

# 78m Anchor Handling Offshore Support Vessel

## DATASHEET



## Design highlights

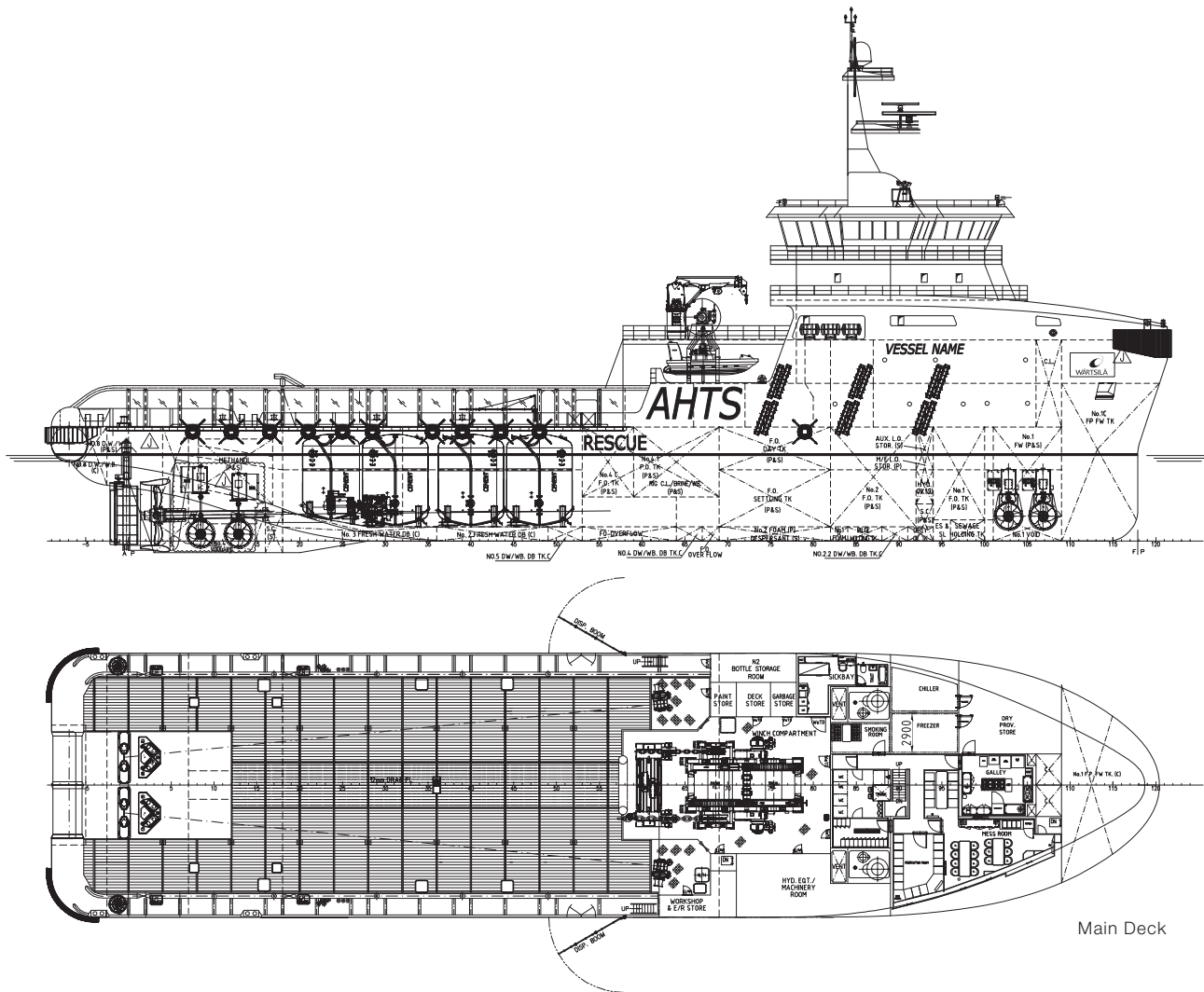
- Transports liquid cargo, bulk cement, liquid mud, stores, materials and equipment
- Moves personnel and materials between platforms
- Capable of 24hr/day continuous operation and remaining on station for a minimum of 35 days
- Towing and anchor handling duties
- Fire fighting
- DPS-2
- SPS Code 2008

## SPECIFICATION IN BRIEF

Length overall	78.20 m
Breadth mid	18.50 m
Deck area	600 m <sup>2</sup>
Speed	15.5 knots
Bollard pull	150 tonnes



Fig.1 Detailed elevation drawings



## TECHNICAL SPECIFICATION

### MAIN DIMENSIONS

Length overall .....	78.20 m
Breadth mid .....	18.50 m
Depth mid .....	8.00 m
Draft designed .....	6.00 m
Cargo deck area .....	600 m <sup>2</sup>

### CAPACITIES

Deadweight, draft .....	approx. 3000 tonnes
Fresh water .....	580 m <sup>3</sup>
Ship's fuel oil .....	575 m <sup>3</sup>
Cargo fuel oil .....	850 m <sup>3</sup>
Cement .....	300 m <sup>3</sup>
Liquid mud/brine/base oil .....	750 m <sup>3</sup>
Methanol .....	160 m <sup>3</sup>

### PERFORMANCE

Speed .....	15.5 knots
Bollard pull .....	160 tonnes

### DECK EQUIPMENT

- Deck crane (5t SWL@15m radius)
- Anchor windlass/mooring winch (76 Kn @ 13.5m/min.)
- Anchor handling/towing winch (low pressure 3500/1400 Kn @ 10-20m/min.)
- Tugger winch (2 x 170 Kn @ 21m/min.)
- Capstan (2 x 100 Kn @ 25m/min.)
- Anchors (2 x 2295 kg)

### MACHINERY AND PROPULSION

- Main engine (2 x Wärtsilä 9L32/4500 kW each)
- Shaft alternator (2 x 1900 kW)
- Main generator (2 x 610 kW diesel driven)
- Emergency generator (95 kW)
- Propeller (2 x CPP, 4.1m dia. each)
- Bow thruster (2 x 850 kW)
- Stern thruster (2 x 700 kW)

### ACCOMMODATION

- Accommodation for 44 persons, comprising of
- 10 x 1-man cabins
  - 17 x 2-man cabins

### CLASSIFICATION

Class NK, NS\* (OSV, AHV, TV, ORV, FFV, 1) (DPS b) (IWS) (PSCM) (NVC.C), MNS\* (MO)

### REFERENCES

Owner ..... Executive Offshore Pte Ltd  
Shipyard ..... Colombo Dockyard PLC