

DEPARTMENT OF COMMERCE
 CIVIL AERONAUTICS ADMINISTRATION
 WASHINGTON, D. C.

A-766-2
 GLOBE
 GC-1A
 GC-1B

September 25, 1946

AIRCRAFT SPECIFICATION

An aircraft complying with the terms of this specification and conforming with approved data on file with the Civil Aeronautics Administration will be issued an airworthiness certificate when, in the opinion of the Administrator, the aircraft is in condition for safe operation.

Manufacturer Globe Aircraft Corporation
 Fort Worth, Texas

I - Model GC-1A 2 PCLM Approved May 7, 1946

Engine	Continental C-85-12			
Fuel	73 min. octane aviation gasoline			
Engine limits	For all operations, 2575 rpm (85 hp)			
Airspeed limits	Level flight or climb	140 mph True Ind.		
	Glide or dive	185 mph True Ind.		
	Flaps extended	90 mph True Ind.		
	C.G. range (+31.4)(22.1% MAC) to (+35.5)(29.1% MAC) with L.G. extended. (Moment change due to retraction of gear +157 in. lbs.)			
Maximum weight	1570 lbs.			
No. seats	2 (+42.5)			
Maximum baggage	50 lbs. (+60.5)			
Fuel capacity	27.8 gals. (+47)			
Oil capacity	4.5 qts. (-14.5)			
Control surface movements	Flaps		Down 39°	
	Elevators	Up 22°	Down 20°	
	Elevator trim tab	Up 23°	Down 17°	
	Ailerons	Up 19.5°	Down 15°	
	Rudder	Right 24°	Left 26°	
Serial Nos. eligible	2 to 1000, inclusive			
Required equipment	Items 1, 101, 105, 201, 202, 301, 302 and 303			

II - Model GC-1B 2 PCLM Approved September 20, 1946

Engine	Continental C-125-1			
Fuel	80 min. octane aviation gasoline			
Engine limits	For all operations, 2550 rpm (125 hp)			
Airspeed limits	Level flight or climb	140 mph True Ind.		
	Glide or dive	185 mph True Ind.		
	Flaps extended	90 mph True Ind.		
	C.G. range (+29.6)(19.0% MAC) to (+34.7)(27.7% MAC) with L.G. extended. (Moment change due to retraction of gear +157 in. lbs.)			
Maximum weight	1710 lbs.			
No. seats	2 (+42.5)			
Maximum baggage	100 lbs. (+60.5)			
Fuel capacity	27.8 gals. (+47)			
Oil capacity	2 gals. (-20.3)			
Control surface movements	Flaps		Down 30°	
	Elevators	Up 20°	Down 18.5°	
	Elevator trim tab	Up 7°	Down 22°	
	Ailerons	Up 19.5°	Down 16°	
	Rudder	Right 24°	Down 26°	
Serial Nos. eligible	1001 and up			
Required equipment	Items 3, 107, 110, 111, 201, 202, 301, 303 and 305			