

MODELS: Bellanca 14-12F-3, 3 PCLM

T.C. NUMBER: 745 (Approved 10/30/41)

Engine	Franklin 6AC-264-F3
Fuel	80 minimum octane aviation gasoline
Engine limits	For all operations, 2600 rpm (120 hp)
Airspeed limits	Level flight or climb - 143 mph True Ind. Glide or dive - 171 mph True Ind. Flaps extended - 86 mph True Ind.
Propeller limits	Static rpm at maximum permissible throttle setting - not more than 2210, not less than 1915 No additional tolerance permitted Diameter - not more than 74 in., not less than 72 in.
C.G. range	(+17.2) to (+23.0)
Datum	Leading edge of wing at Rib No. 1 (Rib No. 1 is 24 inches outboard from fuselage centerline)
Leveling means	Lugs on right side of cabin at seat level
Maximum weight	1900 lbs.
No. seats	3 (two at +20 and one at +53.5)
Maximum baggage	60 lbs. (+29) (See Items 209 and 301)
Fuel capacity	20 gallons (+29) (See Item 201)
Oil capacity	2 gallons (-36)
Control surface movements	Elevators - up 15 degrees (with landing gear retracted), up 23 degrees (with landing gear extended) down 22 degrees Elevator tab - up 0 degrees, down 22 degrees Rudder - 18 degrees right and left from centerline Ailerons - up 22 degrees, down 22 degrees Flaps - 48 degrees down
Serial Nos. eligible	1042 and up
Required equipment	Items 101, 102, 103, 104, 105, 106, 107 and 108

Specifications Pertinent to All Models:

Certification basis	Type Certificate No. 745 (Car 4a)
Production basis	Production Certificate No. 11
Export eligibility	Eligible for export as follows subject to provisions of MOP 2-4 (a) Canada - Landplane - eligible - Seaplane - not eligible (b) All other countries except Australia and New Zealand

Equipment: A plus (+) or minus (-) sign preceding the weight of an optional item indicates the net weight change when that item is installed.

Propellers and Propeller Accessories		
101. Propeller - wood (fixed or adjustable pitch)	11 lbs.	(-48)
107. Propeller spinner	1 lb.	(-48)
Engines and Engine Accessories - Fuel and Oil System		
106. Starter (Autolite type MBG 12V)	15 lbs.	(-26)
108. Oil cooler (Harrison Model HE-212)	3 lbs.	(-47)
201. Fuel tank (20 gallons) right wing	8 lbs.	(+28)
Landing Gear and Floats		
102. Wheels and brakes (Firestone or Shinn 6C2YFB) and 6.00-6 4-ply tires	30 lbs.	(+9)
103. 6x2.00 sponge rubber tail wheel (Drawing 7791)	2 lbs.	(+192)
Electrical Equipment		
104. Battery (Reading R-24L) and box	26 lbs.	(+39)
106. Generator (Autolite type GBY 12V)	12 lbs.	(-24)
202. Landing lights (Grimes 3T-250)	4 lbs.	(+18)
207. Radio shielding	4 lbs.	(-31)
208. Position lights (Grimes)	3 lbs.	(+46)
Interior Equipment		
209. 35 lb. capacity baggage compartment (on rear floor - Drawing 7905)	Neglect weight change	
301. 63 lb. capacity baggage compartment replacing rear seat	+1 lb.	(+57)

NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be in each aircraft at the time of original certification and at all times thereafter (except in the case of air carrier operators having an approved weight control system).