

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
WASHINGTON

A-759-2
AERONCA
7AC

AIRCRAFT SPECIFICATION

June 17, 1946

An aircraft complying with the terms of this specification and conforming with the approved data on file with the Civil Aeronautics Administration will be issued an airworthiness certificate when, in the opinion of the Administrator, the aircraft is in condition for safe operation.

Manufacturer **Aerona Aircraft Corporation**
Middleton, Ohio

I - Model 7AC 2 PCLM Approved October 18, 1945

Engine	Continental A-65-S
Fuel	73 minimum octane (CFR) aviation gasoline
Engine limits	For all operations 2300 rpm (65 hp)
Airspeed limits	Level flight or climb 95 mph True Ind. Glide or dive 129 mph True Ind.
Propeller limits	Static rpm at maximum permissible throttle setting - Not more than 2200 Not less than 2010 Diameter - Not more than 72 in. Not less than 70 in.
C.G. range	(+10.9)(18.0% MAC) to (+21.5)(36.0% MAC)
Datum	Wing leading edge
MAC	58.84 in. Leading edge MAC (+0.28)
Leveling means	Any portion of the cabin floor to level laterally and longitudinally
Maximum weight	1220 lbs.
No. seats	2 (1 at (+11.5), 1 at (+42))
Baggage	40 lbs. (+64) (See Note 1)
Fuel capacity	14 gals. (-15)
Oil capacity	1 gal. (-33)
Control surface movements	Elevator Up 25° Down 15-1/2° Elevator trim tab Up 20° Down 34-1/2° Ailerons Up 28-1/2° Down 18° Rudder Right 24° Left 25°
Serial nos. eligible	7AC1 and up
Required equipment	1, 101, 102, 201, 202

Specifications Pertinent to All Models

Certification basis	Type Certificate No. 759
Production basis	Production Certificate No. 2
Export eligibility	Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook: (a) Canada - Landplane Skiplane - not eligible. However, structure complies with Canadian requirements for ski installation. Maximum pedestal height 8 1/2 inches, tread 66-5/8 inches. Maximum weight 1220 lbs. (b) All other countries except Australia, Great Britain and New Zealand.