

MODELS: Waco YOC and YOC-1

T.C. NUMBER: ATC 569

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	50 gallons (two tanks - one in each upper wing at 25 gallons)
Oil capacity	4 gallons
No. passengers	4 maximum (See NOTE 3)
Baggage	100 lbs. (compartment aft of cabin) (See NOTE 3)
Standard weight	3350 lbs. (See NOTE 2)
C.G. limits	(-19.7) and (-7.1)
Datum	Lower wing leading edge
Leveling means	Lower surface upper wing at strut points
Specification basis	Approved Type Certificate No. 569
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 and box (under rear seat)	40 lbs.
103. Starter (direct electric)	21 lbs.
104. Generator	12 lbs.
105. 6.50-10 wheels with 7.50-10 4-ply tires	
106. 10.5 inch streamline tail wheel	
107. Throw-over type control column	
108. Upper wing flaps - electrically or vacuum operated	
109. Propeller - wood (fixed pitch)	46 lbs.

Class II:

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

Class III:

301. Extra fuel capacity	
(a) 70 gallons (two tanks at 35 gallons each) and 5 gallon oil capacity	10 lbs.*
(b) 95 gallons (two tanks at 47-1/2 gallons each) and 6-1/4 gallon oil capacity	18 lbs.*
302. Landing lights	11 lbs.*
303. Flares (three 1-1/2 minute electric)	17 lbs.*
304. Leather upholstery	7 lbs.*
305. Litter installation	14 lbs.*
306. Radio equipment (installed between	

	firewall and under rear seat) and engine shielding	45 lbs.
307.	Special paint	
308.	Miscellaneous extra instruments	
309.	Propellers	
	(a) Fixed metal (Curtiss 55501)	51 lbs.
	(b) Adjustable metal	78 lbs.
	(c) Controllable metal (Hamilton Standard 2B20 hub, 6109A-9, 6109A-10, 6135A-9 or 6135A-10 blades. Diameter 8'3-1/8" maximum, 8'7/8" minimum.)	
	Engine limits for Model YOC-1:	
	Take-off and climb,	
	2000 rpm (285 hp)	
	For all other operations	
	24 in.Hg., 2000 rpm (250 hp)	
310.	"Y" type control column	4 lbs.*
311.	Aileron tab installation	No change in weight
312.	Large elevators (Drawing 32306)	No change in weight
313.	Heater and ventilator	
314.	Wheel streamlines	24 lbs.*
315.	Extra door and wing walk	16 lbs.*
316.	8.50-10 40-ply tires	8 lbs.*
317.	Ski type landing gear (Drawing 20245)	No change in weight)

NOTE 1. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook (9/30/39):

- (a) Canada
 - Landplane
 - Skiplane - not eligible. However, structure complies with Canadian requirements for ski installation when Item 317 is installed.
- (b) All other countries except Great Britain and Australia.

NOTE 2.

- (a) Maximum standard weight YOC or YOC-1 with wood propeller is 3200 lbs.
- (b) Maximum standard weight YOC with adjustable metal or fixed metal propeller is 3200 lbs. Maximum standard weight YOC-1 with fixed metal propeller is 3350 lbs.
- (c) Maximum standard weight YOC or YOC-1 with controllable metal propeller is 3360 lbs.

NOTE 3. 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."

II - MODEL YOC, DESIGNATION 5 PC1B (See NOTE 3)

Engine	Jacobs L-4, L-4M, or L-4MB
Engine limits	For all operations, 2000 rpm (225 hp)

III - MODEL YOC-1, DESIGNATION 5 PC1B (See NOTE 3)

(Same as Model YOC except engine. YOC-1 approximately 20 lbs. heavier than Model YOC.)

Engine	Jacobs L-5, L-5M, or L-5MB
Engine limits	Take-off and climb
(See Item 309C)	2000 rpm (285 hp)
	For all other operations
	1910 rpm (250 hp)