





Landing Gear

- 201. 2 Main wheel-brake assemblies, 6.00-6, Type III
  - (a) Goodyear Model LF6HBD 13 lbs. (+17.5)  
Wheel assembly No. 511960-S  
Brake assembly No. 9530839
- 202. (a) 2 Main wheel 4-ply-rating tires, 7.00-6, Type III 22 lbs. (+17.5)  
(with regular tubes)
- 204. Tail wheel assembly - 8" pneumatic
  - (a) Scott Model 3400, steerable, swiveling (Goodrich B-3 - 166AP 8 lbs. (+257)  
wheel, Goodyear tire 8x3.25, Type I, 6-ply nylon)

Electrical Equipment

- 301. Generator, 24V-50 amp., Eclipse 1345-3-A 14 lbs. (-6.5)
- 302. Battery 24 Volt, 11 Amp. Hr. (AN 3154-1A) 34 lbs. (+4.5)
- 303. Two landing lights, G. E. 4591 2 lbs. (+25)

Interior Equipment

- 401. Cabin heater valve assembly (Cessna Dwg. 1013035) 1 lb. (-2)
- 402. Pilot Check List, Cessna Dwg. 1000007  
See NOTE 3 for details.

Miscellaneous (Not listed above)

- 601. Safe Flight stall warning indicator (Cessna Dwg. 12305-129) 1 lb. (+21)
- 602. Two rudder return springs (Cessna Dwg. 1033010) 2 lbs. (+55)
- 603. Elevator down spring (Cessna Dwg. 1060281) 1 lb. (+179)
- 604. Installation shoulder harness (Cessna Dwgs. 1010008 and 0610007) Use actual weight

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 center of gravity location must include unusable fuel of 44.0 lbs. at (+45), (included in total fuel capacity), and undrainable oil of 1.5 lbs. at (-15), (not included in oil capacity).

NOTE 2. The following placards must be displayed in the locations noted:

- A. In front of and in clear view of the pilot:
  - "(1) This airplane must be operated as a utility category airplane in compliance with the operating limitations as stated in the form of placards, markings and manuals (pilot's check list)."
  - "(2) No acrobatic maneuvers including spins approved. See pilot's check list for approved maneuvers."
  - "(3) Maximum flap extended speed 91 knots (105 mph)."
  - "(4) POWER CHART - 2600 RPM  
100/130 Grade Fuel

<u>Take-off Power Limit One Minute</u>						
<u>Continental O-470-2 Engine - McCauley 2A36C1/90M-0 Propeller</u>						
Altitude	S.L.	2,000	4,000	6,000	8,000	10,000
M.C. Power	34.0	33.3	32.5	31.9	31.3	F.T.
T.O. Power	36.0	34.5	33.6	33.0	32.5	---"

- "(5) Solo front seat only."
- B. On Left and Right rear windows:
  - "Do Not Open Window Above 126 knots (145 mph)"
- C. On Left and Right front windows:
  - "Do Not Open Window Above 104 Knots (120 mph)"
- D. In baggage compartment: "Maximum Baggage 100 Pounds"

- E. Adjacent to fuel selector valve:
  - "Usable Fuel Left Tank - 22.0 gallons"
  - "Usable Fuel Right Tank - 22.0 gallons"
  - "With full tanks take-off on left tank"

NOTE 3. The following information shall be provided in the form of placards, markings, or manuals (pilot's check list):

- A. Maximum Weight - 2,650 lbs.
  - C.G. limits
  - (+33.6) to (+42.3) at 2,150 lbs.
  - (+36.0) to (+42.3) at 2,650 lbs.
  - Straight line variation between points.
  - Datum - Forward face of firewall.
- B. The following limited acrobatic maneuvers are approved:

<u>Maneuvers</u>	<u>Safe Entry Speeds</u>
Stalls	Slow Deceleration
Steep Turns	116 knots (134 mph)
Spins	Intentional spins prohibited
Lazy Eights	116 Knots (134 mph)
Chandelle	116 Knots (134 mph)
- C. Maximum Take-Off Flap Setting 20°.
- D. Airspeed and Load Factor Limitations:

Never Exceed Speed	173.5 Knots (200 mph)
Maximum Structural Cruise Speed	134.6 Knots (155 mph)
Maneuvering Speed	116 Knots (134 mph)
Flap Extended Speed	91 Knots (105 mph)
Maximum Load Factors	0° Flaps - +4.4 to -1.8

Flaps Extended - +3.5
- E. Fuel in tanks when gauges register "Empty" cannot be used safely in flight.
- F. With full fuel tanks, take off and operate on left tank for 30 minutes.
- G. Red arc on fuel gauge indicates no take-off.

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