



Valley Engineering, LLC

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Presenting The Valley Engineering

Back Yard Flyer

(Cause that's all the space you'll need to fly this plane!)

The Oshkosh '05 Sensation!!



photo by Monty Graves: Taken at the Smith Ranch, Doolittle, MO

The aircraft above was the prototype Back Yard Flyer demonstrated at Oshkosh '05. It made a huge impression. After Oshkosh, we paid a visit to the Smith Ranch near Doolittle, Missouri where Gene and Larry demonstrated this incredible machine to us.

Gene made 6 maximum effort takeoffs and we measured the distance on each one from where the main wheels started rolling and to where they left the ground. It was about 92 degrees with light and variable winds. The average takeoff length was 66 feet in just a little over TWO seconds. They sold the prototype aircraft above on the spot at Oshkosh.

The whole plane comes apart in about 10 minutes. Who needs a hangar? Just trailer it to the airport, put it together in 15 minutes and fly. The wings come off in about 5 minutes each by pulling 5 pins and unbolting the aileron/flaps control rods.

It's a decent cross-country machine too with cruise speeds in the 90's but slow flight's and lands at less than 30 mph.

The production model will be a two-seat, side-by-side aircraft. It will be come to the buyer complete, ready-to-fly or trailer away for about \$25,000. This will include prop, Valley Engineering PSRU, Valley engineering 2276 Premium Engine package, instruments, ballistic recovery parachute, Aircraft and all.

We Repeat, This will be a complete flying aircraft with NOTHING else required.

Streaming Video Clip



Low Speed
(28.8 Dial-up)



Medium Speed
(56k or ISDN)



High Speed
(Cable or DSL)

The Back Yard Flyer comes apart easy for trailering or storing. Just four pins removed the flaperon. One pin removes the wing and the only thing you have to unbolt is the flaperon control rod. Five minutes per wing... MAX!!

All the images below are thumbnails. Just click on the thumbnail for a much larger image.



Grant Smith, Larry Smith's son tries out the cockpit.

Here are the first shots of the production Back Yard Flyer. As stated, it will be a fully-enclosed cockpit seating two passengers in a side-by-side arrangement. With its wide stance gear and incredible performance, this is going to be a GREAT short and rough field aircraft. Come back often for more updates and photos.



Side view.



Ready for covering.



With the wings off, it is easy to park in the corner of a hanger or in a custom trailer.



Taking it apart will be a short operation.



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