

MODELS: Aeronca LC, LCS

T.C. NUMBER: ATC 614

I - SPECIFICATIONS PERTINENT TO BOTH MODELS:

Engine	Warner Scarab Jr.
Placard limits	Maximum, except take-off -- in. Hg., 2025 rpm (90 hp)

Take-off (one minute)  
 -- in. Hg., 2025 rpm (90 hp)  
 Fuel capacity 28 gallons (one tank of 19 gallons in right wing  
 (+27) and one at 9 gallons in fuselage (-11.5))  
 Oil capacity 3 gallons (-21)  
 No. passengers 1 (+19)  
 Spec. basis Approved Type Certificate No. 614  
 Serial Nos. 2015, 2021, 2028 and up manufactured prior to  
 September 30, 1939 eligible. Approval expired  
 as of that date.

EQUIPMENT: (Datum is center section leading edge.)

Class I:

Landplane:

1. 3 in. wheels (Goodyear 3 LBM) with  
13x9-3 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. (+90)
12. Flares - three 1-1/2 min. (reduce  
baggage 26 lbs.) 17 lbs. (+90)
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) (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 (PCA 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.)

II - MODEL LC, 2PCLM:

Propeller Maximum permissible diameter 88 in.  
 Placard speeds Level flight or climb - 120 mph Ind.  
 Glide or dive - 162 mph Ind.  
 Flaps (See Item 17) - 108 mph Ind.  
 Baggage 115 lbs. (+39)  
 Standard weight 1680 lbs.  
 C.G. range (+11.5) and (+17)

III - MODEL LCS, 2 PCSM:

Propeller Maximum permissible diameter 86 in.  
 Placard speeds Level flight or climb - 110 mph Ind.

Baggage  
Standard weight  
C.G. range

Glide or dive - 149 mph Ind.  
102 lbs. (+39) (including anchor and line)  
1852 lbs.  
(+12) and (+16.7)