



HORIZON SURVEYOR



GENERAL

- Type of vessel: Utility
- Class: ABS+A1+AMS
- Flag: Panama
- Built: Cheoy Lee, Hong Kong
- Year of Build: 2002
- Length: 40.20 m
- Beam: 10.0 m
- Draft: 4.20 m
- Displacement: 991 MT
- DWT: 480 MT

MACHINERY

- Main Engines: 2 x CAT 3508B, 1000 HP ea.
- Bow Thrusters: Tunnel 200 HP
- Propeller: CPP in kort nozzle
- Generators: Caterpillar 3306B
- Electrical power: 2 x 160 KW, 415/3/50
- Emergency generator: 1 x 6.3 KW, 240/1/50
- Range: 25 days / 7200 NM

CAPACITIES

- Deck cargo capacity: 88 T
- Deck space: 17 x 9 m = 153 m²
- Deck wood sheathing: 6 x 8 m = 128 m²

ELECTRONICS

- DP System: Alston C-Series
- Radar: Furuno FR-8051
- Aux radar: Furuno
- Depth sounder: Furuno FE-700
- Radio: Sailor RT4822
- Autopilot: Furuno FAP-330
- Satellite compass: SC60 Satellite
- Compass: Magnetic compass: Lilley & Gillie MK2000

- GMDSS: Portable ICOM VHF
- GPS: Furuno GP-36 DGPS
- PA System: Vingtor SPA-120 P.A.

The Horizon Surveyor is a fully mobilized Geophysical Survey Vessel, capable of full geophysical and hydrographic surveys, ROV surveys and environmental surveys. The vessel is mobilised with, but not limited to:

- 2D high resolution
- Multibeam echo sounder
- Singlebeam echo sounder
- Sub Bottom Profilers
- Side Scan Sonar
- Magnetometer
- USBL
- Observation / Inspection class
- ROV
- Drop core sampler
- Grab sampler
- Roson CPT
- Vibrocoring

ACCOMMODATION

- For 12 crew: 2x1 + own toilets
- + 2 Clients: 1x2 + own toilet (Client)
- + 14 Passengers: 1x2, 1x4, 1x4, 3x4, 1x2

CARGO PUMPS

- MDO: 25 HP

TANKS

- Water ballast: 35 m³
- Fresh water: 187 m³
- MGO: 179 m³
- Hydraulic oil: 3.7 m³
- Dirty oil: 2.7 m³

- Bilge holding: 2.6 m³
- Sewage holding: 5.3 m³

EXTERNAL FIRE FIGHTING

- Pumps capacity: 1200 m³/Hr
- Crane for fast boat: 1.5 T SWL
- Tugger: 1 x 2T @ 9 m/mn
- Anchors: 2 x 780 Kg
- Stern roller: 3 m x 1.5 m Diameter

SAFETY EQUIPMENT

- Welding/cutting: Machine c/w attach
- Liferafts: 2 x 25 persons
- Rescue boats: 6 persons, 25 HP
- H2S Gas Detection On air inlet.

Vessel meets SOLAS requirements. GMDSS for A2.

Note: This specification is subject to change without notice.

