

MODELS: Rankin, Porterfield CP-40 and CP-40A, 2 PCLM

T.C. NUMBER: 2-530

I - SPECIFICATIONS PERTINENT TO ALL MODELS:

Propeller	Maximum permissible diameter 80 inches
Airspeed limits	Level flight or climb - 83 mph True Ind. Glide or dive - 112 mph True Ind.
Fuel capacity	9 gallons (-10)
Oil capacity	1 gallon (-35)
No. passengers	1 (+8) or (+37)
Baggage	10 lbs. (+63)
Standard weight	1040 lbs.
C.G. limits	(+13.5) and (+21.1)
Specification basis	Aero. Bulletin 7A, Section 3
Serial Numbers	250 and up manufactured prior to 7/1/40 eligible. Approval expired as of that date.

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

Class I:

101.	6.00-6 wheels (Shinn 6C2) with 2-ply tires	21 lbs.	(+3)
102.	Tail skid		
103.	Cabin enclosure	20 lbs.	(+28)
104.	Propeller - wood	9 lbs.	

Class II:

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

Class III:

301.	6.00-6 wheels (Shinn 6C2B) with brakes and 2-ply tires	6 lbs.*	(+3)
302.	16x7-3 wheels (Goodyear 3LMBM) and tires	2 lbs.*	(+3)
303.	16x7-3 wheels (Goodyear 3LMBM) and tires and brakes	13 lbs.*	(+3)
304.	Carburetor air heater (Drawing B-804)	2 lbs.	(-36)
305.	Emergency exit (large window on left side)	2 lbs.	(+28)
306.	Navigation lights	2 lbs.	
307.	Miscellaneous extra instruments	4 lbs.	

NOTE 1. Following placard is required: "When flying solo, pilot must fly from front seat", unless an actual C.G. check is made substantiating the rear seat position.

NOTE 2. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook (10/12/38):

- (a) Canada
 - Landplane - Provided item 305 is installed and the following engine limits use for Model CP-40: For all operations, 2500 rpm (39 hp).
 - Skiplane - not eligible.
- (b) All other countries except Australia and Great Britain.

II - MODEL CP-40:

Engine	Continental A-40-4
Engine limits	For all operations - 2575 rpm (40 hp)

III - MODEL CP-40A:

Engine	A-40-5
Engine limits	For all operations - 2575 rpm (40 hp)