

FEDERAL AVIATION AGENCY

A3IN JODEL D-140-B February 3, 1964
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TYPE CERTIFICATE DATA SHEET NO. A3IN

This data sheet which is a part of type certificate No. A3IN 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 Avion Jodel
 Route de Seurre
 Beaune (Cote d'Or)
 France

I - Model D-140-B, 4 or 5 PCLM. (Normal Category) Approved July 1, 1963

Engine	Lycoming O-360-A2A				
Fuel	91/96 Octane Minimum grade aviation gasoline				
Engine limits	For all operations 2700 rpm (180 hp)				
Propeller and propeller limits	McCauley, 1A200-FA, Fixed Pitch Metal Static rpm at maximum permissible throttle setting: Not over 2250, not under 2100. No additional tolerances permitted. Diameter: Maximum 80 in., minimum allowable for repairs 78 1/2 in. (No further reduction permitted)				
Airspeed limits	Never exceed		178 mph	(155 knots)	
	Maximum structural cruising		159 mph	(138 knots)	
	Maneuvering		121 mph	(105 knots)	
	Maximum speed with flaps extended		97 mph	(84 knots)	
C.G. range	+14" to +24"				
Empty weight C.G. range	None				
Datum	Leading edge of wing				
Leveling means	Upper longeron of fuselage				
Maximum weight	2650 lbs.				
No. of seats	4 or 5 (2 at +18") (2 or 3 at +50") See note 3 for rear seat occupancy.				
Maximum baggage	Forward compartment	130 lbs	(-21)		
	Rear compartment	200 lbs	(+51)		
Fuel capacity	Two tanks: 24 gallons usable		(-22")		
		33 gallons usable	(+52")		
Oil capacity	8 quarts		(-45")		
Control surface movements	Aileron	Up 12°	Down 12°		Tolerance permitted on all surface travels
	Elevator	Up 25°	Down 20°		
	Elev. Trim tab	Up 20°	Down 25°		
	Flaps	Take Off 20°	Landing 50°		
	Rudder	Right 25°	Left 25°		+3°, -0°
Serial Nos. eligible	The S.G.A.C. Certificate of Airworthiness for Export endorsed as noted below under "Certification basis" must be submitted for each individual airplane for which application is made.				
Certification basis	CAR 10. Type Certificate No. A3IN issued July 1, 1963. Date of Application for Type Certificate February 1, 1962. Each aircraft and any replacement part manufactured in France must be identified as imported.				

A U.S. Airworthiness Certificate may be issued on the basis of a Certificate of Airworthiness for Export signed by a representative of the French Secrariat General a l'Aviation Civile (SGAC) containing the following statement: "The airplane covered by this certificate has been examined and found to comply with U.S. Civil Air Regulations Part 3, dated May 15, 1956 including amendments 3-1 through 3-6 and conforms to T.C. A3IN".

Equipment The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. The following additional item must be installed: Pre-stall warning indicator, Safe Flight Instrument Corporation No. 164.

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. (a) The following placards must be displayed in front and in clear view of pilots:
"THIS AIRPLANE MUST BE OPERATED IN NORMAL CATEGORY IN COMPLIANCE WITH THE OPERATING LIMITATIONS STATED IN THE FORM OF PLACARDS, MARKINGS AND MANUALS, NO ACROBATIC MANEUVERS, INCLUDING SPINS, APPROVED".

(b) The following placard must be displayed in the rear seat:
"MAXIMUM WEIGHT ON REAR SEATS 460 LBS."

(c) The following placard must be displayed in the forward luggage compartment:
"MAXIMUM WEIGHT 130 LBS.".

(d) The following placard must be displayed in the rear luggage compartment:
"MAXIMUM WEIGHT 200 LBS.
Refer to weight and balance"

NOTE 3. Rear seat may be occupied by three persons provided:

(a) The total weight on the rear seats is under 460 lbs.

(b) The rear seat is equipped with three separate safety belts.

(c) Aircraft weight and C.G. position is within limits.

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