

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

A3EA  
JAMIESON  
J-2-L1b

August 15, 1963

TYPE CERTIFICATE DATA SHEET NO. A3EA

This data sheet which is a part of type certificate No. A3EA 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                      The Jamieson Corporation  
P.O. Box 2482  
Deland, Florida

I. - Model J-2-L1b, 3 PCLM (Normal Category), Approved July 3, 1963

Engine    Lycoming O-235-C1 (Carburetor setting 10-3103)

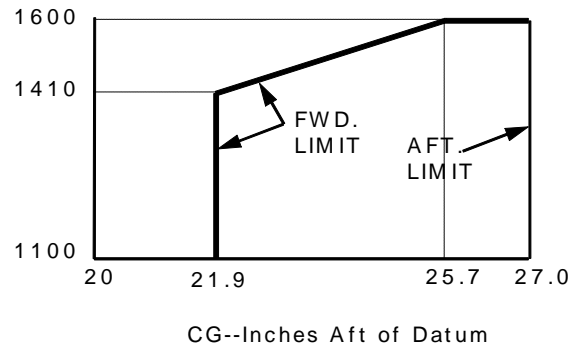
Fuel    80/87 minimum grade aviation gasoline

Engine Limits                                  Takeoff ( 1 minute) 2800 rpm        (115 hp)  
Maximum continuous    2600 rpm        (108 hp)

Propeller and Propeller Limits          Sensenich two-position manually controlled, CS-2FM6-1  
Hub with PC-276A6-2 Blades  
Maximum diameter 74 inches  
Minimum diameter        72.5 inches  
Pitch settings at 27.75-inch station:  
Low 9.6°, High 16.2°

<u>Airspeed Limits</u>			<u>MPH</u>	<u>KNOTS</u>
CAS)	Vne	Never exceed	173	150
	Vno	Maximum structural cruising	154	134
	Vp	Maneuvering	110	96
	Vfe	Flaps extended	99	86
	Vlo	Landing gear operating	130	113
	Vle	Landing gear extended	130	113

C. G. Range  
(landing gear extended)



Moment due to retraction of landing gear +710 in.-lb. (CG moves aft)

Empty Weight C.G. Range                      None

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<u>Datum</u>	Front face of firewall		
<u>Leveling Means</u>	Underside of fuselage, edge of nose-wheel well		
<u>Maximum Weight</u>	1600 lb.		
<u>Number of Seats</u>	3 (2 at +24, 1 at +54)		
<u>Maximum Baggage</u>	Glove compartment	20 lb.	(+6)
	Rear compartment	120 lb.	(+63)
<u>Fuel Capacity</u>	22 gallons (two 10.5-gallon wing tanks at +24 and a 1 gallon header tank at +24) (Usable 21.3 gallons) See NOTE 1 for data on unusable fuel.		
<u>Oil Capacity</u>	1.5 gallons (-19)		
Control Surface Movements	Wing flaps	Down	12°
	Aileron	Up	19°
		Down	15°
	Elevator Tab	Up	10°
		Down	30°
	Elevator	Up	19°
		Down	8°
	Rudder	Left	15°
		Right	17°
<u>Serial Numbers Eligible</u>	2 and up		
<u>Certification Basis</u>	CAR 3 as amended to May 15, 1956 and Amendments 3-1 through 3-5. Type Certificate No. A3EA issued July 3, 1963. Date of Application for Type Certificate October 15, 1960.		
<u>Production Basis</u>	None. Prior to original certification of each aircraft, an FAA representative must perform a detailed inspection for workmanship, materials, and conformity with the approved technical data, and a check of flight characteristics.		
<u>Equipment</u>	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification.		

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

The certificated empty weight and corresponding center-of-gravity location must include unusable fuel of 4 lb. at (+24) with standard wing tanks.

NOTE 2. The following placards must be displayed in front of and in clear view of the pilot or at appropriate locations:

A. "THIS AIRPLANE IS CERTIFICATED ONLY FOR DAY-VFR OPERATION. NO ACROBATIC MANEUVERS, INCLUDING SPINS, APPROVED. THIS AIRPLANE MUST BE OPERATED AS A NORMAL CATEGORY AIRPLANE IN COMPLIANCE WITH THE OPERATING LIMITATIONS STATED IN THE FORM OF PLACARDS AND MARKINGS."

B. "LIMITING AIRSPEEDS (CAS)

NEVER EXCEED	173 M.P.H.
MAXIMUM STRUCTURAL CRUISING	154 M.P.H.
MANEUVERING	110 M.P.H.
FLAPS EXTENDED	99 M.P.H.
LANDING GEAR EXTENDED	130 M.P.H.

C.

LOADING SCHEDULE
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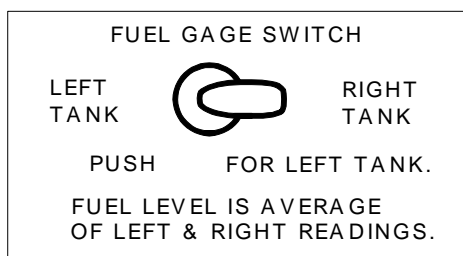
FUEL (GAL.)	STANDARD 170 LB OCCUPANTS		MAXIMUM BAGGAGE		
	FRONT SEATS	REAR SEATS	GLOVE COMPT	UNDER REAR SEAT	AFT COMPARTMENT
22	1	---	20	←-----120-----→	
22	2	---	20	←-----120-----→	
22	2				

Values to be entered to be determined from actual weight and balance of each airplane.

D. At propeller control:  
"PROPELLER: PUSH TO INCREASE R.P.M."

E. On fuel tank caps:  
"FUEL 880/87 OCTANE, 10.7 GAL."

F. At fuel gage selector switch:



G. At emergency fuel pump:  
"EMERGENCY FUEL PUMP: PULL & RELEASE RAPIDLY"

H. On flap handle:  
"FLAPS, PULL TO EXTEND"

I. On flap control quadrant cover:  
"FLAP POSITION: LANDING, 1ST NOTCH 12°"

J. Near handle for emergency landing gear extension:  
"EMERGENCY LANDING GEAR EXTENSION: MOVE DOWN & UP ABOUT 150 TIMES"

K. On baggage compartment:  
"COMPARTMENT CAPACITY 120 POUNDS"

L. On glove compartment:  
"COMPARTMENT 20 LBS."

....END....