



**VESSEL SPECIFICATIONS**

<b>LENGTH</b>	20 feet (6m)
<b>BEAM</b>	8 feet (2.4m)
<b>OPERATING DRAFT</b>	4.2 feet (1.3m)
<b>TRANSPORT HEIGHT</b>	8.5 feet (2.6m) masts folded
<b>TRANSPORT WEIGHT</b>	10,000 lbs (4,535 kg)
<b>POWER</b>	Twin 40kW Hybrid Gensets
<b>PROPULSION</b>	Twin 30kW Azimuthing Propeller Drives
<b>BOLLARD PULL</b>	1 ton
<b>PAYLOAD</b>	1,000 pounds
<b>MAX SPEED</b>	9 knots
<b>FUEL CAPACITY</b>	500 gallons
<b>RANGE</b>	15 - 21 days, depending on operations
<b>SURVIVABILITY</b>	Sea State 7 Fully Self-Righting

**V1 SURVEYOR / AUV TENDER**

The Sea Machines V1 Surveyor/AUV Tender is an extension of our robust V1 Autonomous Work Boat (AWB). The vehicle is designed to actively position AUVs through continuous USBL updates, allowing the vehicle to run extended surveys without loss of navigational accuracy. The V1 acts in collaboration with the AUV, following and providing overwatch of the vehicle during its mission. This frees up the mother ship to position an additional AUV or tend to other tasks; such as launch and recovery and on deck turnaround. The Sea Machine can also collect AUV data using an acoustic modem and then store, process or transfer to personnel aboard the mother ship.

The V1 AWB utilizes an 80 kw power plant with an electrically driven dual azimuthing thruster propulsion system. This provides a quiet, powerful yet efficient platform with exceptional maneuverability. Endurance is 15 - 21 days continuous, dependent upon sea conditions. An optional hybrid power system is offered to further maximize efficiency and range. Offshore survivability is paramount and the vehicle is capable of operating in up to Sea State 7 and is fully self-righting.

**Navigation**

- Survey Grade INS/GPS
- AIS Class B Transponder
- 2 kw Marine Radar
- EO / IR Cameras

**Communications**

- VHF
- Cellular Modem
- Iridium
- Industrial 802.11x
- Maritime Broadband Radio
- USBL / LBL / Acoustic Modem



