

The United States of America
Department of Transportation
Federal Aviation Administration

AIRCRAFT

Type Certificate
IMPORT
Number A00001LA

This certificate issued to GA200 (Pty) Ltd.

Certifies that the type design for the following product with the operating limitations and conditions therefore as specified in the Federal Aviation Regulations and the Type Certificate Data Sheet, meets the airworthiness requirements of Part 21.29 of the Federal Aviation Regulations.*

***21.25 (Restricted Category) using amendments 1 through 36 of part 23.**

Models: GA200, GA200C

This certificate, and the Type Certificate Data Sheet which is a part hereof, shall remain in effect until suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: **June 17, 1994**

Date reissued to new holder: **October 27, 2011**

Date of issuance: **October 15, 1997**

Model GA200C approved December 9, 1999

By direction of the Administrator.

(Signature) Earl Lawrence

(Title) **Earl Lawrence**
Manager, Small Airplane Directorate

This certificate may be transferred if endorsed as provided on the reverse hereof.

Any alteration of this certificate and/or the Type Certificate Data Sheet is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

Leveling Means	Longitudinal: Level along top longerons at the fuselage cockpit horizontal. Lateral: Level across top longerons at the fuselage cockpit.
Maximum Weight	Take-off 2900 lbs. (1315 kg.) Landing 2900 lbs. (1315 kg.)
Hopper	Capacity 1200 lbs. (544 kg.) at +42.8 inches (+1088 mm).
No. of seats	Two Pilot Arm: +84.0 inches (+2134 mm). Second Occupant Arm: +85.2 inches (+2163 mm).
Fuel Capacity	Main wing tanks 2 (1 tank each wing) Total each tank 27.7 US Gallons (105 litres) at +51.3 inches (+1303 mm) Useable each tank 26.4 US Gallons (100 litres) at +51.2 inches (+1300 mm) Unusable each tank 1.3 US Gallons (5 litres) at +54.0 inches (+1376 mm) Collector tank (Header tank) Total capacity is Unusable fuel. Total 3.2 US Gallons (12 litres) at +11.9 inches (+302 mm) See Note 1
Oil Capacity	Total capacity 12 US quarts (11.4 litres) at -21.3 inches (-541 mm) Useable 9.3 US quarts (8.8 litres) at -21.3 inches (-541 mm) See note 1
Control Surface Movements	Aileron Up $24^{\circ} \pm 1^{\circ}$ Down $24^{\circ} \pm 1^{\circ}$ Elevator Up $27^{\circ} \pm 1^{\circ}$ Down $20^{\circ} \pm 1^{\circ}$ Rudder L & R $22^{\circ} \pm 1^{\circ}$ Wing flaps Retracted $0^{\circ} \pm 1^{\circ}$ Take-off $15^{\circ} \pm 1^{\circ}$ Landing $38^{\circ} \pm 1^{\circ}$

All measurements refer to hinge line rotation.

Serial Numbers Eligible 17F through 999F.

9. GA200C (Restricted Category) Approved December 9, 1999

Engine Avco Lycoming IO-540-K1A5
Type Certificate: 1E4

Fuel 100LL or 100/130 aviation gasoline.

Engine Limits 2700 r.p.m. and 300 HP for all operations.

Propeller and Propeller Limits	Hartzell HC-C2YR-1BF/F8475R metal constant speed Type Certificate: P920 Not over 84 inches (2134 mm) diameter Not under 78 inches (1981 mm) diameter No further reduction permitted Pitch settings at 30 in. sta.: High: 29° ± 1° Low: 12° ± 0.2°	
Airspeed Limits (IAS)	Never Exceed	V _{ne} 144 kts
	Max structural cruise	V _{no} 115 kts
	Maneuvering	V _a 115 kts
	Max flaps extended	V _{fe} 97 kts
Center of Gravity (C.G.) Range	Forward Limit: +38.0 inches (+965 mm) aft of datum at 1900 lbs. (862 kg.) or less. +39.0 inches (+991 mm) aft of datum at 3360 lbs. (1524 kg.) Variation is linear between 1900 lbs. (862 kg) and 3360 lbs. (1524 kg.) Aft Limit: +43.2 inches (+1097 mm) aft of datum at 3360 lbs. (1524 kg) +44.0 inches (+1118 mm) aft of datum at 2900 lbs. (1315 kg) or less Variation is linear between 2900 lbs. (1315 kg) and 3360 lbs. (1524 kg.)	
Empty Weight C. G. Range	None.	
Datum	Fuselage firewall frame jacking points at fuselage station 0 (stated arms are positive aft; negative forward).	
Leveling Means	Longitudinal: Level along top longerons at the fuselage cockpit horizontal. Lateral: Level across top longerons at the fuselage cockpit.	
Maximum Weight	Take-off	3360 lbs. (1524 kg.)
	Landing	3192 lbs. (1448 kg.)
Hopper	Capacity	1200 lbs. (544 kg.) at +42.8 inches (+1088 mm).
No. of seats	Two Pilot Arm: +84.0 inches (+2134 mm) Second Occupant Arm: +85.2 inches (+2163 mm)	
Fuel Capacity	Main wing tanks	2 (1 tank each wing)
	Total each tank	27.75 US Gallons (105 litres) at +51.3 inches (+1303 mm)
	Useable each tank	26.4 US Gallons (100 litres) at +51.2 inches (+1300 mm)
	Unusable each tank	1.3 US Gallons (5 litres) at +54.0 inches (+1376 mm)
	Collector tank	Total capacity (2.4 US Gallons) is Unusable fuel @ +62.2 inches (1588 mm)
	See Note 1 for data on weight and balance	
Oil Capacity	Total capacity	12 US quarts (11.4 litres) at -21.3 inches (-541 mm)
	Useable	9.3 US quarts (8.8 litres) at -21.3 inches (-541 mm)
	See Note 1 for data on weight and balance	

Control Surface Movements	Aileron	Up	$24^{\circ} \pm 1^{\circ}$
		Down	$24^{\circ} \pm 1^{\circ}$
	Elevator	Up	$27^{\circ} \pm 1^{\circ}$
		Down	$20^{\circ} \pm 1^{\circ}$
	Rudder	L & R	$22^{\circ} \pm 1^{\circ}$
	Wing flaps	Retracted	$0^{\circ} \pm 1^{\circ}$
Take-off		$15^{\circ} \pm 1^{\circ}$	
Landing		$38^{\circ} \pm 1^{\circ}$	

All measurements refer to hinge line rotation.

Serial Numbers Eligible CF23F and up

Import Requirements

A United States airworthiness certificate may be issued on the basis of an Australian Export Certificate of Airworthiness signed by a representative of the Civil Aviation Safety Authority (CASA) containing the following statement:

GA200: "The airplane covered by this certificate has been examined, tested and found to comply with the Master Drawing List GA200-01-02-01 Issue 1 and General Specifications B14-00-31 at issue G or later CASA approved revisions approved under U.S. Type Certificate No. A00001LA and to be in a condition for safe operation."

GA200C: "The airplane covered by this certificate has been examined, tested and found to comply with the Master Drawing List GA200-01-02-06 Issue 1 and General Specifications B14-00-31 at issue B or later CASA approved revisions approved under U.S. Type Certificate No. A00001LA and to be in a condition for safe operation."

The U.S. airworthiness certification basis for this airplane type certificated under FAR 21.29 and exported by the country of manufacture is FAR 21.185(c).

Certification Basis

FAR 21.25 (a) (1), FAR 21.25 (b) (1), FAR 21.25 (b)(2) and FAR 23, dated December 18, 1964, with amendments 1 through 36 "Airworthiness Standards for Normal Category Airplanes", except Section 23.562 (see letter dated April 5, 1995, from Manager, LAACO) for the special purpose of:

- (1) Agricultural operations under FAR 21.25 (b)(1).

Note: In accordance with FAR 36.1(a)(2), compliance with the noise requirements was not shown. Therefore, airplane certificated under this Type Certificate are only eligible for agricultural operations excepted by FAR 36.1(a)(2) and defined under FAR 137.3.

- (2) Forest and wildlife conservation under FAR 21.25(b)(2).

Note: In accordance with FAR 36.1(a)(2), compliance with the noise requirements was not shown. Therefore, airplane certificated under this Type Certificate are only eligible for dispensing fire fighting materials excepted by FAR 36.1(a)(2) and defined under FAR 137.3.

Noise Control Act of 1972, which has been recodified into USC Title 49, Section 44715(a)(3).

See Note 6 for a finding of an equivalent level of safety to the requirements of FAR 23.1337(b)(1).

TC A00001LA issued on October 15, 1997.

Date of application for the Type Certificate (Restricted Category for agricultural use and dispensing fire retardant only): June 17, 1994.

