

# VJ-24 SUNFUN



## Specifications

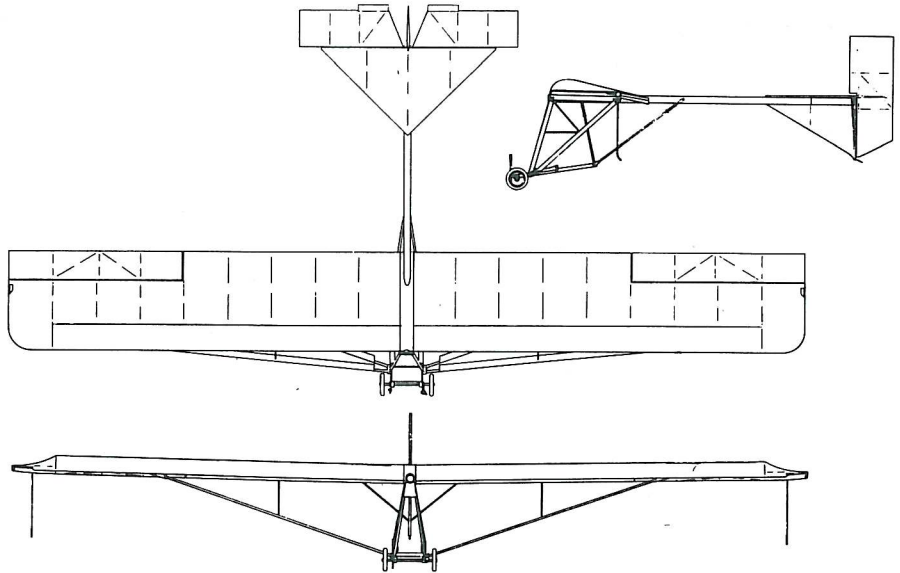
### Model Sizes

Leading edge - ft.	—
Chord length - ft.	4.5
Wing span - ft.	36.5
Wing area - sq. ft.	163
Aspect ratio	6.75 <i>8.17</i>
Sweep angle - degrees	0
Sail billow - degrees	—
Weight - lbs.	110
Pilot weight - lbs.	160-200
Wing loading - lbs./sq. ft.	1.6
Set-up time - min.	10

### Estimated Flight Performance

Take-off speed - mph.	13
Stall speed - mph.	15
Maximum speed - mph.	30
Best glide (L/D) ratio	9.5:1
Speed for best L/D - mph.	17
Minimum sink rate - ft./min.	158

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## General Description

The concept behind the VJ-24 was to use metal for construction for simplification and for builders who prefer to work with metal rather than wood. Although the rectangular-shaped wings are not as esthetically appealing as the VJ-23 Swingwing, which has a nicely tapered and cantilevered wing, they both have the same performance because the higher aspect ratio of the VJ-24 overcomes the drag of the struts. Like the VJ-23, it has a "joy stick" control lever, can be licensed by the FAA and requires little experience to fly.

## Materials and Construction

### Airframe.

Made almost entirely from aluminum tubing which is pop riveted.

### Rigging.

All aircraft quality stainless steel. Controls include ailerons, elevators and rudder.

### Hardware.

All aircraft quality hardware.

### 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-24 features padded arm rests and wheels to roll the glider back up hill. Use of pip pins and thumb screws allows it to be assembled in 10 minutes without tools. Comes with an air speed indicator. Available in kit form only. An engine kit is also available.

H 1038 Manufactured by D.S.K. Aircraft Corporation