

MODELS: Waco CUC, CUC-1, CUC-2, 5 PCLB

T.C. NUMBER: ATC 575

I - SPECIFICATIONS PERTINENT TO ALL MODELS

Placard speeds	Level flight or climb - 158 mph True Ind.
	Glide or dive - 214 mph True Ind.
	Flaps extended - 112 mph True Ind.

Fuel capacity	70 gallons (two tanks in upper wings at 35 gallons)
Oil capacity	5 gallons
No. passengers	4 maximum (See NOTE 2)
Baggage	100 lbs. (compartment aft of cabin) (See NOTE 2)
Maximum weight	3200 lbs. (See NOTE 3 for 3350 lbs.)
C.G. limits	(-19.8) and (-7.8)
Datum	Lower wing leading edge
Leveling means	Lower surface upper wing at strut points
Specification basis	Approved Type Certificate No. 575
Serial numbers	3951 and up manufactured prior to 9/30/39 eligible. Approval expired as of that date.

**EQUIPMENT:**

(\* Means net increase)

**Class I:**

101.	Engine ring cowl	
102.	Battery (under rear seat)	40 lbs.
103.	Starter (direct electric)	26 lbs.
104.	Generator	12 lbs.
105.	6.50-10 wheels and 8.50-10 4-ply tires (wheels must be placarded for tires as noted)	
106.	10.5 inch streamline tail wheel	
107.	Throw-over type control column	
108.	Upper wing flaps - electrically or vacuum operated	
109.	Propeller	
	(a) Wood - fixed or adjustable pitch (Models CUC and CUC-1)	46 lbs.
	(b) Controllable metal (Hamilton Standard, 2B20 hub, 6109A-12 or 6135A-1 blades (Model CUC-2)	105 lbs.

**Class II:**

200. Miscellaneous items as noted in approved weight and balance report.

**Class III:**

301.	95 gallon fuel capacity (two tanks at 47.5 gallons each) and 6-1/4 gallon oil capacity	8 lbs.*
302.	Landing lights (retractable)	11 lbs.*
303.	Flares (three 1-1/2 minute)	17 lbs.*
304.	Leather upholstery	7 lbs.*
305.	Litter installation	14 lbs.
306.	Radio and shielding	45 lbs.
307.	Special paint	
308.	Miscellaneous extra instruments	
309.	Propellers	
	(a) Fixed metal (Curtiss 55501)	51 lbs.
	(b) Adjustable metal	86 lbs.
	(c) Controllable metal (Hamilton Standard 2B20 hub, blades 6109A-9 or 6135A-9) (Models CUC and CUC-1)	105 lbs.
	(d) Eclipse automatic metal	125 lbs.
310.	"Y" type control column	4 lbs.*
311.	Aileron tab installation	No change in weight
312.	Large elevators (Drawing number 32305)	No change in weight
313.	Heater and ventilator	
314.	Wheel streamlines	21 lbs.*
315.	Extra door and wing walk	16 lbs.*

NOTE 1. Eligible for export as follows subject to inspection for equipment specified in Chapter XII of Inspection Handbook (1/10/39):

- (a) Canada
  - Landplane
  - Skiplane - not eligible
- (b) All other countries except Great Britain and Australia.

NOTE 2. Five-place airplanes must have:

- (a) Additional safety belt installed on rear seat.
- (b) Baggage compartment placarded as follows unless actual weight and balance shows a lesser restriction necessary:  
"Maximum allowable 100 lbs.  
Maximum with 3 passengers on rear seat 0 lbs."

NOTE 3. Standard weight in excess of 3200 lbs. (maximum 3350 lbs.).

- (a) Controllable metal or automatic metal propeller must be installed.
- (b) Serial numbers 4326 and up are eligible. (These airplanes have revised interplane strut fitting, landing gear and certain members of the

- fuselage structure.)
- (c) Serial numbers 3951 thru 4325 are eligible upon receipt of manufacturer's affidavit that pertinent airplane has been reinforced in accordance with approved technical data. (Serial numbers 4304, 4309, 4312, 4313, 4314, 4316 and 4319 have been so reinforced.)

NOTE 4. Models CUC-1 and CUC-2 same as model CUC except engines. Model CUC-1 approximately 20 lbs. heavier than model CUC, and model CUC-2 approximately 40 lbs. heavier than model CUC. All CUC-2 airplanes must have:

(a) One-half inch fuel line and fittings installed between strainer and carburetor.

(b) Placard displayed in fuel valves stating: "Always use both tanks for take-off and for flight at low altitudes."

Inspector's report should include notation that above requirements are complied with.

II - MODEL CUC, DESIGNATION 5 PCLB (See NOTES 2 and 4)

Engine	Wright R760E
Placard limits	Maximum, except take-off
	-- in.Hg., 2000 rpm (250 hp)
	Take-off (one minute)
	-- in.Hg., 2000 rpm (250 hp)

III - MODEL CUC-1, DESIGNATION 5 PCLB (See NOTES 2 and 4)

Engine	Wright R760E-1
Placard limits	Maximum, except take-off
	27 in.Hg., 2100 rpm (250 hp)
	Take-off (one minute)
	-- in.Hg., 2100 rpm (285 hp)

IV - MODEL CUC-2, DESIGNATION 5 PCLB (See NOTES 2 and 4)

Engine	Wright R760E-2
Placard limits	Maximum, except take-off
	29.5 in.Hg., 2200 rpm (250 hp)
	Take-off (one minute)
	-- in.Hg., 2400 rpm (350 hp)