



VIKING NEPTUN

Signal lettersLAYH7
 IMO No.9664902
 Design.....SALT 301
 Built.....2015
 YardKleven Yard, Ulsteinvik, Norway
 Yard no365
 HomeportHaugesund - Norway
 Owned byEidesvik Neptun AS
 Operated byEidesvik AS
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CLASS NOTATION AND REGULATIONS

DNV-GL + 1A1 SPS BIS Clean(Design) COMF
 (C-3,V-2) Crane DEICE DK(+) DYNPOS(AUTRO)
 E0 HELDK(S, H) Ice(1B) NAUT(OSV(A)) TMON

PRINCIPAL DIMENSIONS

Length OA145,60 m
 Length LPP.135,30 m
 Breadth mld.....31,00 m
 Depth to main deck13,00 m
 Draught max.....9,00 m
 Gross tonnage.....19760
 Net tonnage.....5929
 Displacements.....29.000 t
 Speed max.....17,25 knots

CAPACITIES

	M ³	SP.GR.	T
Fuel oil	2614	0,860	2248
Potable water..	1052	1,000	1052
Technical FW.....	1189	1,000	1189
Ballast	7103	1,025	7276
Max deck-load			9200 t
Max deadweight.....			16.000 t
Cargo Deck Area (open deck)			2600 m ²

ROV Hangar Main144 m²
 ROV Hangar OBS49 m²

Stability system:

3 passive stab tanks
 Anti-heeling system3 pumps each 2200 m³/h

DECK WITH EQUIPMENT

Deck strengthened10 t/m²
 ROV Moonpool.....1 off 5,6 x 4,5 m
 Work Moonpool1 off 9,0 x 7,5 m
 Moon pools are fitted with damping devices.
 Main deck, steel covered, for easy sea fastening.
 Hydr. operated folding doors
 Port side for work ROV.....(b x h) 5 x 10 m
 Stb. side for Obs. ROV(b x h) 4,2 x 5,5 m
 Door aft in hangar(b x h) 4 x 4,1 m
 Charter Work Shop EL / Mechanical.....1/1 off
 Charter Deck Store / Rigger Store.....1/1 off

MAIN OFFSHORE CRANE

Knuckle boom crane/single fall.....1 off
 Main hoist.....400t at 20 m
 Max./min. working radius.....40/10 m
 Active heave compensating and constant tension
 Main drum wire capacity.....3000 m
 Whip hoist25 t at 42 m
 Max. working radius, whip hoist.....42 m
 Whip hoist drum wire capacity2000 m
 Tugger winch, SWL 10 t2 off
 Active heave compensating and constant tension

AUXILLARY OFFSHORE CRANE

Knuckle boom crane/double fall.....1 off
 Main hoist double fall100t at 11 m
 Main hoist single fall50t at 18 m
 Max./min. working radius.....35/7 m
 Active heave compensating and constant tension
 Main drum wire capacity.....3000 m
 Whip hoist10 t at 36 m
 Max. working radius36 m
 Whip hoist drum wire capacity500 m
 Active heave compensating and constant tension
 Hydraulic operated deck crane 10 t at 15 m1 off

SIDE THRUSTERS

Bow thrusters (tunnel)2 x 2200 kW
 Bow thrusters (retractable)2 x 2000 kW
 Aft thrusters (tunnel).....3 x 2200 kW

MANOUEVERING AND POSITION

Complete integrated manoeuvring, thruster control and vessel management system according to DNV AUTRO

DP3 System K-POS	1 off
High Precision Acoustic Positioning System	2 off
DGPS Systems	2 off
RADIUS Quad	1off
Seapath.....	2 off
Cyscan.....	1 off

NAVIGATION EQUIPMENT

Radar, 10 cm with ARPA function & chart radar	1 off
Radar, 3 cm with ARPA function.....	1 off
Voyage Data Recording System (VDR)	1 off
AIS System	1 off
EI. Chart System (IMO appr/paperless ch).....	2 off
Gyro compass	3 off
DGPS Systems	2 off
Autopilot system	1 off
Echo sounder	1 off
Doppler log system.....	1 off
Wind Sensors.....	3 off
Navtex receiver	1 off

COMMUNICATION SYSTEM

HF / MF Radio Plant acc. GMDSS A3	1 off
VHF with DSC	2 off
VHF simplex.....	5 off
Inmarsat C.....	2 off
Fleet Broad Band 500	1 off
Portable VHF acc. to GMDSS	3 off
UHF, fixed	5 off
Helicopter VHF com. system fixed/portable	2/3 off
Radar transponders.....	2 off
Portable UHF w/headset for helmet.....	6 off
Integrated Intercom digital system for voice, data, Audio / Video, Loud hailing / Talk back, alarm system Distribution	1 off
Satellite telephone system.....	1 off
Integrated Closed Circuit TV system, indoor and outdoor monitors with 56 off cameras.....	1 off

ANCHOR AND MOORING EQUIPMENT

Anchors, stockless 6525kg.....	2 off
Anchor / mooring winches	2 off
Mooring winches w/double drum fwd.....	1 off
Mooring winches aft	2 off

GARBAGE DISPOSAL PLANT

System/containers for waste segregation	1 off
Incinerator, cap 730.000 kcal /h.....	1 off

LIFESAVING EQUIPMENT

Mob boats 15 persons, 32-34 kn	1 off
Mob boats 6 persons, 18-20 kn	1 off
Enclosed lifeboat capacity 130 persons.....	2 off
Life-rafts for 20 persons.	2 off
Survival suits	

ACCOMODATION

Vessel has accommodation for 150 persons.

Ships lobby	2 off
Dayroom	3 off
Mess room / cafeteria.....	1 off
Coffee shop.....	1 off
Game room.....	1 off
Stateroom cabins	4 off
Single cabins.....	46 off
Double cabins	50 off
Total	Total no of bunks: 150
	All cabins with toilet and shower
Operation/ROV Control Centre	1 off
Project office area	1 off
Offshore manager office.....	1 off
Client other offices	2 off
Conference rooms.....	2 off
Ships office	1 off
Hospital.....	1 off
Gymnasium.....	1 off
Wardrobes	2 off
Laundry.....	2 off
Dry room	1 off

LIFT FOR PASSENGERS AND STORE

Lift for stores and passengers (max 1450 kg and 19 persons) from 2 nd deck to E deck	1 off
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HELICOPTER DECK

D value 20,88 m and weight 12,8 T 1 off

MACHINERY AND PROPULSION

MAIN ENGINES

Type / No 2 x Wärtsilä 4E 1095

Rating..... 2 x 6000 kW

Diameter 5000 mm

MOTOR AGGREGATES

Make Wärtsilä

Type / No 6 off 6L32 and 2 off 8L20

Rating..... 6 x 3300 kW and 2 x 1480 kW

RPM..... 720 (6L32)/900 (8L20)

EMERGENCY AGGREGATE

Scania GASI 13-06E 1 off

Rating..... 375 kW

BOILERS

Central heating boiler, min 750.000 kcal/h 872 kW 1 off

FRESH WATER GENERATORS

Fresh water generators 25m³/d..... 2 off

AUTOMATON SYSTEM FOR MACHINERY

Complete integrated automation system for all main machinery components and systems, vessel control systems, thruster control system and crane / deck handling systems..... 1 off

FIRE FIGHTING SYSTEMS

Machinery spaces covered by Water Mist System

Complete integrated Fire detection system..... 1 off

ELECTRIC POWER SYSTEM

Main generators, 3170 kW 6 off

Main generators, 1405 kW..... 2 off

Propulsion motors, 6000 kW..... 2 off

Main switchboard 690/440/230 V..... 8/2/2 off

Emergency Generator 1 off

Emergency Switchboard 690/230 V..... 1 off

ROV/Utility Switchboard 690/440 V 2 off

CARGO DECK

Flush steel deck as shown on GA for fastening of equipment (designed for uplift forces)

REMOVABLE BULWARK

St.b 18 m aft / 9,75 m fwd of aux crane

Port 28 m aft / 27 m fwd of main crane

WORK MOON POOL

Opening 9,0 x 7,5 m

Top Hatch Bolted

VLS

Prepared for Flex-lay tower 550t SWL

Strength around working moon pool 50 t/m²

CAROUSEL

Max load 4500 t

Diameter 26 m

ROV HANGAR

ROV LAUNCH AND RECOVERY

Work ROV moon pool 1 off

Work ROV overboard Port side 1 off

OBS ROV (space for) Stb side 1 off

Skidding system to open deck.....

Operational water depth 3000 m

ROV MOON POOL

Opening 5,6 x 4,5 m

Top Hatch Hyd. operated

Type..... Rolls Royce