

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, the following item of equipment is required:
 FAA approved Flight Manual dated August 29, 1968, or subsequent revisions thereto.

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

NOTE 2. The following placards, in accordance with Laister Sailplane Products Drawing No. 1298, must be installed in full view of the pilot:

- (a) On the instrument panel:
"NEVER EXCEED SPEED 135 MPH." FASTEN SAFETY BELT." "NO SMOKING"
- (b) Adjacent to the landing gear operating handle:
"DOWN - LANDING GEAR - UP"
- (c) On landing gear door handle:
"L.G. DOOR"
- (d) On tow release handle:
"RELEASE - PULL"
- (e) Adjacent to dive brake handle:
"OPEN DIVE BRAKE CLOSED"

NOTE 3. All external portions of the fuselage exposed to sunlight must be painted white, except for a minimum amount of light shaded markings.

II - Model LP-46 (High Performance), Approved October 22, 1971.

Type	Same as Model LP-49 except for shorter wingspan, fixed landing gear, canopy and other minor differences.			
Airspeed limits (EAS)	Vne - Glide or Dive	125 mph	(109 knots)	
	Vmax - To Open Dive Brakes	85 mph	(74 knots)	
	Vmax - Dive Brakes Open	85 mph	(74 knots)	
	Vmax - To close Dive Brakes	85 mph	(74 knots)	
	Vta - Aircraft tow	75 mph	(65 knots)	
	Vp - Maneuvering	85 mph	(74 knots)	
C.G. range	(+78.5) to (+83.0) Aft of nose at all weights.			
Empty weight C.G. range	None			
Datum	Nose of fuselage. (81.5 inches fwd. of wing main spar centerline)			
MAC	38.0 inches			
Leveling means	Level top of fuselage 80 inches Forward of Aft fact of rear fuselage bulkhead.			
Maximum weight	700 lbs.			
Minimum Crew	One.			
No. of seats	One. (+49.0)			
Baggage	None.			
Control surface movements	Ailerons	Up	$20^{\circ} \pm 1\ 1/2^{\circ}$	Down $12^{\circ} \pm 1^{\circ}$
	Rudder	Left	$27^{\circ} \pm 1\ 1/2^{\circ}$	Right $27^{\circ} \pm 1\ 1/2^{\circ}$
	Elevator	Up	$14^{\circ} \pm 1\ 1/2^{\circ}$	Down $23^{\circ} \pm 1\ 1/2^{\circ}$
	Dive Brake	Open	$82^{\circ} \pm 5^{\circ}$	Closed Flush
Serial Nos. eligible	46, 46-1, 46-2 and subsequent			

Certification Basis	FAR 23 effective February 1, 1965, with amendments 1 and 2; FAR 21.23; and Basic Glider Criteria Handbook, 1962.
Production Basis	Production Certificate No. 417, dated 16 February 1971.
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, the following item of equipment is required: (a) FAA approved Flight Manual dated 22 October 1971, or subsequent revisions thereto.

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

NOTE 2. The following placards, in accordance with Laister Sailplane Products Drawing No. 1298, must be installed in full view of the pilot:

- (a) On the instrument panel:
"NEVER EXCEED SPEED 125 MPH." "FASTEN SAFETY BELT." "NO SMOKING"
- (b) On tow release handle: "RELEASE - PULL."
- (c) Adjacent to dive brake handle: "OPEN DIVE BRAKE CLOSED."

NOTE 3. All external portions of the fuselage exposed to sunlight must be painted white, except for a minimum amount of light shaded markings.

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