


MILITARY VESSEL

20 METER HYDROGRAPHIC SURVEY VESSEL



LOA	BEAM	DRAFT	RANGE	SPEED	COMPLEMENT	OTHER SPECS
65' (20m)	18.3' (5.6m)	5' (1.5m)	400 n.m. (741 km)	20 knots (normal load)	5 crew	Fuel Capacity: 2,400 gal. (9,085 L) Potable Water: 260 gal. (984 liters)

OVERVIEW

Swiftships' 20 Meter Hydrographic Survey Vessel is a twin-screw diesel powered single chine vessel that provides a fast stable platform for hydrographic survey operations. Construction of the hull and superstructure is welded aluminum alloy, built in accordance to approved codes and regulatory standards. The vessel features on the lower level a walk-in engine room, full galley and mess, and a berthing area. On the main deck a large survey data collection is located aft of the raised pilothouse. The working deck area connects directly to the survey data collection room. Ride, comfort and maneuverability are all characteristics of this deep 'V' hull design. In addition, the lifting strakes and stern wedge help the vessel maintain an even trim throughout a wide speed range. Outfitting is to the highest commercial standard with heavy emphasis on noise suppression.

COMMUNICATION AND NAVIGATION

- One (1) VHF/FM Radio
- One (1) SSB Radio
- One (1) VHF/UHF Radio
- One (1) Intercom/Loudhailer
- Two (2) Radars
- One (1) Fathometer
- Two (2) DGPS
- One (1) Anemometer

MACHINERY

- **Main Engine:** Two (2) Caterpillar marine diesel engines, Model C18, rated 1000 HP at 2300 RPM each.
- **Generators:** Two (2) Northern Lights Generator 55 kW, 220/380 VAC, 50 Hertz, three phase diesel generator set

HYDROGRAPHIC EQUIPMENT

- Multibeam system
- Single beam system
- Sub-bottom profiler
- Side scan sonar system
- Sound velocity profiler
- Magnetometers
- Pressure tide gauge
- Positioning & attitude sys.
- Data acquisition system
- Data processing system
(Supplied by SAIC)

FEATURES (OPTIONAL)

- Vessel acquisition programs can include 90 days onboard, 2 years onshore and 2 years spare parts.
- CONUS and/or in-country maintenance and repair training;
- Portable self-contained maintenance facilities and follow-on technical assistance in country.
- A land-based mapping center is available to consolidate data from at sea mapping.
- Coastal hydrographic mapping charts can be produced.