

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A4WE
Revision 6
Aero Commander
(IMCO) (CallAir)
A-9A

August 1, 1974

TYPE CERTIFICATE DATA SHEET A4WE

This data sheet which is a part of Type Certificate No. A4WE prescribes conditions and limitations under which the product for which the Type Certificate was issued meets the Airworthiness Requirements of the Civil Air Regulations.

Type Certificate Holder: Aircraft Parts & Development Corp.
L.A.F.B. Bldg. 162
Laredo, Texas 78040

I - Model A-9A (Normal Category) Approved 25 March 1964

Engine	Lycoming O-540-B2B5 with carburetor setting No. IO-4404
Fuel	80/87 minimum grade aviation gasoline
Engine limits	2575 rpm (235 hp) for all operations
Propeller and	<ol style="list-style-type: none">1. McCauley 1P235-PFA fixed pitch metal. Static rpm at maximum permissible throttle setting: Not under 2250, not over 2400 Diameter: Not over 84 in., not under 82 in.2. McCauley 2D34CT/84HF two positions, pitch setting at 30 in. station: High 17°, low 14° Diameter: Not over 84 in., not under 82 in.3. McCauley 1A200-DFA fixed pitch metal static rpm at maximum permissible throttle setting. Not under 2300, not over 2400 Diameter: Not over 90 in., not under 84 in.
Airspeed limits	Never exceed 135 mph (117 knots) Maximum structural cruising 107 mph (93 knots) Maneuvering 107 mph (93 knots)
C.G. range	(+16.0) to (+19.5)
Empty wt. C.G. range	None
Datum	Leading edge of wing at fuselage
Leveling means	Bottom of first rib, outboard of fuselage
Maximum weight	3000 lbs.
Number of seats	1 (+64.0)

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Maximum baggage	1000 lbs. (+17.0)		
Fuel capacity	40 gal. total - 2 tanks, 20 gal. each (+26). See NOTE 1 for data on unusable fuel.		
Oil capacity	3 gal. (-35.0) 2 gal. usable. See NOTE 1 for data on unusable oil.		
Control surface movements	Elevator	Up 16°	Down 25°
	Elevator trim tab	Up 25°	Down 33°
	Aileron	Up 21°	Down 21°
	Rudder	Right 21°	Left 21°
Manufacturer's serial Nos.	1061 through 1125 only (eligible with flaps, droop ailerons and wing leading edge change when modified per IMCO Report 62 revised 12/4/64 and/or Aero Commander Report 550, dated 6/14/68).		

II - Model A-9A (Normal Category) with flaps, droop ailerons and wing leading edge change. Approved 8 February 1965

Engine	Lycoming O-540-B2B5 with carburetor setting No. IO-4404
Fuel	80/87 minimum grade aviation gasoline
Engine limits	2575 rpm (235 hp) for all operations
Propeller and propeller limits	<ol style="list-style-type: none"> McCauley 1P235-PFA fixed pitch metal. Static rpm at maximum permissible throttle setting: Not under 2250, not over 2400 Diameter: Not over 84 in., not under 82 in. McCauley 2D34CT/84HF two positions, pitch setting at 30 in. station: High 17°, low 14° Diameter: Not over 84 in., not under 82 in. McCauley 1A200 DFA fixed pitch metal static rpm at maximum permissible throttle setting: Not under 2300, not over 2400 Diameter: Not over 90 in., not under 84 in.
Airspeed limits	<p>Never exceed 135 mph (117 knots)</p> <p>Maximum structural cruising 107 mph (93 knots)</p> <p>Maneuvering 107 mph (93 knots)</p>
C.G. range	(+18.0) to (+19.5)
Empty wt. C.G. range	None
Datum	Leading edge of wing at fuselage
Leveling means	Bottom of first rib, outboard of fuselage
Maximum weight	3000 lbs.
Number of seats	1 (+64.0)
Maximum baggage	1000 lbs. (+17.0)
Oil capacity	3 gal. (-35.0) 2 gal. usable. See NOTE 1 for data on unusable oil.
Fuel capacity	40 gal. total - 2 tanks, 20 gal. each (+26). See NOTE 1 for data on unusable fuel.

Control surface movements	Elevator	Up 22°	Down 25°
	Elevator trim tab	Up 25°	Down 33°
	Aileron (zero flap)	Up 20°	Down 15°
	Aileron droop		Down 10 1/2°
	Flaps		Down 24°
	Rudder	Right 21°	Left 21°

Manufacturer's serial Nos. 1126 through 1615 also 1048

Certification basis CAR 3 effective 5/15/56, with amendments 3-1 through 3-7. Type Certificate A4WE issued 25 March 1964. Date of Application for Type Certificate 14 November 1962

Production basis None.

Export eligibility Aircraft will be eligible for the issuance of export certificate of airworthiness subject to the policies and procedures specified in the Export Handbook.

Equipment FAA Approved Airplane Flight Manual dated 25 March 1964 for A9A serial numbers 1061 through 1125 which have not been modified in accordance with IMCO Report 62 revised 12/4/64 or Aero Commander Report 550 dated 6/14/68.

Airplane Flight Manual dated 8 February 1965 for A9A's serial numbers 1048 and 1126 through 1615; also, serial numbers 1061 through 1125 which have been modified in accordance with one of the above reports.

NOTE 1. Current weight and balance report including list of equipment included in the certificated empty weight, and loading instructions, when necessary, must be provided for each aircraft at the time of original certification. The certificated empty weight and corresponding center of gravity must include undrainable system oil of 5.2 lbs. at (-35.0). Unusable fuel is 3 gal. per tank at (+26).

NOTE 2. The placards listed in the FAA Approved Airplane Flight Manual must be displayed in front of and in clear view of the pilot.

On Hopper "1000 lbs. maximum".

END