

MODELS: Fairchild F-45 (Army UC-30), 5 PCLM

T.C. NUMBER: 603

Engine	Wright R760E-2
Placard limits	Maximum, except takeoff -- in. Hg., 2200 rpm (320 hp) Takeoff (one minute) -- in. Hg., 2400 rpm (350 hp)
Placard speeds	Level flight or climb - 171 mph True Ind. Glide or dive - 215 mph True Ind. Flaps extended - 90 mph True Ind.
Fuel	90 gallons (two tanks at 45 gallons each in wings) (+37)
Oil	6 gallons (-12)
No. passengers	4
Baggage	96 lbs. (50 lbs. in rear compartment (+97) and 46 lbs. in center section (+37) (See Item 301)
Standard weight	4000 lbs.
C.G. limits	(+26.6) and (+35.7)
Spec. basis	Type Certificate No. 603 (Aero. Bulletin 7A requirements)
Serial Nos.	4001 and up eligible per NOTE A

EQUIPMENT:

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

Class I:

101.	Starter (Eclipse Elec. F-141)	25 lbs.	
102.	Generator (-24) and control box (-17) (Leece-Neville 3CG-4)	21 lbs.	
103.	Battery (Exide 6-TS-13-1)	37 lbs.	(-16)
104.	Extra instruments (includes manifold pressure gauge)		
105.	8.50-10 wheels (Hayes 850-A)		(+17)
106.	10.5 in. streamline tail wheel		(+269)
107.	Engine ring cowl		
108.	Heater and ventilator		
109.	Landing gear position indicator and warning horn		
110.	Propeller - controllable metal (Hamilton Standard hub 2B20, blades 6109A-12)	103 lbs.	(-56.5)

Class II:

200.	Miscellaneous items as noted in approved weight and balance report.		
201.	Battery and box		(-23)
	(a) (Exide 6-TX-19-1)	30 lbs.*	
	(b) (Reading 6-AR-11)	13 lbs.*	
202.	Generator (Eclipse D-2) (-24) and control box (Eclipse CB-67-D) (-11)	5 lbs.*	
203.	Radio equipment		
	(a) Receiver (RCA AVR-7 Series)	17 lbs.	(+106)
	(b) Transmitter (RCA AVT-7 Series)	15 lbs.	(+106)
	(c) Compass (Kreusi RC-3)	90 lbs.	(+32)
	(d) Compass (RCA AVR-8A)	71 lbs.	(+23)
	(e) Transmitter (RCA AVR-12A)	71 lbs.	(+32)

Class III:

301.	Fuel tanks - one or two extra 30 gallons in center section replacing baggage compartment	21 lbs. each	(+35)
302.	Oil tanks		
	(a) 7-1/2 gallons	No change in weight	
	(b) 9-1/2 gallons	2 lbs.*	(-15)
303.	Retractable landing lights (Grimes)	9 lbs.*	(+39)
304.	Flares - four 1-1/2 minute	25 lbs.	(+99)
305.	Radio equipment		
	(a) Dynamotor	43 lbs.	(+77)
	(b) Wiring, bonding, shielding, antennas, controls and conduits	30 lbs.	(+4)
306.	(a) Instrument panels and supports	5 lbs.	(+5)
	(b) Access door and frame	5 lbs.	(+89)
307.	Special instruments	27 lbs.	
308.	Pressure fire extinguisher (Lux No. 5)	21 lbs.	(-13)

NOTE A. Each aircraft manufactured after 2/27/42 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 may be varnished.
- A final inspection of the completed aircraft.
- A check of flight characteristics.

NOTE 1. Eligible for export to all countries except Great Britain, Canada, Australia and New Zealand (2/27/42):