

Maximum weights	Landing 9,000 lbs.; take-off 9,000 lbs.	
No. seats	Maximum 10	
Maximum baggage	Nose compartment: 600 lbs. (+28). When 47 gallon auxiliary fuel tank is installed, combined weight of fuel and baggage must not exceed 600 lbs. (+28). Rear compartment: 500 lbs. (+243). When chemical toilet is installed capacity reduced to 300 lbs. (+243). When 2-place folding seat (Item 402) is installed and occupied, capacity reduced to 200 lbs. (+252). See Item 403 for cabin rack.	
Fuel capacity	202 gallons usable (four tanks in wings, two 76 gallon tanks at +126 and two 25 gallon tanks at +155). See NOTE 1 for System Fuel & Oil.	
Oil capacity	17 gallons (8-1/2 gallon tank in each nacelle at +93). Included propeller feathering oil, 9-1/2 lbs. each tank. See NOTE 1 for System Fuel & Oil.	
Anti-Icer fluid		
capacity:	3 gallons (20 lbs.) (+97)	
Control surface movements	Wing flaps	Down 25 degrees
	Elevator trim tab	Up 20 degrees Down 14 degrees
	Elevator	Up 35 degrees Down 25 degrees
	Aileron trim tab	Up 20 degrees Down 20 degrees
	Aileron	Up 37.5 degrees Down 20 degrees
	Rudder trim tab	Right 30 degrees Left 30 degrees
	Rudder	Right 25 degrees Left 25 degrees
Serial Nos. eligible	AA-1 thru AA-13 and AA-16, AA-17 and AA-18 manufactured prior to 10/1/47. Approval expired as of that date.	
Required equipment	Items 1, 101, 102, 103, 104, 106, 108, 109, 201, 202, 301, 302, 303, 304, 404 and 406	
Specifications Pertinent to All Models		
Certification basis	Type Certificate No. 770, expired. (Although certificated on basis CAR 4a, Transport Category design complies with CAR 4b except for non-compliance with CAR 4b.2141.)	
Export eligibility	Eligible for export to all countries subject to the provisions of MOP 2-4.	

EQUIPMENT:**Propellers and Propeller Accessories (Except De-Icing Equipment)**

1. Hamilton Standard hyd. full feathering
 - (a) Hubs 22D30, blades 6597A-21 or -22.
Diameter 8' 3-1/8" maximum, 8' 1-1/8" minimum. For interchangeable blade models see Prop. Spec. No. 736 (NOTE 6). Pitch settings: High 86 degrees, low 16 degrees, at Station 42. Placard required: "Avoid continuous operation between 1850 and 2000 rpm." 176 lbs. each (+30)
 - (b) Governor, Hamilton Standard 4G8 P30M 7 lbs. each (+38)
 - (c) Feathering pump, Hamilton Standard 66094-1 or 59664-11 (both modified by Beech) 11 lbs. each (+103)

Engine and Engine Accessories - Fuel and Oil Systems

101.	Two 7"x9" oil radiators with air intake system	20 lbs. each (+80)
102.	Two wobble fuel pumps:	4 lbs. each (+86)
	(a) United Aircraft U-550-BE; or	
	(b) United Aircraft U-550-B0; or	
	(c) Romec Pump Co. RAD-1563-1; or	
	(d) Army Type D-11	
	and	
	Two engine-driven fuel pumps:	3 lbs. each (+61)
	(e) Army Type G6; or	
	(f) AN-4100-1; or	
	(g) Romec RD-3890; or	
	(h) Pesco 2P-R400-BRD; or	
	(i) Pesco 2P-R400-BRB; or	
	(j) Pesco 2P-R400-BR; or	
	(k) Chandler Evans 9141; or	
	(l) Chandler Evans 9105; or	
	(m) Chandler Hill H2E3; or	
	(n) Thompson TFD-400-1; or	
	(o) Thompson TFD-400; or	
	(p) Thompson TFD-900-1	
103.	Two carburetor air heaters (weight and arm are for one set of heater muff)	9 lbs. each (+59)
104.	Two oil radiator by-pass valves - S80	1 lb. each (+79)
105.	Exhaust collector gas analyzer - Cambridge No. 10555-1	10 lbs. each (+77)
106.	Two vacuum pumps. All of the following pumps are satisfactory for installation using up to 3 air-driven instruments.	5 lbs. each (+65)
	(a) Army Type B-12; or	
	(b) Eclipse Pioneer 683-3; or	
	(c) Eclipse Pioneer 683-4; or	
	(d) Eclipse Pioneer 549-5; or	
	(e) Pesco 3P-207-JA; or	
	(f) Pesco 3P-207-J; or	
	(g) Aro Equipment 207-JA; or	
	(h) Aro Equipment A-505-DD	
	(satisfactory for installations using up to 5 air-driven instruments); or	
	(i) Romec RD-3880	
107.	Starters - Eclipse E-80 or Army Type J-1	20 lbs. each (+67)
108.	Carburetor air filters	2 lbs. each (+73)
109.	Engine compartment pressure fire extinguisher and system (including detector system) with two Walter Kidde 5 lb. CO2	57 lbs. (+111)
110.	Two oil dilution system	1 lb. each (+79)
111.	47 gallon auxiliary fuel tank in nose compartment. When this item is installed, the combined weight of fuel and baggage shall not exceed 600 lbs. (+28)	45 lbs. (+38)
112.	Engine cooling air outlet baffles. Installation in accordance with Continental Motors Drawing No. 516935	1 lb. (+50)

Landing Gear

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| 201. | 11.00-12 main wheels -- Goodyear L12HBM-wheel assembly No. 530884; brake assembly No. 630886; 11.00-12 8-ply tires and tubes | 95 lbs. each |
| 202. | 14.50 tail wheel (Hayes or Goodrich D-3-180M) with 6-ply S.C. tire and tube | 14 lbs. |
| 203. | Hand operated parking brakes | 3 lbs. |

Electrical Equipment

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| 301. | Two generators - Eclipse Type 1298-1-75 amp | 23 lbs. each (|
| 302. | Two batteries - 24 volt (17 amp hr. min.) | 49 lbs. each (|
| 303. | Wing flap motor
(a) Dumore Type KL-5227; or
(b) Dumore Type KBL-5367; or
(c) Lamb Electric Type 39V; or
(d) Black and Decker or Lamb Electric Type CS No. IS 13820 | 5 lbs. |
| 304. | Landing gear motor - Electric Specialty Type HCA3, modified, or Leland Electric Co. 10559 | 14 lbs. |
| 305. | Two landing lights (Grimes G-3001) | 7 lbs. each (|

Interior Equipment

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| 401. | Chemical toilet. Placard required on lavatory door: "This room not to be occupied during take-off and landing." When this item is installed, rear baggage is reduced to 300 lb. (+243). | 7 lbs. |
| 402. | 2-place folding seat in bulkhead No. 9. When this item is installed, rear baggage allowance must be reduced to 200 lbs. (+252). | 33 lbs. |
| 403. | Pass. cabin baggage rack and tiedown provision installation (maximum baggage allowance 400 lbs.) | 6 lbs. |
| 404. | Windshield wiper - Marquette with 10 in. blades | 11 lbs. |
| 405. | Control system lock | 1 lb. |
| 406. | CAA Approved Airplane Flight Manual (original nomenclature "CAA Approved Airplane Operating Manual") and pertinent revisions applicable to the particular serial No. (The manual may be carried as part of, or bound with the operator's "Approved Operations Manual", but must remain in the airplane and must retain its identity as an individual manual.) | |
| 407. | Retractable entry step per "Installation Procedure and Drawing 62149 and 62150" for kit installation by the Reed Co., Municipal Airport, 3200 Dewey Street, Santa Monica, CA
Flite Step
Power Unit | 9.5 lbs.
5.5 lbs. |

De-Icing Equipment (Propellers, Wing, and Windshield)

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| 501. | Surface de-icer - Goodrich Type 2, | |
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	Model 270		
	(a) Two wing boots (removable)	14 lbs. each	(+109)
	(b) Two stabilizer boots (removable)	5 lbs. each	(+350)
	(c) De-icer installation (fixed portion)	41 lbs.	(+117)
502.	Propeller anti-icer		
	(a) 3 gallon fluid tank, pump and lines	11 lbs.	(+85)
	(b) Two slinger rings - Hamilton Standard 54884C or 54751D or Beech Co. 69206	1 lb. each	(+35)

NOTE 1. Current weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be in each aircraft at the time of original certification and at all times thereafter (except in the case of air carrier operators having an approved weight control system).

The certificated weight empty and corresponding C.G. location must include the system fuel and oil:

Fuel 24 lb. at (+131) (not included in "Fuel Capacity").

Oil 43 lb. at (+70) (includes propeller feathering oil of 9.5 lbs. each tank).

NOTE 2. The following placards must be displayed:

- (a) Instrument panel in full view of the pilots:
 - (1) "This airplane must be operated in compliance with the operating limitations specified in CAA Approved Airplane Operating Manual."
 - (2) "All intentional acrobatic maneuvers prohibited."
 - (3) "Avoid continuous operation between 1,850 and 2,000 rpm" (Tachometer must be marked accordingly).
- (b) Lavatory door: "This room not to be occupied during take-off and landing."

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