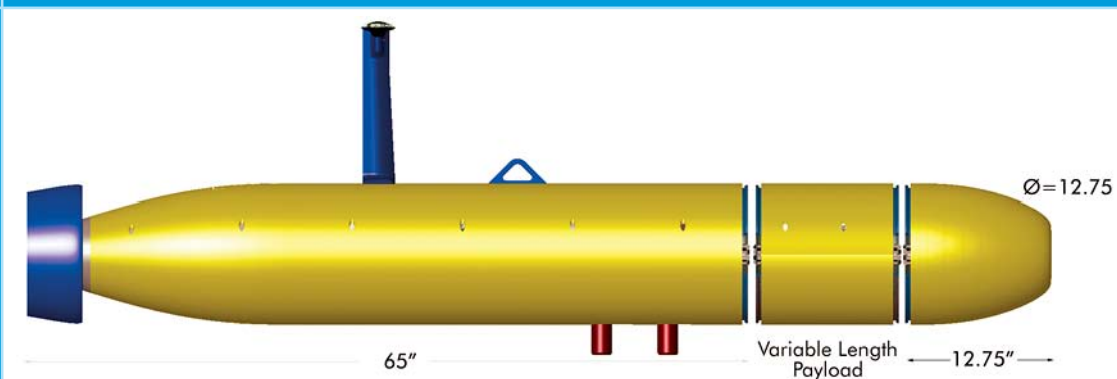




Bluefin - 12

Autonomous Underwater Vehicle
Flexible Payload in a Compact Package



Bluefin Robotics Corporation
237 Putnam Avenue
Cambridge MA 02139 U.S.A.
Phone 1-(617)-715-7000
Fax 1-(617)-498-0067
info@bluefinrobotics.com
www.bluefinrobotics.com

Capabilities that transcend size

The Bluefin -12 offers the user a platform with payload flexibility and capability unmatched in its class.

Intelligent packaging combined with cutting edge technology result in a large available payload volume and high performance in a package that conforms to the Lightweight Torpedo infrastructure.

Focus on the user

Bluefin -12's low weight and inherently robust construction enables launch and recovery from a wide range of platforms, from inflatable craft to large ships of opportunity.

This is a vehicle that is designed to withstand the rigors of rough weather operation without specialized topside gear.

Topside tools for vehicle configuration, mission planning, data analysis, data management, and battery charging are intuitive and powerful, making expert operation of the vehicle possible with a few days of training.

Endurance is key

A generous 4.5kWh of energy capacity give operators wide latitude in trading off payload power, speed and range. Batteries can be charged in situ, or swapped in minutes for minimum down time.

Payload centric

Bluefin -12 is tailored to support a wide range of payloads in the forward 48" of the vehicle.

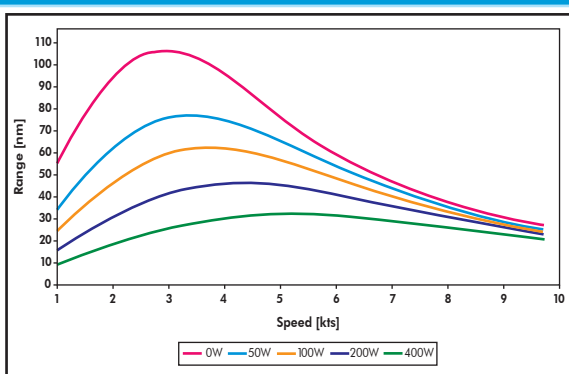
The flooded architecture, acoustically transparent shell material, and unimpeded forward view offers great flexibility in payload integration, with minimum engineering effort.

The modular, compartmentalized design is further enhanced by the electrical architecture, which supports two separate, independent payloads with a standardized interface.

Low self-noise, outstanding dynamic control, and world class magnetic and inertial navigation solutions further ensures superior payload data quality.

Bluefin

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Length

65" (Core section) + up to 48" payload

Diameter

12.75"

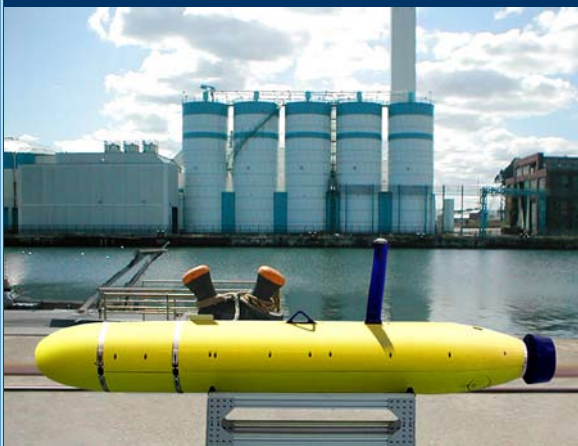
Weight in air

180 lbs (Core section)

Top Speed

>5 kts

Range as a function of speed and payload power.



Payload

Modular free-flooded sections provide up to 100 liters payload space.

Payload Power

Up to 240W of switched power at a nominal voltage of 30V

Batteries

3 x 1.5 kWh

Depth Rating

Standard 200 meters (650 feet)
Deeper versions are possible

Navigation

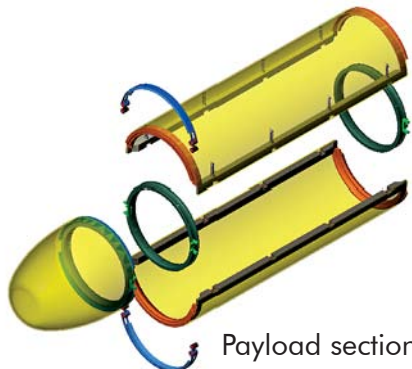
IMU/Compass/GPS/DVL (SVS aided)
Optional INS

DVL

300 or 600 KHz DVL

Design

Modular, free-flooded design with easily swappable/removable battery packs



Payload section.

All information, including illustrations, is believed to be reliable.

Users, however, should independently evaluate the suitability of each product for their application. Bluefin Robotics Corporation makes no warranties as to the accuracy or the completeness of the information, and disclaims any liability regarding its use.