

THE J-14 TWO PLACE

by Volmer Jensen



Volmer Jensen and his J-14. Volmer is director Pre-Flight Training and Glider Construction Program of the California Aero Glider Company.

The J-14 twoplace is a side-by-side utility trainer.

This glider is not designed for high performance but for stable characteristics suitable for safe training. A high lift airfoil combined with a light wing loading makes this a safe aircraft for student instruction.

This trainer has a wing span of 45 feet with strut braced semi-cantilever wings. The gliding angle is 15 to 1 with a sinking speed of 3 feet per second. It flies efficiently at 35 miles per hour and can be winch, auto, or airplane towed for its design maximum speed is 72 miles per hour.

The construction is almost entirely of wood, plywood being used only on gusset plates and in leading edge of wings. This affords the greatest economy in construction. With all this it has a safety factor of 8.

The reason for choosing a side-by-side twoplace glider is that for this type of training it is the most logical design. The instructor is at all times in easy communication with the student. The visibility is excellent for both student and instructor.

Specifications

Wing span	44' 16"
Chord	5'
Airfoil	Gottingen 549
Wing area	225 sq. ft.
Wing loading	3/lbs./sq. ft.
Aspect ratio	9
Length	23.5 ft.
Weight empty	360 lbs.
Weight loaded	740 lbs.
Pilot and passenger	380 lbs.
Flying speed	35 m.p.h.
Landing speed	30 m.p.h.
Sinking speed	3 ft./sec.
Gliding angle	15 to 1
Maximum towing speed	72 m.p.h.

(Continued on Back Cover)

Left to right: R. J. Parody, Executive Vice President; Volmer Jensen, Designer; A. V. Morchetti, pres.

