

Seven Seas

Construction/
Flex-lay

subsea 7



Seven Seas is a construction / flex-lay vessel capable of operating in water depths up to 3,000m.

- Length 153.24m x breadth 28.4m
- Heave compensated 400t
- 1 x 1,390t aft and 1 x 1510t fwd carousels below deck / 3,000t carousel / multiple reels on deck
- 7.5m x 8.5m moonpool
- Accommodation for 120 persons
- 2 x work-class ROVs

General Information

Classification	Lloyds Register, +100A1, LI +LMC, UMS, DP (AA), CAC(3), EP, ICC, UD strength for load of 10t/m ² , Heli landing area
Built	Merwede Shipyard, The Netherlands 2008
Flag State Authority	Isle of Man Government

Dimensions

Length Overall	153.24m
Breadth	28.4m
Depth to Maindeck	12.5m
Draught (design)	7.5m
Deadweight	10,130t
Gross Tonnage	18,250t
Net Tonnage	5,475t

Manoeuvring and Propulsion Systems

Main Engines / Generators	6 x 3240kW (Diesel Electric)
Propulsion	3 x 2950kW stern azimuth thrusters (Wartsila) 2 x 2400kW retractable bow azimuth thrusters (Wartsila) 1 x 2200kW bow tunnel thruster (Wartsila)

Dynamic Positioning Systems

DP Classification	DP (AA) (Class II)
DP System	Kongsberg Simrad SDP 22
Reference Systems	2 x Veripos DGPS 2 x HiPAP 502 1 x taut wire 1 x fanbeam

Speed / Consumptions

Service Speed	13 knots (approx)
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Tank Capacities (100%)

Marine Gasoil	2,480m ³
Fuel Oil	1,227m ³
Potable Water	655m ³
Ballast Water	4,530m ³
Anti-Heel Tanks	1,538m ³
Stabiliser Tanks	716m ³
Technical FW (in WB Tanks)	685m ³

Cargo Deck

Deck Area (aft of Moonpool)	1,750m ²
Deck Strength	10t/m ²

ROV Systems

The vessel is fitted with two over side launched work-class ROVs rated to 3000m.

Deck Cranes

Huisman BV Main Deck Crane (Active heave compensation)	
Main hoist	400t
Whip hoist	40t
	2t man-riding rating
Stbd Aft Auxiliary Deck Crane (Active heave compensation)	
Main hoist	34t
Whip hoist	20t
	2t man-riding rating
Stbd Midships Auxiliary Deck Crane	12t
	2t man-riding rating
Lay tower top Auxiliary Deck Crane	20t

Pipelay Systems

A vertical lay system is permanently installed for deployment of a range of flexible products. The tower consists of two aligner chutes (one port, one starboard), a retractable electric driven upper 170t tensioner and a lower retractable electric driven main 260te tensioner.

Two hold carousels with storage capacities 1390t aft and 1510t Fwd are provided.

A 450t and a 125t A+R winch are provided.

Communications Systems

The vessel is fitted with an extensive communications system including a dual KU / C band Vsat satellite communication system, 2 x Inmarsat C and Inmarsat F systems.

Accommodation

120 persons	
Single cabins (with dayroom)	3
Single cabins	17
Double cabins	48
Four Man cabins	1
Hospital (not included in total)	2

Helideck

The vessel is fitted with an approved and certified helideck suitable for Sikorsky S92 and Super Puma operations. Kongsberg HMS 100 is fitted.