

MODELS: Rearwin 9000 and DeLuxe 9000, 2 PCL-SM

T.C. NUMBER: 624

Engine	Warner Scarab Jr.
Placard limits	Maximum, except take-off -- in. Hg., 2025 rpm (90 hp) Take-off (one minute) -- in. Hg., 2025 rpm (90 hp)
Placard Speeds	Landplane: Level flight or climb - 105 mph Ind. Glide or dive - 142 mph Ind. Seaplane: Level flight or climb - 100 mph Ind. Glide or dive - 135 mph Ind.
Fuel capacity	24 gallons (two tanks - one in each wing at 12 gallons) (+23)
Oil capacity	2 gallons (-26)
No. passengers	1 (+40)
Baggage	Aluminum compartment in cabin (+63) Maximum - Landplane - 30 lbs. Seaplane - 20 lbs. Wooden compartment aft of cabin (+73) Maximum - Landplane - 20 lbs. Seaplane - 15 lbs.
Standard weight	Landplane - 1460 lbs. Seaplane - 1615 lbs.
C.G. limits	Landplane - (+7.2) and (+17.8) Seaplane - (+8.7) and (+17.5)
Spec. basis	Type Certificate No. 624 (Aero. Bulletin 7A requirements)
Serial Nos.	490 and up eligible (See NOTE A)

EQUIPMENT: (Datum is wing leading edge) (* Means net increase) (See NOTE 4)

Class I:

A. Landplane			
101. Exhaust collector ring		7 lbs.	(-37)
102. 7.00-4 wheels (Warner 1105 or Shinn AV) and 4-ply tires		21 lbs.	(-6)
103. Tail skid		6 lbs.	(+186)
104. Seat back cushions			
105. Propeller - wood (including hub, 9 lbs.)	25 lbs.		(-53)
B. Seaplane: Items 101, 104 and 105 PLUS			
151. Edo H-1525 or 46-1620 floats			
152. Seaplane type fin, rudder and auxiliary fin		16 lbs.*	

Class II:

A. Landplane			
200. Miscellaneous items as noted in approved weight and balance report.			
201. Engine ring cowl	12 lbs.		(-47)
202. Battery and box			(-24)
(a) Reading 6-ARL-9 or 6-ARL-11	33 lbs.		
(b) Exide 3TS-13-1 or 6AC-7-1	23 lbs.		
(c) Reading 3-BRL-9	10 lbs.		
(d) Exide 6-TS-7-1	31 lbs.		
(e) Exide 6-TS-13-1	41 lbs.		
(f) Exide 3-AC-7-1	13 lbs.		
203. Carburetor air heater	2 lbs.		(-50)
204. 18x8-3 wheels (Goodyear) with brakes and 4-ply tires	20 lbs.*		(-6)
205. 18 in. streamline wheels (Bendix) with brakes	13 lbs.*		(-6)
206. 18x8-3 wheels (Goodyear) with 4-ply tires	8 lbs.*		(-6)
207. Tail wheel			
(a) Castor installation on tail skid spring No. 315	2 lbs.*		(+192)
(b) Aero Activities steerable on tail skid spring No. 315	3 lbs.*		(+192)
(c) Aircraft Assoc. steerable on tail skid spring No. 315	3 lbs.*		(+192)
(d) Bungee type assembly with 6x2.00			

	(1) Pneumatic tire	7 lbs.	(+171)
	(2) Solid rubber tire	8 lbs.	(+171)
208.	Additional instruments	5 lbs.	(-9)
209.	Starter (Eclipse Y-150) (16 lbs.) including wiring	22 lbs.	(-26)
210.	Cabin heater	2 lbs.	(-30)
211.	Lagged oil tank and lines	2 lbs. (-28)	
212.	Heywood starter and tank	10 lbs.	(-36)
		15 lbs.	(+74)
213.	Protective covering (Silver foil on longerons, exposed metal parts and control system cadmium plated and extra dope, priming and finish)	5 lbs.	(+100)
214.	Landing lights (Grimes ST-250)	8 lbs.	(+12)
215.	Generator		
	(a) Engine-driven - Hodges H-12-V	9 lbs.	(-26)
	(b) Wind-driven - Hodges H-12-V	9 lbs.	(-4)
216.	Air cleaner - Air Maze No. 562	2 lbs.	(-46)
217.	Exhaust collector and speed ring (Engle)	25 lbs.	(-37)
218.	Parking brake (Drawing 712-010 or 712-011)	1 lb.	(-13)
219.	Rear seat brakes (Drawing 712-016)	1 lb.	(+10)
220.	6.00-6 wheels (Shinn) with hydraulic brakes and 4-ply tires	15 lbs.*	(-6)
221.	Emergency exit	7 lbs.	(+22)
222.	Skis	Use actual weight change	
	(a) Washington Aircraft 1625		
	(b) Federal SA-3		
B.	Seaplane: Items 200 thru 203, 208 thru 217, 221.		

Class III:
None

NOTE A. Each aircraft manufactured after 1/7/43, must, prior to original certification, satisfactorily pass:

- (a) An inspection for workmanship, materials and conformity before any covering, metal priming or final finish is applied. All woodwork may be varnished.
- (b) A final inspection of the completed aircraft.
- (c) Check of flight characteristics.

NOTE 1. Eligible also with modified tail surface bracing including brace wire fittings bolted to the fin and stabilizer spars replacing the welded lugs. Rearwin Drawing No. 418 together with bushings, lugs and bolts forwarded to all owners.

NOTE 2. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook:

- (a) Canada
 - Landplane
 - Skiplane - not eligible. However, structure complies with Canadian requirements for ski installation with maximum ski height of 13-5/8 in.
 - Seaplane - maximum standard weight 1615 lbs.
- (b) All other countries except Australia and New Zealand.

NOTE 3. Eligible as DeLuxe model with ball bearings in control system, hinged rear seat and baggage box installation (capacity 30 lbs.) under rear seat replacing aluminum compartment in cabin.

NOTE 4. Weight and balance report including list of equipment included in certificated weight empty and loading instructions when necessary, must be submitted with original inspector's report and each subsequent report showing change in such equipment.