

MODELS: Bellanca 14-9, 14-9L

T.C. NUMBER: 716

I - Model 14-9, 3 PCLM (Approved 8/24/39)

Engine	Rearwin LeBlond 90 5 F or Ken Royce 90 5G
Fuel	65 minimum octane aviation gasoline
Engine limits	For all operations, 2250 rpm (90 hp)
Airspeed limits	Level flight or climb - 135 mph True Ind. Glide or dive - 170 mph True Ind. Flaps extended - 86 mph True Ind. (See NOTE 4)
Propeller limits	Static rpm at maximum permissible throttle setting - not more than 2130, not less than 2030 No additional tolerance permitted Diameter - not more than 74 in., not less than 72 in.
C.G. range	(+18.0) to (+24.2) (See NOTES 2 and 3)
Maximum weight	1750 lbs.
No. seats	3 (two at +18 and one at +54)
Maximum baggage	60 lbs. (+29) (See Items 206 and 305)
Fuel capacity	22 gallons (+29) (See Item 303)
Oil capacity	2 gallons (-21)
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 1003 and up
 Required equipment Items 101, 102, 103, 104, 105, and 106

II - Model 14-9L, 3 PCLM (Approved 12/13/40)

Engine Lenape Brave LM-5
 Fuel 73 minimum octane aviation gasoline
 Engine limits For all operations, 2200 rpm (95 hp)
 Airspeed limits Level flight or climb - 135 mph True Ind.
 Glide or dive - 170 mph True Ind.
 Flaps extended - 86 mph True Ind.
 (See NOTE 4)
 Propeller limits Static rpm with maximum permissible throttle
 setting - not more than 2090, not less than 1990
 No additional tolerance permitted
 Diameter - not more than 74 in., not less than
 72 in.
 C.G. range (+18.0) to (+24.2)
 (See NOTES 2 and 3)
 Maximum weight 1750 lbs.
 No. seats 2 (two at +18 and one at 54)
 Maximum baggage 60 lbs. maximum (+29) (See Items 206 and 305)
 Fuel capacity 22 gallons (+29) (See also Item 303)
 Oil capacity 2 gallons (-21)
 Control surface Elevators - up 15 degrees (with landing gear
 movements 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 1011 and up
 Required equipment Items 101, 102, 103, 104, 105 and 106

Specifications Pertinent to All Models:

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 cockpit below door
 Certification basis Type Certificate No. 716 (CAR 4(a))
 Production basis Production Certificate No. 11
 Export eligibility Eligible for export as follows subject to provisions
 of MOP 2-4
 (a) Canada
 - Landplane - eligible
 - Skiplane - 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) (less hub) 14 lbs. (-44)

Engines and Engine Accessories - Fuel and Oil System

104. Engine ring cowl 14 lbs. (-30)
 105. Carburetor air heater 3 lbs. (-32)
 303. Fuel tanks:
 (a) 20 gallon (replacing standard) No weight change
 (b) 20 gallon auxiliary (replacing
 standard baggage compartment) +8 lbs. (+28)

Loading Gear and Floats

102. 8.00-4 wheels with brakes Goodrich or
 Hayes, 841) and 4-ply tires (wheels must
 be placarded for these tires) 27 lbs. (+11)
 103. 4 in. solid rubber tail wheel (Drawing
 7768) or 6x2.00 sponge rubber Drawing
 7791) 2 lbs. (+198)

Electrical Equipment

106. 2 dry cell batteries (Burgess 4F2H)
 required for warning devices 6 lbs. (-11)
 202. Battery
 (a) (Exide 3-AC-7-1) 8 lbs. (-16)
 (b) (Exide 6-TS-7-1) 28 lbs. (+35)
 (c) (Willard SYR-7-6) 15 lbs. (-16)

203.	Generator (Champion 128-W) (Drawing 7825)	10 lbs.	(+14)
204.	Landing light (Grimes ST-250)	4 lbs.	(+18)

Interior Equipment

205.	Flares (5 one minute, International) (Drawing 7817)	17 lbs.	(+86)
206.	35 lb. capacity baggage compartment (on rear floor - Drawing 7905)	Neglect weight change	
301.	Parachutes (one, two or three)	20 lbs. each	
302.	Cabin heater (Drawing 7790-A)	3 lbs.	(-22)
305.	63 lbs. 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).

NOTE 2. Elevator tab travel must be adjusted to 0 degrees up and 22 degrees down. Serial 1004, 1006, 1007 and 1008 must have forward C.G. limited to (+18.6) until tab range is so increased in accordance with Drawings 7630-D and 7749-C.

NOTE 3. This range applies to airplanes equipped with flaps. For airplanes which do not have flaps (Serial Nos. below 1038) the following C.G. range applies: (+16.1) to (+24.2).

NOTE 4. Serial numbers 1003 through 1037 eligible for flaps if reworked in accordance with Bellanca Drawings 7815, 7822, 7919, and 7577 Change L.