

MODELS: Waco EGC-8 (Army UC-72E), 5 PCLE

T.C. NUMBER: 665

Engine	Wright R760E-2
Placard limits	Maximum, except take-off 2200 rpm (320 hp) TAke-off (one minute) 2400 rpm (350 hp)
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	95 gallons (2 tanks, one in each wing at 47.5 gallons) (-14)
Oil capacity	6 gallons (-50)
No. passengers	4 (front -13, rear +22)
Baggage	(Passenger type) 100 lbs. (+52) (Cargo type) (See Item 210)
Standard weight	3800 lbs.
C.G. limits	(-18.0) and (-8.2)
Datum	Lower wing leading edge
Leveling means	Lower surface upper wing at strut points
Certification basis	Type Certificate No. 665
Production basis	None (See NOTE A)
Serial numbers	5051 and up per NOTE A and all AAF numbers eligible

EQUIPMENT:

(* Means net increase)

Class I:		
101.	Engine ring cowl	29 lbs. (-73)
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. (+23)
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 inches streamline tail wheel or 10x3 with H.D. tire	
109.	Throw-over type control column	
110.	Breeze engine shielding	
111.	Standard paint (gunmetal gray)	
112.	Oil cooler (Drawing 20965)	
113.	Heater and ventilator	
114.	Propeller - Hamilton Standard hub, 2B20, blades 6109A-12, 6109A-13, 6135A-12 or 6135A-13. Diameter 8'1/8" maximum, 7'9-7/8" minimum.	104 lbs. (-88)
Class II:		
200.	Miscellaneous items as noted on 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 24 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.* (+23)
209.	Extra radio equipment between (-22) and (+25)	
210.	Cargo type with cargo compartment and large baggage door (See NOTE 2)	
211.	Propeller - Fixed metal - Curtiss 55503	72 lbs. (-88)
212.	Constant speed propeller governor and governor control installation (Waco Drawing 45907, pitch range 10 degrees to 23 degrees). For installation with item 114.	10 lbs. (-78)
Class III:		
301.	Radio	
	(a) 32 lbs. provided C.G. of installation is between (-22) 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 increase)	
306.	Flares (three 1-1/2 minimum 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.	Larger starter	(-55)
311.	Vacuum pump	4 lbs. (-53)
312.	Wheel streamlines	22 lbs. (-27)

NOTE A. Each aircraft manufactured after 4/13/43, must, prior to original certification, satisfactorily pass:

- An inspection for workmanship, materials and conformity before any covering, metal priming or final finish is applied. All woodwork must be varnished.
- A final inspection of the completed aircraft.
- Check of flight characteristics.

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

- (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 Class I or Class II equipment.