



## CLASSIFICATION

✕A1, Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel, ©, ✕AMS, ✕DPS-2

## CLASSIFICATION SOCIETY:

**Build Location:** Jaya Shipyard  
**Flag:** Panama  
**Delivered:** 2005  
**Type:** AHTS  
**Design:** 70 m Anchor Handling Supply Vessel

## DIMENSIONS

**L.O.A.:** 70 m  
**LPP:** 66.80 m  
**Breadth Moulded:** 16.8 m  
**Draft:** 6.8 m max.  
**DWT:** 2,000  
**GRT:** 2,690  
**Net Tonnage:** 807

## VESSEL CAPABILITIES

### CARGO CAPACITIES

**Deck Area:** 500 m<sup>2</sup>  
**Deck Cargo:** 800 t  
**Deck Load:** 7.5 t / m<sup>2</sup>  
**Fuel:** 1,126 cubm  
**Potable Water:** 361.9 cubm  
**Drill Water:** 308.51 cubm  
**Liquid Mud:** 490.32 cubm  
**Dry Bulk:** 226 cubm

### DECK MACHINERY / MOORING

**Tugger Winches:** 2 x 10 t  
**Capstans:** 2 x 10 t  
**Deck Cranes:** 1 x 2.2 t@12.2 m  
**Windlass:** 1 x Brattvaag 17 t drum duty  
**Anchor:** 2 x 2,090 kg, AC 14  
**Chain:** 918 m x 46 mm, U2 chain

## PROPULSION AND POWER

**Main Engines:** 2 x 4,000 kW @ 750 rpm, Wartsila 8L32m  
**Aux. Engines:** 2 x 410 kW @ 1,800 rpm, Caterpillar 3408 DITA  
**Emergency Generator:** 1 x 60 kW @ 1,800 rpm, Perkins / 1004 TG2  
**Shaft Generators:** 2 x 2,875 kVA @ 1,750 rpm, ABB  
**Main Propellers:** 2 x Wartsila propulsion, CPP, 4 blades / 4,000 mm diameter  
**Bow Thruster:** 2 x Kawasaki KT -88B3, 10 t thrust  
**Stern Thruster:** 1 x Kawasaki KT -88B3, 10.5 t thrust  
**Rudders:** 2 x Spade

## DISCHARGE CAPACITIES

**Fuel:** 1 x fo cargo pump 200 cubm/h@0 bar  
**Potable Water:** 1 fw cargo pump 120 cubm /h@9 bar  
**Drill Water:** 1 x drill/ballast pump 150/100 cubm / h @ 9/2 bar  
**Liquid Mud:** 2 x liquid mud pump 75 cubm / h @ 24 bar  
**Dry Bulk Compressors:** 2 x 20 cubm / min @ 5.5 bar

## ACCOMODATION

**Total Capacity:** 40 persons  
**Cabins:** 10 cabins x 1 person  
**Hospital:** 15 cabins x 2 persons  
**Lounges:** Fully equipped

## CONTINGENCY EQUIPMENT

**Fast Rescue Craft:** 1 x Narwhal SV -480 type, outboard motor, 40 BHP  
**Fire Fighting:** FI-FI 1, totally 2,400 cubm/h  
**Rescue Zones:** 2, port and starboard

The vessel is designed to fulfil the following duties:

- Supply and transport of equipment between offshore platforms and installations (such as brine, cargo containers, cement, drill water, fresh water, fuel oil, liquid mud, methanol, pipes etc)

## PERFORMANCE

<b>Bollard Pull:</b>	135.69 tons
<b>Max. Speed:</b>	14 knots
<b>Consumption per Day:</b>	32 t @ fullspeed, 35 t @ towing, 25 t @ sailing

## TOWING / ANCHOR HANDLING EQUIPMENT

<b>Winch Type:</b>	Brattvaag, triple drum, waterfall type
<b>AHT Winch Pull:</b>	300 t
<b>AHT Winch Break:</b>	450 t
<b>Tow Drum Capacity:</b>	1,700 m x 76 mm, SWR
<b>Tow Line:</b>	1,300 m x 76 mm
<b>Working Drums Capacities:</b>	1,500 m x 76 mm
<b>Storage Drums Capacities:</b>	1,500 m x 76 mm
<b>Spare Tow Line:</b>	1,300 m x 76 mm
<b>AH Triplex Shark Jaws:</b>	1 x 500 t SWL
<b>Towing Pins Triplex:</b>	1 x 160 t SWL
<b>Stern Roller:</b>	5,000 mm length, 2,500 mm diameter, 450 t SWL

## NAVIGATION & COMMUNICATION EQUIPMENT

<b>Radars:</b>	1 x Furuno X-band, 1 x Furuno S-band
<b>Main Radio:</b>	GMDSS Furuno
<b>Inmarsat C:</b>	Felcom 15
<b>GPS:</b>	2 x Furuno
<b>Autopilot:</b>	Anschutz
<b>Gyro:</b>	C-Plath

