

NORTH SEA ATLANTIC



North Sea Atlantic is a Multipurpose Offshore Construction Vessel designed by Skips-tekniisk. The vessel is specially designed for operation under severe weather conditions and with high maneuverability and station keeping capabilities.



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#01 MAIN CHARACTERISTICS

Length over all	144,00m
Length between p.p.	126,70m
Breadth moulded	27,00m
Depth to main deck	11,50m
Max draft approx.	8,50 m
DWT at SWL/8,0m	approx. 9300 tons
Deck area aft of hangar	1900 m ²

#02 OPERATIONS

The vessel is prepared for the following duties:

- Pipelaying or cablelaying through moonpool or over stern.
- ROV operations like pipeline/route survey.
- Sub-sea installation works through moonpool and over shipside
- Crane operations for bottom positioning of modules

#03 TANK CAPACITIES

Fuel oil	approx. 2100 m ³
Potable water	approx. 600 m ³
Technical water	approx. 1200 m ³
MEG Tanks	approx. 300 m ³

#04 ANTI-ROLLING TANKS

Two passive anti rolling tanks
Anti heeling tank system for crane operations

#05 CLASS

DNV +1A1, E0, SF, ICE-C, DYNPOS-AUTRO, SPS, CLEAN DESIGN,
COMF C(3)-V(3), HELDK-SH, NAUT-AW, CRANE, DK(+), BIS
ERN 99,99,99,99

#06 SPEED

Max speed at 6,0 m draft approx. 15,0 knots

#07 ACCOMMODATION

- Accommodation in total:
- 120 men in single and double cabins
- Messroom with self-serving area
- 3 lounges
- Meeting rooms, offices etc. on various decks
- Hospital, recreation area and Gym
- Helideck reception area

#08 MAIN PROPULSION SYSTEM

- Diesel electric propulsion plant
- Two azimuth propellers for main propulsion, output of 4,5 MW each

#09 POWER GENERATING PLANT

- 4 x 4220 kW diesel generators
- 1 x 1200 kW harbor generator
- 1 x emergency generator#

#10 TUNNEL THRUSTERS/ AZIMUTHS

- Two electric driven tunnel thrusters in bow, each 2200 kW
- Two electric driven azimuth thrusters in bow, each 2000 kW

#11 HELIDECK

Helideck for Sikorsky S-92/S-61.
Rules: CAA CAP437 / DnV /NOR BSL D 5-1
Diameter helideck abt. 26+m

#12 DECK EQUIPMENT

- 1 x 550t@12m (Subsea mode) boxboom crane with 3000m wire.
- 1 x 50t/15m AHC offshore crane
- 1 aux. crane, stb, 6t/15m
- 4 capstans, each 5 t
- 2 cranes for provision handling 2t/16m
- 1 underdeck carousel, 20m 2000t capacity, and prepared for 1 deck-mounted carousel 20m 2000t capacity.

#13 ROV-AREA

- Hangars for port and stb. launching of WROV's
- ROV workshops and maintenance area
- Online/offline rooms, control room, offices, meeting rooms etc.

#14 NAVIGATION AND RADIO COMMUNICATION

- Equipment according to GMDSS regulations, Area 3
- Two radars, Three Gyro Compasses
 - Autopilot
 - Electronic Chart system
 - ECDIS
 - Calling, Command, Teleph. System +CCTV
 - Echosounders etc.

#15 DYNAMIC POSITIONING SYSTEM

- Dual redundant Dynamic Positioning System (AUTRO/DP3)
- 2 x Acoustic pos. units (HIPAP with extended poles)
- HAIN
- 3 x DGPS
- 2 x Seapath 300
- Radius 1000 – 360 deg coverage
- SpotTrack
- 4 x MRUs



#16 MOONPOOL

- One main moonpool of 7,2m x 7,2m
- Main moonpool is strengthened for pipelaying and module handling tower.



#17 SAFETY EQUIPMENT

- 2x Rescue boats/MOB boats
- 2 x 130 men lifeboats
- According to SOLAS for the specified class and number of crew
- Stability according to IMO RES. MSC 266 (84) code of safety for special purpose ships 2008