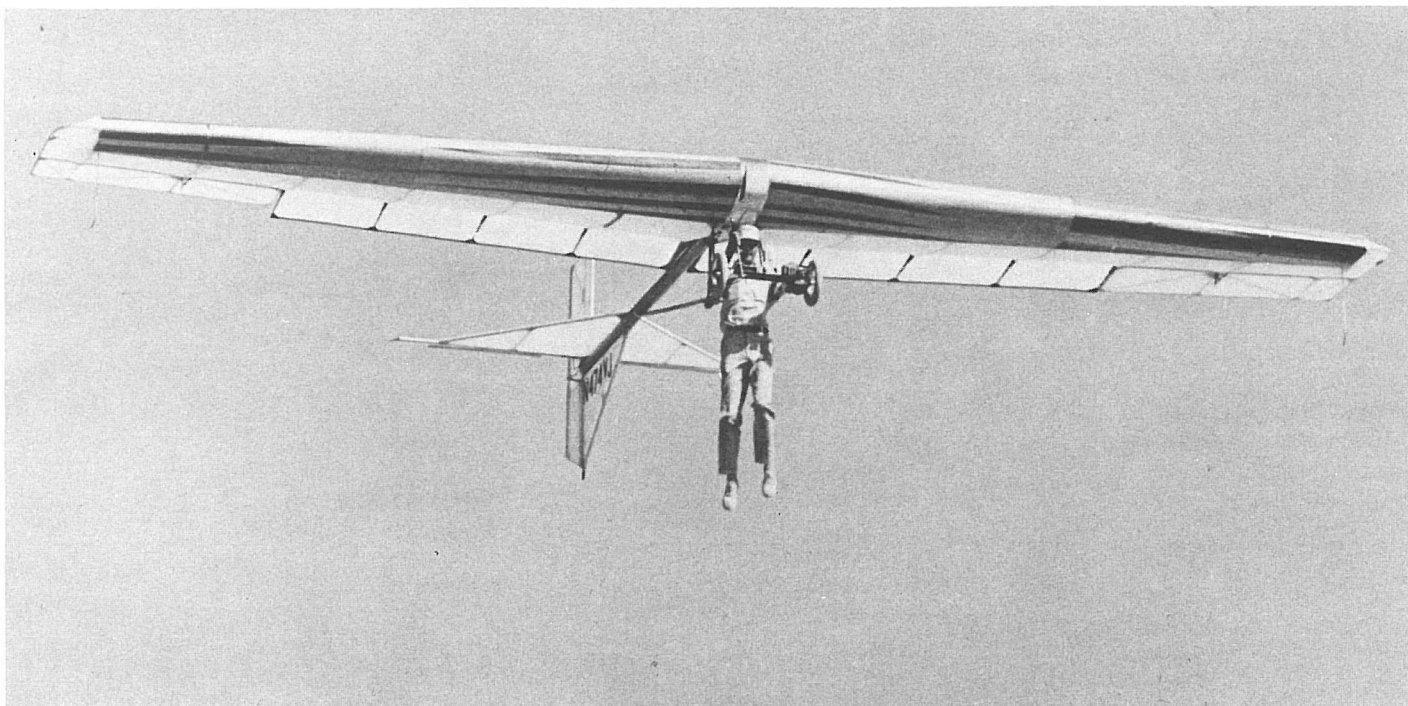


VJ-23 SWINGWING



Specifications

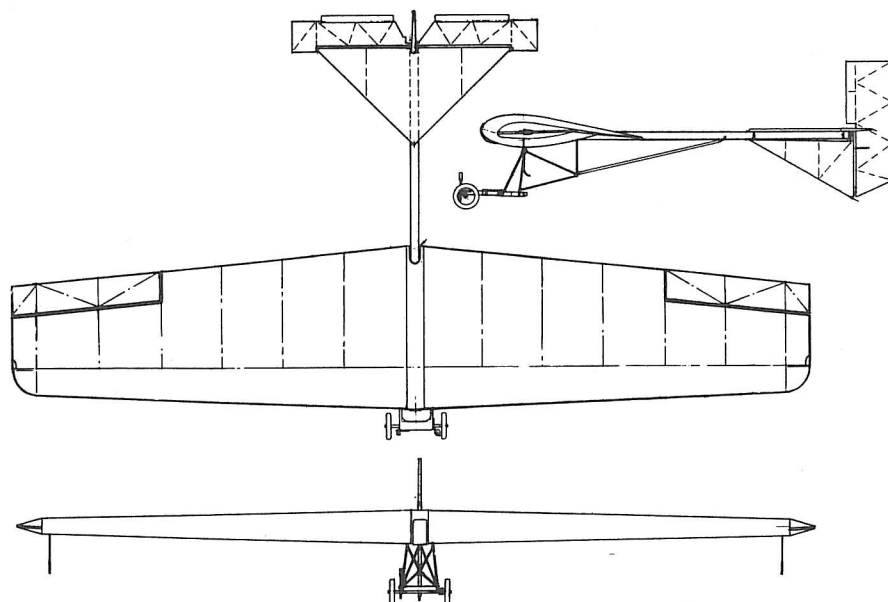
Model Sizes

Leading edge - ft.	—
Chord length - ft.	4.7
Wing span - ft.	32.6
Wing area - sq. ft.	179
Aspect ratio	6.9
Sweep angle - degrees	2
Sail billow - degrees	—
Weight - lbs.	100
Pilot weight - lbs.	160-200
Wing loading - lbs./sq. ft.	1.44
Set-up time - min.	30

Estimated Flight Performance

Take-off speed - mph.	13
Stall speed - mph.	15
Maximum speed - mph.	25
Best glide (L/D) ratio	9:1
Speed for best L/D - mph.	18
Minimum sink rate - ft./min.	176

0,80
1185,-



General Description

The VJ-23 was the first high performance, fully controllable, ultralight monoplane, hang glider. Designed by Volmer Jensen and Ira Culver and first built in 1971, its cantilevered wing is largely built from spruce and plywood with a fabric covering. It can be launched in 2 steps and in flight can make very tight turns at low altitudes without losing a great deal of altitude. It is controlled by a "joy stick". The VJ-23 can be licensed by the FAA and requires little experience to fly.

Materials and Construction

Airframe.

Made from 6061-T6 1 1/4" x .035 aluminum tubing. The 15 ft. tall boom is made from 6061-T6 4" x .035 tubing. Wood truss ribs.

Rigging.

All aircraft quality steel controls include ailerons, elevators and rudder.

Hardware.

All bolts, nuts, turnbuckles and thimbles are of aircraft quality.

Sail.

Wing covering is aircraft fabric, doped to assure it is not porous.

Pilot Support System.

A permanent seat is built into the hanger structure and designed to insure pilot safety in case of a belly landing.

Special Features

The VJ-23 features padded arm rests and wheels to roll the glider back up hill. The wing is built in two sections, assembled with 3 bolts. Complete assembly takes about 30 minutes. Comes with an air speed indicator. Available in kit form only.