

MODELS: Waco DQC-6 and EQC-6

I.C. NUMBER: ATC 597

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 - 108 mph True Ind.
Fuel capacity	70 gallons (2 tanks, one in each wing at 35 gallons) (-14)
Oil capacity	5 gallons (-50)
No. passengers	4, 3, or 2 (front (-13), rear (+22)) (See NOTE 2)
Baggage	Landplane 100 lbs. (+52) Seaplane 40 lbs. (+52)
C.G. limits	Landplane (-22.4) and (-6.7) Seaplane (-18.2) and (-7.3)
Datum	Lower wing leading edge
Leveling means	Lower surface upper wing at strut joints
Specification basis	Approved Type Certificate No. 597
Serial numbers	4385 and up manufactured prior to 9/30/39 eligible. Approval expired as of that date.

EQUIPMENT:

(\* Means net increase)

Class I:

Landplane:

101. Engine ring cowl	22 lbs.	
102. Landing lights (Grimes retractable)	11 lbs.	
103. Starter (direct electric)	21 lbs.	
104. Battery	42 lbs.	(+27)
105. Heater	2 lbs.	
106. Wheel cuffs	4 lbs.	
107. 6.50-10 wheels (7.50-10 tubes together with 8.50-10 tires) (wheels must be placarded for these tubes and tires)		
108. 10.5 inch streamline tail wheel		
109. Throw-over type control column		
110. Generator	12 lbs.	
111. Standard paint (blue)	11 lbs.	
112. Propeller - fixed metal - Curtiss 55501	51 lbs.	(-88)

Seaplane: (Items 101 to 105 and 109 to 112 PLJS)

151.	Edo 38-3430 floats with water rudder	481 lbs.	(-14)
152.	Water rudder control	4 lbs.	
153.	Additional fin (under fuselage)	10 lbs.	(+191)

Class II:

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

Class III:

Landplane:

301.	(a) 95 gallon fuel capacity (2 tanks at 47.5 gallons each)	18 lbs.*	(-14)
	(b) Additional 25 gallon fuel tank installed under rear seat (including gage and wobble pump) (not eligible on 5-place type)	23 lbs.	
302.	6 or 7-1/2 gallon oil capacity		(-50)
303.	Wheel streamlines	18 lbs.	(-27)
304.	Leather upholstery	27 lbs.	(0)
305.	Litter (See NOTE 2b)	14 lbs.	(+72)
306.	Engine shielding	5 lbs.	(-63)
307.	Radio equipment has been substantiated so far as weight and balance are concerned as follows:		
	(a) 82 lbs. provided CG of installation is between (-18) and (+33)		
	(b) 72 lbs. provided CG of installation is between (-18) and (+52)		
	Approved installations by manufacturer are as follows:		
	(c) Lear radio compass	44 lbs.	(+37)
	(d) Transmitter (RCA AVR-3A)	38 lbs.	(+25)
	(e) Receiver (RCA AVR-7 series)	24 lbs.	(+4)
	(f) Lear receiver	30 lbs.	(+4)
308.	French gray paint	45 lbs.	(+17)
309.	Large generator (Eclipse D-2)	26 lbs.	(-55)
310.	Large starter	10 lbs.	(-55)
311.	Miscellaneous extra instruments	25 lbs.	(-43)
312.	Remote control fire extinguisher	15 lbs.	(-45)
313.	Tail wheel lock (neglect increase)		
314.	Flares - three 1-1/2 minute	17 lbs.	(+78)
315.	Rear parachute seat (See NOTE 2b)	40 lbs.	(+27)
316.	Extra door and wing welk	16 lbs.	(+19)
317.	"Y" type control column (crew is 2)	5 lbs.	(-33)
318.	Propeller		(-88)
	(With either of these installations on Model EQC-6, the following placard limits apply:		
	Maximum, except take-off		
	2200 rpm (320 hp)		
	Take-off (one minute)		
	2400 rpm (350 hp)		
	(a) Hamilton Standard hub, 2B20, blades 6109A-12 to 1609A-13 or 6135A-12 to 6135A-13. Diameter 8'1/8" maximum, 7'9-7/8" minimum (for Model EQC-6)	54 lbs.*	
	(b) Hamilton Standard adjustable metal	28 lbs.*	
	(c) Fixed metal Curtiss 55503	11 lbs.	
	(d) Hamilton Standard hub 2B20, blades 6109A-9 to 6109A-13 or 6135A-9 to 6135A-13. Diameter 8'3-1/8" maximum, 7'9-7/8" minimum (for Model EQC-6)	54 lbs.*	

Seaplane: (Items 301(a), 302, 304, 306, 308, 309, 310, 311 (32 lbs.), 314, 316, 317, 318, PLUS)

351.	Radio receiver (W.E.)	26 lbs.	(-45)
352.	Edo 39-4000 floats with water rudder	44 lbs.*	

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. However, structure complies with Canadian requirements for ski installation when special axle per Waco Drawing 20243 is installed. Maximum standard weight as noted for landplane
  - Seaplane - maximum standard weight:
    - With Edo 38-3430 floats 3430 lbs.
    - With Edo 39-4000 floats 3800 lbs.
- (b) All other countries except Australia and New Zealand.

NOTE 2. Five-place airplanes must have:

- (a) Additional safety belt installed on rear passenger seat.
- (b) When items 305 and 315 are both installed check should be made to ascertain that approved CG limits are not exceeded.

II - MODEL DQC-6, 4 PCLB or 5 PCLB (See NOTE 2)

Engine	Wright R-760E-1
Placard limits	For all operations, 2100 rpm (285 hp)
Standard weight	Landplane 3500 lbs.

III - MODEL EQC-6, 4 or 5 PCL-SE (See NOTE 2)

Engine	Wright R-760E-2
Placard limits (See Item 318)	Maximum, except take-off 2100 rpm (300 hp) Take-off (one minute) 2250 rpm (330 hp)
Standard weight	Landplane: 3600 lbs. (Serials below 4700) 3650 lbs. (Serials 4700 and up. Serials below 4700 eligible upon receipt of manufacturer's affidavit of conformity.) Seaplane: 3610 lbs. (with Edo 38-3430 floats) 3800 lbs. (Serials 4700 and up with Edo 39-4000 floats. Serials below 4700 with 39-4000 floats eligible when fuselage member 29 reinforced in accordance with Waco Drawing SK-404.)

NOTE 3. Model EQC-6 must have the following placard installed in full view of the pilot:  
"ALWAYS USE BOTH RIGHT AND LEFT WING TANKS FOR TAKE-OFF AND FLIGHT AT  
LCW ALTITUDES."