



# VIKING 100

- 6-8 Hour Endurance
- 20 Pound Payload Capacity
- 500W On-Board Alternator

L-3 BAI Aerosystems' Viking 100 air vehicle offers users an affordable, compact tactical UAV capable of performing a wide range of remote sensing, precision dispensing, or other aerial robotic applications requiring reliable performance, low operating cost, and ease of use.

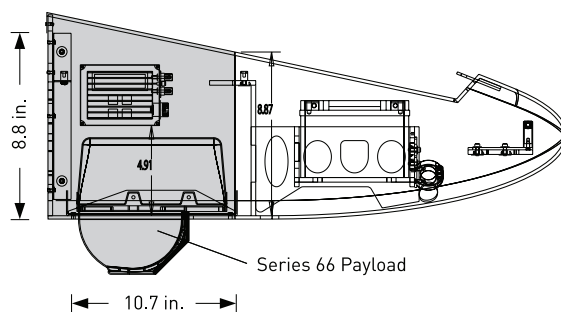
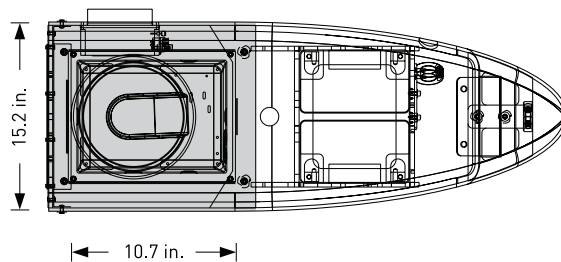
The Viking 100 is constructed of all composite materials and features a proven high-wing design with excellent ground clearance that allows operation from runways and semi-improved surfaces. Electrically actuated main gear disc brakes quickly decelerate the air vehicle after touchdown, allowing short-field landings. A trailer-mounted pneumatic launcher is available to enable launching in tactical conditions.

Viking 100's 150cc 2-stroke engine burns a conventional gas/oil mixture. Fuel for the 6-8 hour flight is contained in the air vehicle's fuselage tank. Air vehicle and payload are powered by a 500W alternator with rechargeable onboard batteries.

The Viking 100 payload bay is almost 1500 cubic inches and can accommodate various military and commercial payloads controlled by the ground control station data link. The modular construction allows for easy assembly and system enhancements as required.

Factory support includes training, payload integration, onsite flight services and full maintenance.

- Set and Ready To Fly in Under One Hour
- 50-75 Kilometer Range
- All Composite Construction



For more information, please contact L-3 BAI Aerosystems.



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Viking 100 air vehicles controlled by the Generation IV Ground Control Station

The BAI Series 66 EO or IR payload configurations are lightweight and available for the Viking 100

BAI offers support equipment such as starters, fuel transfer pumps and more



The power plant is ideally located below the top of the fuselage in a cowling, reducing drag and improving engine performance.

### Optional Viking 100 Launcher



- Designed to launch a Viking 100 air vehicle in a limited or confined area
- Ideal for shipboard launch applications

### FEATURES

- Fully Autonomous
- GPS Navigation
- Small System Footprint
- 20 lb Payload Capacity
- UHF, L-Band, S-Band, C-Band Data Link
- All Composite Construction

### SPECIFICATIONS

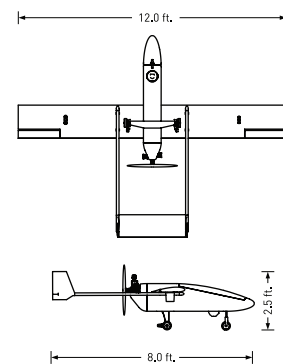
- GTOW (fuel+max payload) \_\_\_\_\_ 150 lbs
- Empty Weight \_\_\_\_\_ 105 lbs
- Wing Span \_\_\_\_\_ 12 ft
- Length \_\_\_\_\_ 8 ft
- Power Plant - Two Stroke Twin Engine \_\_\_\_\_ 16 HP

### PERFORMANCE DATA

- Endurance \_\_\_\_\_ 6-8 Hours
- Cruise Speed \_\_\_\_\_ 50 kts
- Dash Speed \_\_\_\_\_ 65 kts
- Launch \_\_\_\_\_ Conventional or Pneumatic Launcher
- Recovery \_\_\_\_\_ Conventional or Optional Parafoil

### Electrical System

On-board 500W alternator with rechargeable batteries that provide power for the air vehicle and payload.



For more information on the Viking 100 air vehicle, please contact L-3 BAI Aerosystems at: [bai.sales@L-3Com.com](mailto:bai.sales@L-3Com.com) or through our contact information listed below.

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