

FEDERAL AVIATION AGENCY

2A6 Revision 1 CLARK 1000  August 24, 1960
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AIRCRAFT SPECIFICATION NO. 2A6

Manufacturer Clark Aircraft, Inc.  
 1704 East Crockett Street  
 Marshall, Texas

I - Model 1000, 1 POLB (Restricted Category Only), Approved November 18, 1957

Engine	Continental W670-6N, 470 lbs. (-52) or W670-6A, 465 lbs. (-52) (See item 101 for optional engine)		
Fuel	80 minimum octane aviation gasoline		
Engine limits	For all operations, 2075 rpm (220 hp)		
Airspeed limits	Never exceed	117 mph (102 knots) True Ind.	
	Maneuvering	90 mph ( 78 knots) True Ind.	
C.G. range	(+5.9) to (+9.7) at 2704 lbs. (+8.1) to (+9.7) at 3000 lbs. Straight line variation between points given.		
Empty weight C.G. range	None		
Datum	Leading edge lower wing		
Leveling means	Top of fuselage center-line just aft of firewall		
Maximum weight	3000 lbs.		
No. of seats	1 (+63)		
Maximum cargo capacity	1000 lbs. (+9)		
Fuel capacity	46 gals. (-3) (45 gal. usable) (One tank in upper wing center section)		
Oil capacity	4.4 gals. (-33)		
Control surface movements	Elevator	Up 24 degrees	Down 18 degrees
	Elevator tab	Up 22 degrees	Down 22 degrees
	Rudder	Right 30 degrees	Left 30 degrees
	Aileron	Up 24 degrees	Down 23 degrees
Serial Nos. eligible	1000-2 and up		
Required equipment	In addition to pertinent required basic equipment specified in CAR 8, the following items of equipment must be installed: 1(a), 201(a), 202(a), 401.		
Certification basis	Type Certificate No. 2A6 (CAR 8, 10-11-50, and CAM 8, App. B (Rev. to 1-20-56) in accordance with CAM 8.10-1(c).) This certification does not cover installation of spray or dust dispensing equipment.		
Production basis	None. Prior to original certification a FAA representative must perform a detailed inspection for workmanship, materials, and conformity with the approved technical data, and a check of flight characteristics.		
Export eligibility	Eligible for export to all countries subject to the provisions of MOP 2-4.		

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Equipment:

Propellers and Propeller Accessories

1. Propeller
  - (a) McCauley hub D-1093 and blades SS-138-6 or hub 41D5926 and blades SS-135-6 82 lbs. (-66)  
Static rpm at maximum permissible throttle setting:  
Not over 1900, not under 1850. No additional tolerance permitted.  
Diameter: Not over 102 in., not under 100 in.  
When installed on Continental W-670 engine, this propeller must be indexed in the zero degree position (blades in line with the crankthrow) and the tachometer should be placarded as follows:  
"Avoid continuous operation between 1500 and 1650 rpm."
  - (b) Curtiss 55501-5 (Eligible with the Lycoming R-680-B4 engines only) 57 lbs. (-66)  
Static rpm at max. permissible throttle setting:  
Not over 1900, not under 1800.  
Diameter: Not over 102 in., not under 99 in.
  - (c) Hamilton Standard hub 5404 and blades 11C1 (Eligible with the Lycoming R-680-B4 engines only) 87 lbs. (-66)  
Static rpm at max. permissible throttle setting:  
Not over 1975, not under 1875.  
Diameter: Not over 102 in., not under 100 in.

Engine and Engine Accessories

101. Engine (a) Lycoming R-680-B4 series  
Fuel 80 octane minimum aviation gasoline  
Engine limits For all operations, 2100 rpm (225 hp.)

Landing Gear

201. 2 Main Wheel-brake Assemblies, 7.50-10 37 lbs. (-17)  
(a) Hayes Model No. 751-A  
Wheel Assembly No. G-14-301  
Brake Assembly No. G-2-210-1
202. (a) 2 Main wheel 6 ply rating tires, 8.50-10, with regular tubes 56 lbs. (-17)
204. Tail Wheel Assembly, 10-inch 7 lbs. (+195)  
(a) Firestone Model 1A-105-5311219-0 (free swivel with lock)

Interior Equipment

401. Seat belt, Army type, B-6, B-10, B-11 and B-12
403. Pilot's seat, Boeing 75 Dwg. 75-3720 8 lbs. (+63)

NOTE 1. Current weight and balance report including list of equipment included in the certificated empty weight, 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).

NOTE 2. The following placards must be displayed:

(a) In clear view of the pilot:

"This airplane must be operated in accordance with the following limitations:

Maximum speed 117 MPH

Maximum gross weight 3000 pounds

No acrobatic maneuvers including spins authorized

C.G. range: (+5.9) to (+9.6) at 2704 pounds

(+8.1) to (+9.6) at 3000 pounds

Avoid continuous operation between 1500 and 1650 RPM"

(b) On hopper compartment:

"Maximum hopper capacity 1000 pounds"

(c) Adjacent to fuel valve control:

"Usable fuel 45 gals. 80 octane"

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