

MODELS: Bellanca Pacemaker 31-42, 2 or 8 PCSM

T.C. NUMBER: 2-509

(Same as Model 31-42, T.C. 578, except floats)

Engine	Wright R975E-2
Placard limits	For all operations, 2150 rpm (420 hp)
Placard speeds	Level flight or climb - 160 mph True Ind. Glide or dive - 199 mph True Ind.
Fuel	200 gallons (two tanks in wings at 100 gallons each - right wing tank has built-in reserve tank of 12 gallon capacity)
Oil	12 1/2 gallons
No. passengers	1 (See NOTE 2) or 7
Baggage	(See NOTE 2)
Standard weight	5600 lbs. (passenger); 5900 lbs. (cargo)
C.G limits	(+12.0) and (+22.7)
Spec. basis	Aero. Bulletin 7A, Section 3
Serial Nos.	251 and 252 only eligible

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

Class I:

101.	Engine ring cowl	30 lbs.
102.	Battery (under cabin floor)	40 lbs.
103.	Starter	20 lbs.
104.	Generator	20 lbs.
105.	Edo Ya-6235 floats with water rudders	
106.	Passenger type (4 seats at 11 lbs. (pilot's compartment), 8 lbs., 8 lbs. and 19 lbs.; folding bench for 3 persons)	
107.	Throw-over type control	
109.	Propeller - controllable metal (Hamilton Standard hub 2D30, blades 6101-10)	

Class III:

301.	Electric starter	12 lbs.*
302.	Heater	20 lbs.
303.	Toilet equipment	7 lbs.
304.	Flares and holders	16 lbs.
305.	Landing lights	3 lbs.

NOTE 1. Eligible for export to Canada with the exception of floats which do not comply with Canadian requirements for Metacentric height (7/20/35).

NOTE 2. Weight and balance report and loading instructions required.
Maximum capacity of baggage compartments as follows: (Fuselage bays Nos. 1, 2 and 3 numbered from front to rear)
(a) Passenger type 1st bay 25 lbs.
(b) Cargo type 1st bay (1162 + 25) 1187 lbs. (Must be reduced by (Pass.) 170 lbs. and (seat) 11 lbs. when passenger is carried in pilot's compartment.)
Cargo type 2nd bay 400 lbs.
Cargo type 3rd bay 200 lbs.