

Unmanned Systems

VIKING 100

UNMANNED AIRCRAFT SYSTEM SOLUTIONS

- 10-14 Hour Endurance
- 20+ Pound Payload Capacity
- On-Board Alternator



L-3 Unmanned Systems' Viking 100 air vehicle offers users an affordable, compact tactical UAS 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.

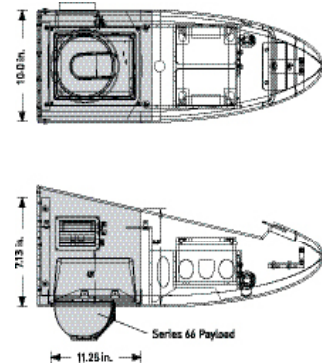
Viking 100's 16HP 2-stroke engine burns a conventional gas/oil mixture for 10-12 hour flights. An optional multi-

fuel engine increases endurance to 12-14 hours. Endurance may vary based on payload. Fuel for the flight is contained in the air vehicle's fuselage tank.

Air vehicle and payload are powered by an alternator with rechargeable onboard batteries.

The Viking 100 system is easily deployed; typically a crew of three is required for set-up, operation and maintenance. The Viking 100 can be set-up and ready to fly in under one hour, and breaks down in minutes into a few easy to handle components which quickly pack in the supplied hard-shell transportation and storage container.

Factory support, including training, payload integration and onsite flight services are available separately as required.



Dimensional Drawing of the Viking 100 Payload Bay



**UNMANNED SOLUTIONS:
L-3 UNMANNED SYSTEMS.**

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VIKING 100 SPECIFICATIONS

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GTOW (fuel+max payload):	150 lbs
Empty Weight:	95 lbs
Wing Span:	15 ft
Length:	8 ft
Power Plant - Two-Stroke Twin Engine:	16 HP

PERFORMANCE DATA

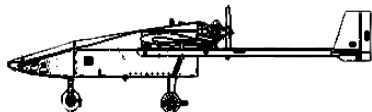
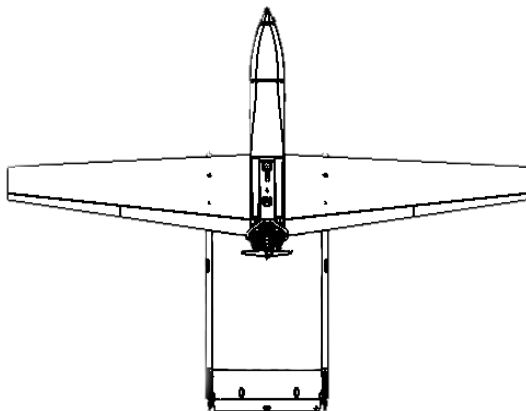
Endurance:	10-14 Hours
Cruise Speed:	55 kts
Dash Speed:	65 kts
Launch:	Conventional or Pneumatic Launcher
Recovery:	Conventional

ELECTRICAL SYSTEM

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

DIMENSIONS

Wing Span:	17.5 feet
Length:	13.5 feet
Height:	4.0 feet



L-3. Headquartered in New York City, L-3 Communications is a prime contractor in aircraft modernization and maintenance, C3ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, subsystems and systems.



The Viking 100 UAS is controlled with L-3 Unmanned Systems' Generation IV Ground Control Station.

Optional Viking 100 Launcher

Designed to launch a Viking 100 air vehicle in a limited or confined area such as shipboard launch applications.



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