

# Seven Navica

PIPELAY VESSEL



The Seven Navica is a pipelay vessel with pipelay capability for both rigid and flexible products capable of operation in water depths of up to 2,000m with a top tension capacity of 205t.

- Length 108.53m
- Breadth 22m
- Cargo Deck Area 300m<sup>2</sup>
- 60t offshore crane
- 2 x Auxiliary cranes
- 2,200t main deck mounted storage and deployment reel
- An optional 250t piggyback reel can be fitted as required
- Capable of laying rigid steel pipe from 2" to 16" nominal diameter
- Two stern mounted contra rotating azimuth thrusters, two bow tunnel thrusters and a retractable bow azimuth thruster
- Class II DP System

**General Information**

Classification	DNV, 1A1, SF, DYNPOS AUTR HL (2.8), DK+, HELDK-S
Built	Aker-Brattvaag, Norway (1999)
Flag State Authority	Isle of Man Government
Port of Registry	Douglas

**Dimensions**

Overall Length	108.53m
Breadth	22.00m
Depth (main deck)	9.00m
Draught (summer)	7.165m
Draught (tropical)	7.341m
Deadweight	9560t
Gross Tonnage	6083t
Net Tonnage	1859t

**Manoeuvring and Propulsion Systems**

Main Engines / Generators	2 x 2700kW (Diesel Electric) 2 x 3600kW (Diesel Electric)
Main Propulsion	2 x 3000kW contra rotating azimuth thrusters (Aquamaster)
Tunnel Thrusters (bow)	2 x 1300kW (Kamewa)
Azimuth Thruster (bow)	1 x 1200kW (Aquamaster retractable)

**Dynamic Positioning Systems**

DP Classification	DYNPOS AUTR (Class II)
ERN Rating	99.99.99
DP System	Kongsberg Simrad SDP 22
Reference Systems	3 x DGPS 2 x HiPAP
	1 x fanbeam 1 x tautwire

**Speed / Consumptions**

Speed	12 knots at 20t/per day
DP Operations	10t/per day

**Tank Capacities (100%)**

Fuel Oil	2683m <sup>3</sup>
Fresh Water	1218m <sup>3</sup>
Ballast Water	2203m <sup>3</sup>
Lub. Oil	40.4m <sup>3</sup>

**Cargo Deck**

Deck Area (main deck)	300m <sup>2</sup>
Deck Area (mezzanine deck)	180m <sup>2</sup>
Deck Strength (main deck)	10t/m <sup>2</sup>

**Deck Cranes**

Main Deck Crane (Main Line)	60t at 18m (double fall) 30t at 29m (single fall)
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The main deck crane (TTS knuckle boom) is certified for man riding operations up to 2.5t. The vessel has a man riding basket suitable for 1.25t man riding operations.

The main deck crane is certified for Ship to Ship Transfers (maximum 15t).

Auxiliary Deck Crane I	3t
Auxiliary Deck Crane II	3t

**ROV Systems**

The vessel is not normally fitted with an ROV system, however this can be installed as required.

**Pipelay Systems**

The vessel is fitted with one 2200t (approx - depending on overall vessel payload) main deck mounted storage and deployment reel. An optional 250t piggyback reel can be fitted as required. A lay ramp system is permanently installed for deployment of a range of products at varying lay angles from 23° to 90°. The lay ramp system comprises of a guide chute, piggyback chute, pipe straightener, 205t tensioner, hold back clamp, roller box, two abandonment and recovery sheaves and two ramp elevators. One 250t and one 50t abandonment and recovery systems are provided.

**Accommodation**

	73 persons
Single Cabins	27
Double Cabins	23

**Helideck**

The vessel is fitted with an approved and certified helideck. The helideck has a D value of 19 and is approved for Super Puma helicopter operations (9.3t).

**Communication Systems**

The vessel is fitted with Inmarsat B and KU Band systems. The KU Band system has the option to be converted to C Band as operational requirements demand.

