MODELS: Piper J-2, 2 PO-CL-SM

T.C. NUMBER: ATC 595

Engine	Continental A-40, A-40-2, A-40-3, A-40-4 or A-40-5 (dual ignition) (See Item 309)
Placard limits	(A-40) (A-40-2) Maximum, except take-off -- in.Hg., 2550 rpm (37 hp) (A-40-3) Take-off (one minute) -- in.Hg., 2550 rpm (37 hp) (A-40-4) Maximum, except take-off -- in.Hg., 2575 rpm (40 hp) (A-40-4) Take-off (one minute) -- in.Hg., 2575 rpm (40 hp) (A-40-5) Maximum, except take-off -- in.Hg., 2575 rpm (40 hp) (A-40-5) Take-off (one minute) -- in.Hg., 2575 rpm (40 hp)
Propeller	Maximum permissible diameter 81 inches
Placard speeds	Not required
Fuel capacity	9 gallons (one in fuselage
Cil capacity	1 gallon (in engine crankcase)
No. passengers	1 (+9) or (+36)
Baggage	(1 compartment aft rear seat) Landplane 20 lbs., Seaplane 12 lbs. (Placard compartment: "Includes anchor and rope 12 lbs. when carried.")
Weights	Empty - Use actual (Seaplane approximately 88 lbs. net increase over landplane) Standard - 970 lbs. (serials 500 thru 599) Landplane - 1000 lbs. (serials 600 and up) Seaplane - 1068 lbs.
C.G. limits	Landplane (+11.8) and (+20.4) Seaplane (+10.2) and (+20.8)
Specification basis	Approved Type Certificate No. 595
Serial numbers	Landplane - 500 and up manufactured prior to 9/30/39 eligible. Seaplane - 658 and up manufactured prior to 9/30/39 eligible. Approval expired as of that date.

EQUIPMENT: (Datum is wing leading edge)

Class I:		
(a) Landplane:		
101.	7.00-4 wheels (Shinn) and tires	
102.	Tail skid	3 lbs.
103.	Wood propeller	12 lbs.
(b) Seaplane: Item 103 PLUS		
151.	Edo D-1070 floats	145 lbs.
152.	Auxiliary fins (on left and right stabilizer)	
Class II:		
(a) Landplane:		
200.	Miscellaneous items as noted in approved weight and balance report.	
201.	Everel propeller I-38-A or -B (single blade)	12 lbs.*
202.	Wheel streamlines	6 lbs.*
(b) Seaplane: Items 200 and 201		
Class III:		
(a) Landplane:		
301.	18x8-3 wheels (Goodyear 3LNBM, ATC 26)	No change in weight
302.	Position lights	3 lbs.
303.	Cockpit enclosure	6 lbs.
304.	Steerable tail wheel with 6x2.00 tire	
	(a) Aircraft Associates (Drawing E-4)	3 lbs.*
	(b) Aero Activities (Drawing 1-C)	3 lbs.*
305.	8.00-4 wheels (Hayes Model 840)	
306.	Battery (3-ERL-6)	8 lbs.
307.	Carburetor heater	2 lbs.
	(a) Model J2-A95	
	(b) Model J2-A902	
	(c) Poorman	
308.	Combination carburetor and cabin heater	3 lbs.
	(a) Model J2-L90	
	(b) Grieder	
	(c) Air Transport and Equipment (Model II)	
309.	A-40-5 engine with dual ignition	13 lbs.*
310.	Parachute - 1 or 2 at 20 lbs. each	

311. Miscellaneous extra instruments
312. Grieder pressure cowling (Model A) 2 lbs.
313. Skis
(a) Piper S-1000
(b) Air Transport A or 1220-480
(c) Federal SA-1
(d) Marston MFS-1200

(b) Seaplane: Items 302, 303, 307, 308, 309, 310, 311, and 312 PLUS
351. Edo 54-1140 float installation (Item 152 unnecessary with this installation) No weight change

NOTE 1. Eligible for export as follows subject to inspection for equipment specified in Chapter XII of Inspection Handbook (5/25/38)
(a) Canada:
(1) Landplane
(2) Seaplane provided modified front lift struts in accordance with Taylor Drawing J2-151 are installed.
(3) Skiplane - not eligible. However, structure complies with Canadian requirements for ski gear when item 313(a) or equivalent is installed.
(b) Great Britain provided wing rear spars are reinforced in accordance with Taylor Drawing J2-L15.
(c) Australia as landplane only provided that:
(1) Wing spars are reinforced in accordance with Taylor Drawing J2-L15.
(2) Modified front lift struts in accordance with Taylor Drawing J2-151 are installed.
(3) The following placard speeds are displayed:
Level flight or climb 80 mph
Glide or dive 108 mph
(d) All other countries.

NOTE 2. The airplanes eligible are also approved with alternate seats, heel wells and rear rudder pedals in accordance with Drawings J2-A46, J2-A62 and J2-A65. Installation may be made in field using parts furnished by manufacturer.

NOTE 3. Some aircraft incorporate splices near the tip of the wing spars, made at the factory.