

MODELS: Waco AGC-8 and ZGC-8

T.C. NUMBER: 664

I - SPECIFICATIONS PERTINENT TO ALL MODELS

Propeller	Permissible diameter: Maximum 103 inches, minimum 99 inches
Placard speeds	Level flight or climb - 158 mph True Ind. Glide or dive - 213 mph True Ind. Flaps extended - 100 mph True Ind.
Fuel capacity	70 gallons (2 tanks, one in each wing at 35 gallons) (-14)
Cil capacity	5 gallons (-50)
No. passengers	4 (front -13, rear +22)
Baggage	(Passenger type) 100 lbs. (+52) (Cargo type) (See Item 211)
Standard weight	3800 lbs.
C.G. limits	(-19.2) and (-7.2)
Datum	Lower wing leading edge
Leveling means	Lower surface upper wing at strut point
Specification basis	Type Certificate No. 664

EQUIPMENT:

(* Means net increase)

Class I:

101. Engine ring cowl (ZGC-8)	29 lbs.	(-77)
(AGC-8)	33 lbs.	(-77)
102. Landing lights (Grimes retractable)	11 lbs.	(-23)
103. Starter (direct electric)	20 lbs.	(-55)
104. Generator - 15 amp.	21 lbs.	(-55)
105. Battery (Exide 6TS-13-1)	42 lbs.	(-59)
106. Wheel cuffs	4 lbs.	
107. 7.50-10 wheels (Hayes 750M hydraulic) with 7.50-10 tubes and 8.50-10 tires) (wheels must be placarded for these tires)		
108. 10.5 inch streamline tail wheel or 10x3 tail wheel with 4-ply H.D. tire (wheels must be placarded accordingly)		
109. Throw-over type control column		
110. Standard paint (gunmetal gray)		
111. Oil cooler (Drawing 20965)	5 lbs.	(-71)
112. Heater and ventilator (cabin)		
113. Propeller - fixed metal (Curtiss-Reed 55501)	55 lbs.	(-92)

Class II:

200. Miscellaneous items as noted in approved weight and balance report.		
201. Additional 25 gallon fuel tank installed under rear seat (including gage and wobble pump) (Eligible as 4-place type only.)	23 lbs.	(+9)

202.	7-1/2 gallon oil capacity		(-50)
203.	Leather upholstery	12 lbs.	(0)
204.	Litter		
	(a) Air Corps type	25 lbs.	(+72)
	(b) Precision (carried in baggage compartment as baggage)	25 lbs.	
205.	Parachute seats - rear	41 lbs.*	(+27)
206.	Extra door and wing walk	16 lbs.*	(+19)
207.	Larger generator		(-55)
208.	Larger battery (Reading AR-9)	8 lbs.*	(-59)
209.	Larger starter (Eclipse F-141)	10 lbs.*	(-55)
210.	Additional radio equipment provided C.G. of installation is between (-22) and (+25)		
211.	Cargo type with cargo compartment and large baggage door (See NOTE 2)		
212.	Engines		Use actual weight increase
	(a) Jacobs L-5B or L-5MB		
	(b) Jacobs L-6B or L-6MB		

Class III:

301.	Radio		
	(a) 32 lbs. provided C.G. of installation is between (-28) and (+25)		
	(b) 56 lbs. at (+25)		
302.	Special paint	Maximum 45 lbs.*	(+17)
303.	Miscellaneous extra instruments	40 lbs.*	(-43)
304.	Pressure fire extinguisher		
	(a)	15 lbs.	(-53)
	(b)	19 lbs.	(+7)
		(Tank under rear seat)	
305.	Tail wheel lock		Neglect weight increase
306.	Flares (three 1-1/2 minute electric)	17 lbs.*	(+78)
307.	Parachute seats - front (Waco-Switlik)	30 lbs.*	(-13)
308.	"Y" type control column	4 lbs.*	(-33)
309.	Cactus proof tubes	12 lbs.*	(-27)
310.	Shielding (Breeze)	11 lbs.	(-68)
311.	Vacuum pump	4 lbs.	(-53)
312.	95 gallon fuel capacity (two tanks at 47-1/2 gallons)		
		18 lbs.*	(-14)
313.	6 gallon oil tank		No weight increase (-50)
314.	Wheel pants	22 lbs.	(-27)
315.	Propeller - controllable metal (Hamilton Standard hub 2B20, Blades 6109A or 6135A)	104 lbs.	(-92)

NOTE 1. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook: (5/31/41)

- (a) Canada
 - Landplane
 - Skiplane - not eligible
- (b) All other countries except New Zealand.

NOTE 2. Weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be submitted for each cargo type aircraft with original inspector's report and each subsequent report covering changes in such equipment.

II - MODEL AGC-8, DESIGNATION 5 PCLE

Engine	Jacobs L-5
Placard limits	Maximum, except take-off -- in.Hg., 2000 rpm (285 hp) Take-off (one minute) -- in.Hg., 2000 rpm (285 hp)
Serial numbers	5001 and up manufactured prior to 2/28/41 eligible. Approval expired as of that date.

III - MODEL AGC-8, DESIGNATION 5 PCLE

Engine	Jacobs L-6
Placard limits	Maximum, except take-off (S.L.) 24.5 in.Hg., 2100 rpm (300 hp) (3700 ft.) 23.5 in.Hg., 2100 rpm (300 hp) Take-off (one minute) 26 in.Hg., 2200 rpm (330 hp)
Serial numbers	5057 and up manufactured prior to 2/28/41 eligible. Approval expired as of that date. (5001 to 5056 eligible when changed to conform.)