

MODELS: Fairchild 24 C8E and C8ES, 3 PCL-5M

T.C. NUMBER: ATC 600

I - Specifications Pertinent to Both Models:

Engine	Warner Super Scarab Series 40, 50, or 50A
Placard limits	Maximum, except takeoff - in. Hg., 2050 rpm (145 hp) Takeoff (one minute) - in. Hg., 2050 rpm (145 hp)
Placard speed	Flaps extended 94 mph Ind.
Fuel	40 gallons (one 20 gallon tank in each wing) (+26) (See item 307)
Oil	3 gallons
No. passengers	2 (front +26, rear +53) (See item 307)
Spec. basis	Approved Type Certificate No. 600
Serial Nos.	2800 and up manufactured prior to 9/30/39 eligible. Approval expired as of that date.

EQUIPMENT:

(Datum is wing leading edge) (* Means net increase)

Class I:

A. Landplane

101. Engine ring cowl	24 lbs.	
102. Battery - in engine compartment (Eride 6-TS-7-1 or Reading 6-ARL-9)	23 lbs.	
103. Starter (Eclipse Y-150)	18 lbs.	
104. 6.50-10 wheels		
105. 8 in. streamline tail wheel		
106. Propeller - wood (fixed pitch)	27 lbs.	(-48)
107. Oil radiator (Serial Nos. 2820 and up)		

B. Seaplane: Items 101, 102, 103, 106, 107, PLUS

151. Edo 44-2425 floats with water rudder		
152. Seaplane type fin underneath fuselage		

Class II:

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

2. Flares - three 1-1/2 minute	20 lbs.	(+48)
2. Radio equipment		
(a) 22 lbs. installed at approximate location of instrument board		(+6)
(b) Additional (or other) equipment with C.G. approximately same as baggage		(+42)

Approved installations by manufacturer are as follows:

RCA AVR-7 Series	22 lbs.	(+6) or (+42)
Western Electric 17A	22 lbs.	
(11 lb. receiver at +6)		
(11 lb. dynamotor at +42)		
RCA AVR-8 compass	59 lbs.	
(30 lb. receiver unit at +42 with rear seat moved to right)		
Fairchild-Kreusi Type RC-3 compass	70 lbs.	(+42)

203. Engine metalizing and corrosion proofing

	33 lbs.	
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Class III:

301. Landing lights

(a) Two (Adams Westlake Type A-6 or Grimes ST-250)	9 lbs.	(+4)
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	(b) One in fuselage	5 lbs.	(0)
302.	Generator and control box		
	(a) Leece Neville 3CG-3	20 lbs.	(-18)
	(b) Bosch LE70/12 B-5	12 lbs.	(-18)
	(c) Wind driven	10 lbs.	(-10)
303.	Shielding	4 lbs.	(-35)
304.	Wheel streamlines (on standard type cantilever gear)	16 lbs.	(+3)
305.	Sport type landing gear with wheel streamlines and Vee strut Drawing No. 43117 (replacing standard cantilever type landing gear)	Net decrease 8 lbs.	
306.	Propeller - adj. metal (Hamilton Standard hub 7056, blades 19B 1/2-16 or -17) (Landplane only)	33 lbs.*	
307.	Propeller - fixed pitch metal (Curtiss 55511)	Use actual weight	
307.	Auxiliary 20 gallon fuel tank replacing rear passenger seat (allowable baggage may be increased 39 lbs. with this installation)	11 lbs.*	
308.	Cabin heater and ventilator	7 lbs.	(-6)
309.	Oil radiator (for serial numbers below 2820)	11 lbs.	
310.	Parachutes replacing cushions - front seats only	18 lbs. each	(+26)
311.	Bonding	5 lbs.	(+22)
312.	Pressure fire extinguisher	18 lbs.	(-11)

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 special landing gear per Drawing 43143 is installed.
 - Seaplane
- (b) All other countries except Australia.

II - Model C8E, Designation 3 PCLM:	
Baggage	100 lbs. (carried on both sides of rear passenger seat) (+42) (See Item 307)
Standard weight	2400 lbs.
C.G. limits	(+18.0) and (+24.4)
III - Model C8E, Designation 3 PCSM:	
Baggage	135 lbs. (carried on both sides of rear passenger seat) (+42) (includes anchor and rope 15 lbs.) (See Item 307)
Standard weight	2550 lbs.
C.G. limits	(+19.5) and (+25.5)