

# Skandi Neptune

PIPELAY AND CONSTRUCTION VESSEL



The Skandi Neptune vessel has the ability to perform a variety of offshore and subsea operations including ROV support, flexible pipelay installations and offshore construction projects.

- Length 104.2 m
- Breadth 24 m
- Cargo Deck Area 1180 m<sup>2</sup>
- An active heave compensated 140 t offshore crane
- 2 x Auxiliary cranes
- 2 x Workclass ROVs rated to 3000 m
- Two stern mounted main azimuth thrusters combined with a retractable forward azimuth thruster and two bow tunnel thrusters
- A Class II DP System

**General Information**

Classification	DNV, 1A1, EO, DYNPOS AUTR SF, DK+, HELDK
Built	Brattvaag Skipsverft, Norway (2001)
Conversion	BMV, Norway (2005)
Flag State Authority	NIS (Norwegian)
Port of Registry	Bergen
IMO Number	9205720

**Dimensions**

Overall Length	104.2 m
Breadth	24.00 m
Depth (to construction deck)	10.45 m
LPP	96.483 m
Draught (maximum) Summer	6.40 m
Draught (minimum)	4.30 m
Draught (including skeg)	7.2 m
Deadweight	5300 t
Gross Tonnage	7941 t
Net Tonnage	2383 t

**Manoeuvring and Propulsion Systems**

Main Engines	2 x 1530 kW (Wartsila 9L20) 2 x 3600 kW (Wartsila 8L32)
Generators	2 x 1650 kVA (Siemens) 2 x 3820 kVA (Siemens)
Main Propulsion	2 x 3700 kW azimuth thrusters
Tunnel Thrusters (bow)	2 x 883 kW, 2200 Kamewa
Azimuth Thruster (bow)	1 x 880kW retractable
Bollard Pull	125 t

**Dynamic Positioning Systems**

DP Classification	DYNPOS AUTR (Class II)
DP System	Kongsberg Simrad SDP 22
Reference Systems	GPS1 Seatex DPS 200 DPS 132
Transponder winch with 3000 m of cable	

**Speed / Consumptions**

Economical Speed	12 knots at 25 t/per day
Full Speed	15 knots at 36 t/per day
DP Operations	7-10 t/per day

**Tank Capacities (100%)**

Fuel Oil	1710 m <sup>3</sup>
Fresh Water	966 m <sup>3</sup>
Ballast Water	3398 m <sup>3</sup>
Lub. Oil	55 m <sup>3</sup>
Waste Oil	88 m <sup>3</sup>
Maximum fresh water production	75 m <sup>3</sup> per day

**Cargo Deck**

Deck Area (shelter deck)	1180 m <sup>2</sup>
Deck Strength (steel deck - 780 m <sup>2</sup> )	10 t/m <sup>2</sup>
Deck Strength (steel deck - 400 m <sup>2</sup> )	4 t/m <sup>2</sup>

**Deck Cranes**

Main Deck Crane with HAWK online system (Main Line)	140 t at 11 m (internal lift) 140 t at 10 m (500 m depth) 94 t at 10 m (2500 m depth)
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Main Deck Crane (Whip Line)	6 t (2500 m depth)
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The main deck crane (National Oilwell) is certified for ship to ship transfers and is fitted with an active heave compensation system on both the main and whip lines. Two 10 tonne crane tuggers are also installed.

Auxiliary Deck Crane I (starboard side)	5 t at 20 m
Auxiliary Deck Crane II (port side)	5 t at 22.5 m

Both auxiliary cranes have personnel lift modes with a SWL of 1.5 t.

**ROV Systems**

The vessel is fitted with two side launched 3000 m rated workclass ROVs. Both units are housed in a purpose built ROV hanger.

**Survey**

Comprehensive, fully networked online and offline suites capable of supporting construction and inspection activities.

**Flex Lay Systems**

A single centreline moonpool (7.2 m x 7.2 m). Can be equipped with a 2.4 m diameter reel.

**Accommodation**

106 persons

Single Cabins	48
Double Cabins	29

In addition to recreation rooms, the vessel is also provided with two client offices, client conference room and two ROV control rooms.

**Helideck**

The vessel is fitted with an approved and certified helideck. The helideck has a D value of 19.5 and is approved for Super Puma L2 helicopters. A Kongsberg Simrad helideck monitoring system is installed.

**Communication System**

The vessel is fitted with Inmarsat B and C and also a Telenor Sealink system.