

## AOS UAV Description

Design is high wing, twin boom, rear engine with pusher propeller, inverted V-tail. Construction is wood, composite and foam utilizing standard high-torque RC servos for control. The engine is a Honda GX-50cc 4-stroke running on gasoline.



<b>Flight Control:</b>	<b>R/C</b>
<b>Empty Weight:</b>	<b>35 lbs.</b>
<b>Gross Weight:</b>	<b>57 lbs.</b>
<b>Wing Span:</b>	<b>10'-1"</b>
<b>Wing Area:</b>	<b>2424 in<sup>2</sup></b>
<b>Overall Length:</b>	<b>11'-2"</b>
<b>Overall Height:</b>	<b>28.5 in</b>
<b>*Cruise Speed:</b>	<b>55-65 knots</b>
<b>*Stall Speed:</b>	<b>20 knots</b>
<b>*Endurance:</b>	<b>90 minutes</b>
<b>*Take Off:</b>	<b>300 ft</b>

**\* At Gross Weight at Sea Level**