**AZIMUTH STERN DRIVE TUG 3212**

**PICTURE OF SIMILAR VESSEL**

**GENERAL**

Basic functions: Push-pull, escorting, towing, Ø fire-fighting and Ø oil pollution control operations

Classification: Bureau Veritas

Ø Exhaust emissions: Forced ventilation

Propeller: Thrusters 2x Rolls Royce US 255 P30 FP

**TANK CAPACITIES**

- Fuel oil: 148.3 m³
- Fresh water: 15.4 m³
- Sewage: 5.1 m³
- Clean lubrication oil: 7.6 m³
- Dirty lubrication oil: 6.5 m³
- Bilge water: 6.5 m³
- Ø Foam: 12.3 m³
- Ø Dispersant: 5.1 m³
- Ø Urea: 3.0 m³

**PERFORMANCES**

- Bollard pull ahead: 83.1 t
- Bollard pull astern: 76.1 t
- Speed: 13.5 kn

**DECK LAY-OUT**

Anchor

- Anchor winches: 2x Electric 10 m/min
- Towing winch: 2x Caterpillar C4.4 TA, 440 V, 123 kVA, 60 Hz
- Ø Rendering/recovery winch: 2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz

- Capstan fore: Electrically driven, 5 ton at 15 m/min
- Capstan aft: Electrically driven, 5 ton at 15 m/min
- Crane: Heila HLM 10-35 or Heila HLM 20-35 with winch
- Towing hook aft: SWL 100 ton
- Towing winch aft: Hydraulically driven single drum two speed winch with spooling device and warping head, high pull/low speed 31 ton up to 12 m/min, slack rope speed up to 39 m/min, 200 ton brake
- Fendering: Ø fender at sides, cylinder fender at transom corners, cylinder bow fender with water spray

**ACCOMMODATION**

For 10 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store and sanitary facilities.

**NAUTICAL AND COMMUNICATION EQUIPMENT**

- Searchlights: 1x Norselight 2000 W + Ø 1x Norselight 2000 W
- Radar system: 1x Furuno FAR-1518-BB + Ø 1x Furuno FAR-1518-BB
- Compass: Cassens & Plath Reflecta 11
- Satellite compass/GPS: Simrad GNP70/HS80A
- Gyro compass: Anschütz Standard 22 compact
- Autopilot: Simrad AP-70
- Echosounder: Furuno FE-800
- VHF: 2x Sailing 6202 + Ø 1x Sailer 6215
- VHF hand-held: 2x Jotron Tron TR-20
- Navtex: Furuno NX-700B
- AIS: Furuno FA-170
- SSB: Furuno FS-1575
- LTR: Furuno Felcom 19
- Immarsat: 2x Furuno Felcom 18
- EPIRB: Jotron Tron-60S
- Sart: Jotron Tron Sant20
- Anemometer: Gill Instruments GMX500

Ø = Optional equipment