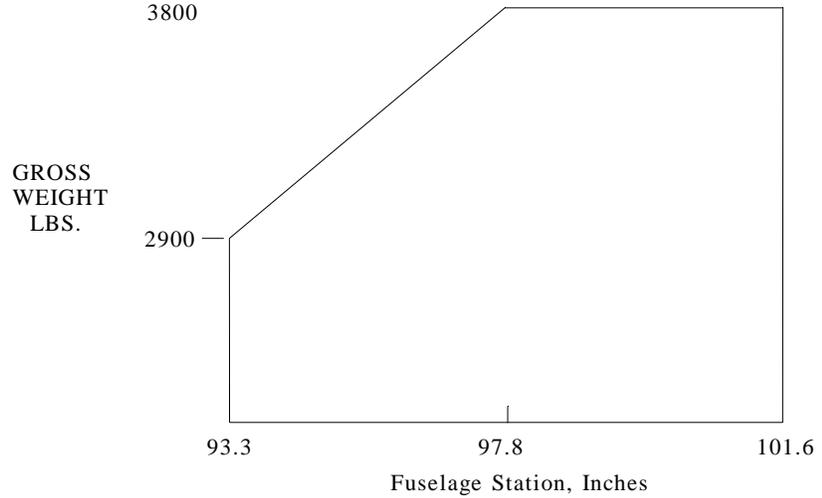


C.G. Range
Landing Gear Extended.

(+97.8 to (+101.6) at 3800 lbs.
(+93.3) to (+101.6) at 2,900 lbs.
Straight line variation between points given.



Empty weight C.G. Range

None

Datum

50.00 inches forward of the forward fuselage bulkhead.

Leveling Means

Bottom of Fuselage WL 23.0

Maximum Weight

3800 lbs.

Number of Seats

2 at (+91.0)
2 at (+128.0)

Maximum Baggage

75 lbs. at (+26.0)
175 lbs. at (+160.0)

Fuel Capacity

118 U.S. gallons (2 wing tanks) at 112.0.
(114. U.S. gallons usable) See NOTE 1 for unusable fuel.

Oil Capacity

8 quarts per engine (6 quarts usable, each engine) See NOTE 1.

Control Surface Movements
(Nominal from Neutral)

Ailerons	Up $25^{\circ} \pm 2^{\circ}$	Down $15^{\circ} \pm 2^{\circ}$
Elevator	Up $17^{\circ} \pm 1^{\circ}$	Down $16^{\circ} \pm 1^{\circ}$
Elevator Trim Tab (elevator neutral) trailing edge	Up $4^{\circ} \pm 1^{\circ}$	Down $30^{\circ} + 2^{\circ} - 3^{\circ}$
Flaps		Down $30^{\circ} \pm 2^{\circ}$
Rudder (left & right)	$40^{\circ} \pm 2^{\circ}$	
Rudder Trim Tab (left & right) (rudder neutral)	$15^{\circ} \pm 1.5^{\circ}$	
Nose wheel travel, (controllable left and right)	$18^{\circ} \pm 2^{\circ}$	

Serial Numbers Eligible

0001 through 0115

Certification Basis

For serial numbers 0001 through 0115, inclusive:

FAR 23 effective February 1, 1965, and amendments 23-1 through 23-14; and FAR 36 effective December 1, 1969, and amendments 36-1 through 36-4.

Type Certificate No. A17SO issued September 22, 1977. Date of Application for Type Certificate August 9, 1974.

Findings of equivalent levels of safety were made for the emergency exit window (FAR 23.807), and the airspeed indicator (FAR 23.1545(a)).

The Direction Générale de l'Aviation Civile (DGAC) originally type certificated this aircraft under its type certificate Number TC 190. The FAA validated this product under U.S.

Type Certificate Number A17SO. Effective September 28, 2003, the European Aviation Safety Agency (EASA) began oversight of this product on behalf of France.

Production Basis

Production in the United States ceased with serial number 0115.

Equipment

The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. In addition, Airplane Flight Manual GA-7, dated September 22, 1977 for S/N 1 through 40 is required; Pilot's Operating Handbook and Airplane Flight Manual dated April 10, 1978, revised October 15, 1978 for S/N 41 and subsequent is required.

Import requirements

The FAA can issue a U.S. airworthiness certificate based on an NAA Export Certificate of Airworthiness (Export C of A) signed by a representative of the Direction Générale de l'Aviation Civile (DGAC) on behalf of the European Community. The Export C of A should contain the following statement: 'The aircraft covered by this certificate has been examined, tested, and found to comply with U.S. airworthiness regulations 14 CFR Part 23 approved under U.S. Type Certificate No. A17SO and to be in a condition for safe operation.'

Service Information

Each of the documents listed below must state that it is approved by the European Aviation Safety Agency (EASA) or – for approvals made before September 28, 2003 – by the Direction Générale de l'Aviation Civile (DGAC).

- Service bulletins,
- Structural repair manuals,
- Vendor manuals,
- Aircraft flight manuals, and
- Overhaul and maintenance manuals.

The FAA accepts such documents and considers them FAA-approved unless one of the following conditions exists:

- The documents change the limitations, performance, or procedures of the FAA approved manuals; or
- The documents make an acoustical or emissions changes to this product's U.S. type certificate as defined in 14 CFR § 21.93.

The FAA uses the post type validation procedures to approve these documents. The FAA may delegate on case-by-case to EASA to approve on behalf of the FAA for the U.S. type certificate. If this is the case it will be noted on the document.

NOTE 1: Current weight and balance report including the list of equipment included in certificated empty weight and loading instructions, must be provided for each aircraft at the time of airworthiness certification.

The certificated empty weight and corresponding center-of-gravity locations must include undrainable oil

and unusable fuel as noted below:

Fuel (both tanks)	24 lb. at 112.0
Oil (both tanks)	7.5 lb. at 64.4

NOTE 2: All placards required in the approval airplane flight manual must be installed in the appropriate locations.

NOTE 3: Service Life Limit

Information with respect to service life limited parts on this model is contained in section "Service Life Limited Components" of the Model GA-7 Service Manual. Service life limits appearing in this manual may not be changed without FAA engineering approval. See GA-7 service manual for inspection requirements. Service Life Limited parts must be retired in accordance with the following schedule:

<u>Component</u>	<u>Part Number</u>	<u>Service Life (hours)</u>
Inboard Spar Assembly	7W10201-1	47,674

NOTE 4: By virtue of licensing agreement, product support and parts availability reside with Fletchair Inc., 9000 Randolph St., Houston, TX, 77061, (713)-649-8700 or (800)-329-4647.

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