

MODELS: Fairchild 24 C8F (Army UC-61J) and C8FS, 3 PCL-SM

T.C. NUMBER: ATC 610

I - Specifications Pertinent to Both Models:

Engine	Ranger 6-390D or 6-390D3
Placard limits	For all operations, 6-390D - 2250 rpm (145 hp) 6-390D3 - 2350 rpm (150 hp)
Placard speeds	Flaps extended - 94 mph True 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)
Serial Numbers	3100 and up manufactured prior to 9/30/39 and all AAF Nos. eligible. Approval expired as of 9/30/39.

EQUIPMENT:

(Datum is wing leading edge) (\* Denotes net increase)

Class I:

A. Landplane		
101. Generator (Elec. Spec. NA1) and cutout	16 lbs.	(+3)
102. Battery - in engine compartment (Exide 6-TS-7-1)	26 lbs.	
103. Starter (Eclipse Y-150)	18 lbs.	

104.	6.50-10 wheels (Warner 3270)		
105.	8 in. streamline tail wheel		
106.	Oil cooler (Harrison)	8 lbs.	
107.	Propeller - wood (fixed pitch)	32 lbs.	(-58)
B.	Seaplane: Items 101, 102, 103, 106, 107 PLUS		
151.	Edo 44-2425 floats with water rudder	333 lbs.	
152.	Seaplane type fin underneath fuselage	5 lbs.	

Class II:

200.	Miscellaneous items as noted in approved weight and balance report.		
201.	Flares - three 1-1/2 minute	20 lbs.	(+49)
202.	Radio equipment:		
(a)	22 lbs. installed at approximate location of instrument board		(+5)
(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	58 lbs.	
	(30 lb. receiver unit at +42 with rear seat moved to right)		
	Fairchild-Kreusi Type PC-3 compass	70 lbs.	(+42)
203.	Engine metalizing and corrosion proofing Maximum	30 lbs.	(+41)
204.	Pressure fire extinguisher (Lux)	13 lbs.	(+42)
205.	Deleted - 4/10/45		

Class III:

301.	Landing lights		
(a)	Two (Adams Westlake A-6 or Grimes ST-250) in wing	9 lbs.	(+4)
(b)	One in fuselage	5 lbs.	(0)
302.	Shielding	8 lbs.	(-36)
303.	Cabin heater and ventilator	6 lbs.	(-6)
304.	Wheel streamlines (on standard 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.	Auxiliary 20 gallon fuel tank replacing rear passenger seat (allowable baggage may be increased 39 lbs. when this item is installed)	11 lbs.*	(+52)
307.	Parachutes replacing cushions - front seats only	13 lbs. each	(+26)
308.	Bonding	5 lbs.	(+22)

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 - not eligible.
- (b) All other countries except Australia.

NOTE 2. Prior to certification of any UC-61 Series airplane having uncertificated position lights, these lights should be replaced with approved types. In the event that Air Force Type A-2 wing tip lights are installed, these lights may be used provided the sand-blasted surface on the inside of the cover glass is painted black.

II - Model C8F (Army UC-61J - see NOTE 3), 3 PCLM:

Propeller	Maximum permissible diameter 109 inches
Baggage	50 lbs. (Carried on both sides of rear passenger seat) (+42) (See Item 306)
Standard weight	2400 lbs.
C.G. limits	(+16.5) and (+22.5)

III - Model C8FS, 3 PCSM:

Propeller	Maximum permissible diameter 114 inches
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Baggage	27 lbs. (Carried on both sides of rear passenger seat) (+42) (Includes anchor and rope 15 lbs. when carried) (See Item 306)
Standard weight	2550 lbs.
C.G. limits	(+19.2) and (+23.8)