The Aerobot®

By Moller International
What is an Aerobot®?

- An unmanned aerial vehicle capable of vertical take off and landing.
- Models produced have used both electric and fuel-powered fans.
- Models can be either remotely piloted or flown using available COTS packages for remote/autonomous control.
- Models with various performance characteristics for range, payload and speed
MI Experience

Naval Research Lab – Developed multi-duct Aerobot®

Harry Diamond Labs – Developed single-duct, fuel-powered Aerobot®


US Navy R&D – Developed and demonstrated a single-duct Aerobot® for sensor deployment

CALTRANS – Bridge inspection Aerobot built
Our largest Aerobot
The 200 XR

Payload up to 750 lbs
8 ducted fans
Fuel powered
On-board stability and control system
Redundant flight control system
Speeds up to 100 mph
A20M-350 model test flown
Our most popular design

Payloads between 10 to 25 lbs

Single duct - 2 fans counter-rotating

On board stability system

Redundant flight control system

Gasoline or methanol powered

A15-15 model test flown
## US Air Force Aerobots

Delivered to Wright-Patterson AFB

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Designation</td>
<td>A24-50</td>
</tr>
<tr>
<td>Fan Diameter</td>
<td>24 inches</td>
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<tr>
<td>Power</td>
<td>60 hp</td>
</tr>
<tr>
<td>Duct-Engine Wt.</td>
<td>125 lbs</td>
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<tr>
<td>Max Thrust</td>
<td>225 lbs</td>
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<tr>
<td>Net Payload</td>
<td>50 lbs</td>
</tr>
<tr>
<td>Max Hover Time</td>
<td>1.0 hrs</td>
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<tr>
<td>Max Projected Speed</td>
<td>60 mph</td>
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<tr>
<td>Max Projected Range</td>
<td>60 miles</td>
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</tbody>
</table>
CALTRANS Aerobot
Delivered to California Department of Transportation (CALTRANS)

- Designation: A15-5
- Fan Diameter: 15 inches
- Power: 5 hp
- Duct-Engine Wt.: 20 lbs
- Max Thrust: 40 lbs
- Net Payload: 10 lbs
- Max Hover Time: Indefinite
- Max Projected Speed: N/A
- Max Projected Range: 125 ft
# Navy Aerobot

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Designation</td>
<td>A11-2</td>
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<tr>
<td>Fan Diameter</td>
<td>4 – 11 inch ducts</td>
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<tr>
<td>Power</td>
<td>2 hp</td>
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<tr>
<td>Duct-Engine Wt.</td>
<td>15 lbs</td>
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<tr>
<td>Max Thrust</td>
<td>25 lbs</td>
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<tr>
<td>Net Payload</td>
<td>5 lbs</td>
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<tr>
<td>Max Hover Time</td>
<td>Indefinite</td>
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<tr>
<td>Max Projected Speed</td>
<td>N/A</td>
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<tr>
<td>Max Projected Range</td>
<td>75 ft</td>
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AM-11-2 models delivered to Naval Research Lab (NRL)
Transitioning Aerobots®

- Higher speed and greater range than our VTOL Aerobots®
- "Transitioning" Aerobots are VTOL and able to transform to high-speed forward flight.
- Can be either gas or electrically powered
- Range of up to 600 miles
- Payload up to 750 lbs
- Speed up to 350 mph
- ATM-24-250 Wind tunnel tested
More Info?
Moller International
1222 Research Park Drive
Davis, California 95618 USA

Aerobots @ www.moller.com

1+ (530) 756-5086

AT24-50
Speeds to 350 mph
Payload to 200 lbs
Wind tunnel tested