

MODELS: Piper J-3, 2 PCL-SM

T.C. NUMBER: ATC 660

Engine	Continental A-40, A-40-2, A-40-3 or A-40-4 (see also Item 305 and NOTE 4)
Placard limits	A-40, A-40-2, A-40-3: Maximum, except take-off -- in.Hg., 2550 rpm (37 hp) Take-off (one minute) -- in.Hg., 2550 rpm (37 hp) A-40-4: Maximum, except take-off -- in.Hg., 2575 rpm (40 hp) Take-off (one minute) -- in.Hg., 2575 rpm (40 hp)
Propeller	Maximum permissible diameter 81 inches
Fuel capacity	9 gallons (one tank in fuselage) (-18)
Oil capacity	1 gallon (in engine crankcase)
No. passengers	1 (+9) and (+36)
Baggage	Landplane - 20 lbs. (+44) 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 - Landplane 1000 lbs. - Seaplane 1070 lbs.
C.G. limits	Landplane (+10.6) and (+22.7) Seaplane -- (+10.2) and (+20.8) (Edo D-1070 floats) -- (11.8) and (+23) (Edo 54-1140 floats)
Specification basis	Approved Type Certificate No. 660
Serial numbers	1100 thru 1200, and 1999 and up manufactured prior to 10/15/39 eligible. Approval expired as of that date. (See NOTE 4.)

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

Class I:

(a) Landplane:

101.	Propeller - wooden (fixed or adjustable pitch)	9 lbs.	
102.	7.00-4 wheels (Shinn) and tires	21 lbs.	(+3)
103.	Tail skid	4 lbs.	

Seaplane: Item 101 PLUS

151.	Edo D-1070 float installation	145 lbs.	
152.	Auxiliary fin (on left and right stabilizer) (See NOTE3)		
153.	Diagonal tension straps under front seat		

Class II:

(a) Landplane:

200. Miscellaneous items as noted in approved weight and balance report.

(b) Seaplane: Items 200 and 309

Class III:

(a) Landplane:

301.	Wheels		
	(a) 18x8-3 (Goodyear 3LNBM)	Net decrease 2 lbs.	
	(b) 8.00-4 (Hayes 840)	No weight change	
	(c) 8.00-4 (Hayes 841) with brakes	4 lbs.*	
	(d) Steerable tail wheel with 6 x 2.00 tire	3 lbs.*	
	(1) Aircraft Associates (Drawing E-4)		
	(2) Aero Activities (Drawing 1-C)		
302.	Battery (Reading 3-BRL-6)	8 lbs.	
303.	Carburetor heater	2 lbs.	
304.	Combination carburetor and cabin heater	3 lbs.	(-39)
306.	Dual ignition engine - Continental A-40-5 (Placard limits same as for A-40-4)	13 lbs.*	(-39)
306.	Parachutes		
	(a) Front	20 lbs.	(+9)
	(b) Rear	20 lbs.	(+36)
307.	Miscellaneous extra instruments		
308.	Emergency exit		
309.	Everel single blade propeller	12 lbs.*	
310.	Wheel streamlines	6 lbs.	
311.	12 gallon fuel tank (replacing 9 gallon standard tank)		
312.	Frieze type balanced ailerons	No weight change	
313.	Skis (use actual weight)		
	(a) Piper S-1000		
	(b) Air Transport A, 1220-480 or 1460-580		
	(c) Federal SA-1, SA-2, SC-1 or SC-2		
	(d) Marston MFS-1200 or MFS-1600		
	(e) Washington Aircraft 1200		
	(f) Fairbanks MF-5		
	(g) Aviation Service B		
	(h) Heath 665		
314.	Dual brake installation (Drawing D4101-C)		
315.	Two-hinge tail surfaces D-4152-C and D4157-C		

(b) Seaplane: Items 302 to 308, inclusive, PLUS

351.	Edo 54-1140 float installation (See NOTE 3)	147 lbs.	
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NOTE 1. Some aircraft of this model incorporate splices near the tip in the wing spars made at the factory.

NOTE 2. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook (1/22/40):

(a) Canada

- Landplane
- Skiplane - not eligible. However, structure complies with Canadian requirements when Item 313 (a) or equivalent is installed.
- Seaplane - maximum standard weight 1070 lbs.

(b) Great Britain provided rear spars are reinforced in accordance with Piper Drawing J2-L15. If 13/16 inch spars are used, they must also be reinforced in accordance with Piper Drawing J3-A-107.

(c) Australia provided that:

- (1) Wing spars are reinforced in accordance with Piper Drawing J2-L15. If 13/16 inch rear spars are used they must also be reinforced in accordance with Piper Drawing J3-A-107.
- (2) The following placard speeds are displayed:

Level flight or climb	72 mph Ind.
Glide or dive	108 mph Ind.

(d) All other countries.

NOTE 3. Item 152 unnecessary when item 351 installed.

NOTE 4. Serial number 2309 also eligible as landplane with the following:

Engine	Franklin 4AC-150 Series 40
Placard limits	Maximum, except take-off
	-- in.Hg., 1875 rpm (40 hp)
	Take-off (one minute)
	-- in.Hg., 1875 rpm (40 hp)
Propeller	Maximum permissible diameter 79 inches
Placard speeds	Level flight or climb - 78 mph Ind.
	Glide or dive - 108 mph Ind.

NOTE: Eligible for export to all countries except Canada, Great Britain and Australia. (Formerly known as Model J3F-40. SPECIAL NOTE 11 on A.M.I.N. not pertinent.)