

MILITARY VESSEL

6 METER S3-High Performance (S3-HP)



Length	Beam	Draft	Weight	Speed	Range	Endurance	Other Specs
20 ft. (6.1m)	6 ft. (1.82m)	1-2 ft. (up to 0.61m)	3,000 lbs. (1,360.8 kg)	45+ knots	800-1,000 NM	5 days @ 4-5 knots	Fuel Capacity: 200 gal. (757.08 L)

OVERVIEW

The S3-High Performance (S3-HP) is an unmanned (remote or autonomous) Small Unmanned Surface Vehicle (sUSV) designed for high endurance and agility. It features a robust aluminum hull, a heavy-duty Indmar gasoline engine with water-jet propulsion, and a Seakeeper 1 gyro-stabilizer for enhanced stability in rough conditions. Built on the proven S3 design, the S3-HP inherits its modular open-system architecture, plug-and-play command and control (C2), and advanced ISR capabilities. Optimized for missions requiring high-speed ingress and egress, it delivers exceptional maneuverability. The S3-HP complies with NATO Standardization Agreements (STANAG) 4586 and the Joint Architecture for Unmanned Systems (JAUS) protocols and is available as a kit or fully assembled.

MACHINERY

- **Engine:** Indmar Engine [310 HP]
- **Propulsion:** Hill Jet [Hi280]

SENSOR / ELECTRONICS

- **Radar:** SIMRAD [Part# HALO 24]
- **NAV:** Vector Navigation [Part# VN-300]
- **AIS:** Sitex [DA-2]
- **GPS:** TE Connectivity [ANT-SH2-SMA]
- **Comms:** Starlink BLOS
- **Camera:** FLIR Low-light, HD-Night Vision [FLIR M364C]
- **Antenna:** L-COM [HG2406DPU], Shakespeare [5912]

OPTIONS

Our S3-HP can be outfitted with a modular payload. The onboard sensor and communication systems allow for autonomy and situational awareness (optional/GFE)

ARMAMENTS

- **Gun:** Dillon Minigun (7.62mm)
- **Payload:** Variable up to 600 lbs.
- **Torpedo:** Twin tube LWT Mk 46

OTHER

- **Hull:** 5086 Marine Grade Aluminum
- **Sea-State:** Operate/Survive (3-4)
- **Production:** Robotic Manufacturing Capability (15-20 craft/month)
- **Transportable:** Air, Sea, or Land
- **TRL:** 9 (Craft), and 7 (Technology)
- **Watertight:** Hull cannot sink unless intentionally scuttled
- **Stability:** Outriggers [prd/sttbd]

