

Seven Viking



Type:
IMR, Survey & Light
Construction

Classification:
DnV 1A1 with the following
class notations: SF, E0,
DYNPOS-AUTR, CLEAN
DESIGN, NAUT-AW,
COMF-V(3), DEICE, ICE-C,
HELDK-SH(CAA-N), WS, LFL*

The *Seven Viking* is a state-of-the-art vessel, with the innovative X-BOW® it is designed to meet the high demands of Inspection Maintenance and Repair (IMR), Survey and Light Construction in some of the harshest environments. The versatility of the vessel allows for Scale Treatment and Light Diving Support services.

- Length 106.5m x breadth moulded 24.5m
- Service Speed: 16.0 knots
- Accommodation: 90 persons
- AHC Offshore crane: 135 Te @13m
- 2 x Workclass ROVs
- 1 x Observation class ROV

Seven Viking

General Information

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Built	Norway 2012
Flag State Authority	Norway

Dimensions

Length Overall	106.5m
Breadth moulded	24.5m
Draught (operational)	6.5m
Draught (max)	8.0m
Freeboard at operational draught	5.0m
Freeboard at max draught	3.5m

Main Data

Service Speed	16.0 knots
Accommodation	90 persons (64 single cabins, 13 semi-single cabins)
Personnel elevator	
Mid Ship Helideck for SuperPuma and Sikorsky S-92, Ø26.1m	

Power generation and propulsion

Generators	2 x 4,320 kW main diesel 2 x 1,824 kW main diesel 1 x 250 kW emergency generator
Propulsion Thruster	3 x 3 MW contra rotating azimuth 1 x 1.4 MW retractable compass 1 x 1.4 MW combi retractable 1 x 1.7 MW tunnel SCR (NOx Catalyst) on exhaust

Tank Capacities (100%)

Fuel MDO	2,100m ³
Fresh water (potable)	1,300m ³
Fresh Water	200m ³
MEG / Brine	600m ³
Special Products, LFL	450m ³

Working Deck

Deck strength	10t/m ²
Deck area	approx 830m ²

Weld-free seafastening

Twist locks are integrated in part of the working deck for quicker mobilisation/demobilisation of standard containers.

Cranes

Main Crane	
AHC Offshore crane	135t @13m
Maximum reach	30m
Wire length	2,000m
AHC whip line	10t @ 31m
Whip line wire length	1000m
Operational limit	5.0m Hs Man riding
Auxiliary Cranes	
Telescopic crane for provision	1 x 15 Te
Telescopic cranes in MHS hangar	2 x 3 Te
Telescopic crane on pallet	1 x 3 Te
Telescopic crane in ROV hangar	1 x 1 Te

Module Handling System

MHS fully integrated in hangar with cursor system for controlled launch and recovery of modules to 2,000msw in conditions up to 5m Hs.

Capacity to handle modules up to 70 Te and 10m height Skidding system with storage capacity of up to 8 skidding pallets, including 4 indoor storage positions.

Winches: 1 x 70 Te, 1 x 20 Te, 3 x 5 Te.

Integrated AHC winch with dedicated HPU for 12 lines hydraulic downline.

ROV

All ROV systems in enclosed ROV hangar
2 x Workingclass ROVs (Schilling HD), rated to 3,000 msw, launched over side by A-frames. AHC Umbilical winch, 2,500m umbilical

1 x Observation ROV (SubAtlantic Mohican), rated to 2,000 msw, launched by A-frame. AHC Umbilical winch, 1,800m umbilical.

Operational limit 5.0m Hs for all systems

Scale Treatment

Scale treatment pumping spread and special product tanks integrated in vessel

Pumping capacity 30-2,800 l/min @ 0-345 bar

Pre heating to 90 deg

Mixing units for small volumes of additives.

Operation control

Joint operation control room for Shift Supervisor, MHS control, ROV control, Scale Treatment control, third party control and survey with direct view to MHS.