0) to (+19.5)  
   Seaplane           (+18.0) to (+19.75)  
   PC-3 seaplane type converted to landplane (+17.2) to (+19.2)

Empty weight C.G. range                 Not available  
Maximum weight                            Landplane           1006 lbs.  
   Seaplane           1069 lbs.  
   PC-3 seaplane type converted to landplane 990 lbs.

No. Seats                                     2  
Maximum baggage                            20 lbs.  
Fuel capacity                                8 gals.  
Oil capacity                                 3 qts.

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Serial Nos. eligible	A-320, A-321, A-500 and up mfd. prior to September 30, 1939. Approved expired as of that date.
Required equipment	Landplane - Items 1, 201, 202, 203 Seaplane - Items 1, 204, 401.

Specifications Pertinent to all Models

Datum	Wing leading edge
Leveling means	Not available
Certification basis	Approved Type Certificate 396 (expired) (Aero. Bulletin 7-A)
Export eligibility	(Will be supplied on request to Office of Aviation Safety - Wash.)

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

1. Fixed pitch wood propeller

Engine and Engine Accessories - Fuel and Oil System

101. Heater (landplane only)	2 lbs.
102. Seven gallon extra fuel tank beside pilot (replaces passenger)	10 lbs.
103. Five gallon extra fuel tank in baggage compt. including wobble pump. (Must be placarded for no passenger with fuel in tank.)	13 lbs.

Landing Gear and Floats

201. Single strut type landing gear with oleo (landplane)	(+2.5)
202. Two Goodyear 16x7-3 wheels (3NBA or 3LNBM) and tires, without brakes	(+2.5)
203. Tail skid	
204. Edo D-1070 floats with water rudder. Item 401 must be installed when floats installed.	
205. Two 18x8-3 tires	+5 lbs. (+2.5)
206. Two 16x7-3 Goodyear wheels (3MBA or 3LMBM) with brakes	+9 lbs. (+2.5)
207. Tail wheels	
(a) 8" streamline	+5 lbs.
(b) 6x2.00 non-steerable (Dwg. 5800)	+4 lbs.
208. Mudguards	4 lbs.
209. Oleo tripod landing gear (serials below A-202 must be altered in accordance with Dwg 5527)	
210. 15.5" streamline or 3" (Goodyear 3NBA) wheels replacing 7.00-4 wheels on oleo tripod landing gear	No weight chg.
211. 15.5" streamline or 3" (Goodyear 3NBA or 3MBA wheels with 16x7-3 tires on single strut type landing gear (serials A-307 and A-400 through A-499)	
Without brakes	+33 lbs.
With brakes	+42 lbs.
212. Ski installations	
(a) Washington Aircraft 1200	
(b) Federal SA-1, SA-2, SC-1 or SC-2	
(c) Marston MFS-1200 or MFS-1600	
(d) Jennings TY-2	
(e) Richards 1B	
(f) Graf-Shupe A	

Electrical equipment

301. Position lights	10 lbs.
[ 302. Deleted March 3, 1949	

Interior equipment

401. Extra door on pilot's side	2 lbs.
402. Winter enclosure	12 lbs.

- NOTE 1. Model PC-3 same as C-3 except the landing gear channel section and attaching members have been removed, extra door on pilot's side and front strut fittings added. The oleo tripod landing gear with 16x7-3 (Goodyear 3NBA) or 7.00-4 wheels will be used to ferry seaplane type over land and when converting seaplane to landplane. Tripod gear 46 lbs. and tail skid 3 lbs. Float installation weight 135 lbs.
- NOTE 2. Serials A-107 through A-250, except A-244 (Model 1932) and serial A-401 (Model 1933) must have a 1 3/4" x 1 3/4" x 1/16" steel gusset plate added on the left lower engine mount joint, at the connection of the side tube with the vertical tube at the engine.
- NOTE 3. Serials A-350 through A-499 must have guards installed in the two pulleys of the aileron control which are in the cockpit.

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