



NEPTUNO



VESSEL SPECIFICATIONS

Name	NEPTUNO
Port of Registry	Singapur
Call Signal	9V2390
IMO Number	9662136
Flag	Singapur
Year of Build	2015
Name and Nationality of Owner	NEPTUNO OFFSHORE PTE LTD
Class	DNV ✕ 1A1 COLUMN-STABILISED ACCOMODATION UNIT FIRE FIGHTER(II) BIS COAT-PSPC(B) CRANE-OFFSHORE DYNPOS(AUTRO) E0 HELDK

DIMENSIONS

Length	95.00 m
Breadth	67.00 m
Depth	27.49 m
Operating draft	20.00 m
Survival draft	13.50 m
Transit draft	8.60 m
Transit draft speed	8 nudos
Operating draft speed, with and without cargo	3.0 nudos
Gross tonnage	28,808 t
Net tonnage	8,643 t
Fuel tank capacity	3,165.9 m ³
Drinking water tank capacity	1,568 m ³

POWER GENERATION

The NEPTUNO is equipped with:

- 6 Wärtsilla W9L32E diesel engines with individual power of 4950 KW, each coupled to a Siemens generator, model 1DK4144-8AL05-Z
- 1 Caterpillar emergency generator with a capacity of 1628 KW/2125 kVA

DYNAMIC POSITIONING

The PSS NEPTUNO is equipped with a Class 3 dynamic positioning system, manufactured by Kongsberg, classification K-POS DP-32, DP -12, and CJOY C with:

- Reference position systems based on the following 6 different principles: RADIUS (1), DGPS (3), CYSCAN (2), HPR (1), HAIN (1), and GANGWAY (1)
- The propulsion has 6 azimuth thrusters manufactured by Rolls Royce with a capacity of 3700 KW each



PROPULSION, THRUSTERS, AND POSITIONING STATION

The vessel has 6 Rolls Royce azimuthing thrusters:

- 2 azimuth Rolls Royce thrusters on the bow
- 2 azimuth Rolls Royce thrusters on the stern
- 2 central azimuth Rolls Royce thrusters

NAVIGATION EQUIPMENT

- 2 GPS, Simrad model MX512
- 3 Gyrocompasses, Sperry Marine
- 1 Magnetic compass, Sperry Marine
- 1 Echo sounder, Skipper model GDS 102
- 1 Skipper doppler speed log model DL-850
- 1 AIS, Kongsberg
- 1 Navtex, Furuno model NX-700
- 1 Radar, S band, Kongsberg MFD
- 2 Radars, X band, Kongsberg MFD
- 4 K-Bridge consoles + K-Thrust console : including X and S radars, conning , Ecdis and DP console
- 1 Main GMDSS station
- 1 GMDSS backup station
- 2 Manual command stations, Kongsberg K-Thrust (levers)
- 2 Automatic pilot stations, Kongsberg K-Thrust
- 1 VDR, Kongsberg model VDR F1 S-VDR S1
- 2 UHF radio stations, Motorola model GP328

MAIN DECK AREA AND RESISTANCE

- Area: 2000 m²
- Area 5 ton/m²; 500 m²
- Area 2 ton/m²; 1,500 m²

CRANES

Liebherr Offshore Crane type BOS 14000-300 Main Crane

Maximum cargo

- Main hook 300 t
- Auxiliary hook 25 t

Working radius

- 26 radial meters from the center of the crane pedestal
- 71.8 radial meters from the center of the crane pedestal

Liebherr Type BOS 4200-75 Auxiliary Crane

Maximum cargo

- Main hook 75 t
- Auxiliary hook 15 t

Working radius

- 28 radial meters from the center of the crane pedestal
- 56 radial meters from the center of the crane pedestal

ACCOMMODATIONS

The NEPTUNO platform can accommodate 750 people in 229 cabins, which are distributed as follows:

- 36 single cabins; 29 double cabins; and 164 quadruple cabins. All cabins are equipped with toilet and shower
- This vessel has a reception area with a waiting room; offices; 2 meeting rooms; 3 mess rooms; 4 rooms specially designed as a recreation areas; movie theatre; gym; changing rooms with lockers for men and women; waiting room for personnel disembarking by sea; doctor's office and hospital with a bathroom and observation or recovery room with 2 beds

AIR CONDITIONING SYSTEM

Integrated air conditioning system with sufficient capacity to comfortably cover the needs of the entire vessel facilities.

HELIDECK

The helideck is 22.2 m in diameter with maximum take-off capacity of 12.8 tons, can receive Sikorsky S61 and S92 helicopters.

GANGWAY

Telescopic gangway for personnel to transit to/from any facility with maximum operation length of 38.5 m. Manufactured by Marine Aluminum.

BOARDING GANGWAY

Personnel boarding gangway with an operating length of 24.28 meters.

SURFACE DIVING

The vessel has a designated area for surface diving equipment.

FRESH WATER MAKERS

Fresh water generators. 3 ENWA reverse osmosis water treatment plants, each 150 m³ / day. They comply with the NOM-127-SSA1-2021 standard.



WASTEWATER TREATMENT SYSTEM

3 EVAC MBR 360 treatment plants each with a capacity of 66.6 m³/day. These treatment plants comply with the requirements of MARPOL standards, Exhibit IV and Mexican standard NOM-001-SEMARNAT-2021.

TRASH COMPACTOR

1 USON Marine compactor, model UWC-50, with a 6-ton capacity. The trash compactor complies with MARPOL standards 73/78, Exhibits V and VI.

FOOD GRINDER

3 Disperator model 530, with 2.2 KW of power food grinders for organic remains, which comply with MARPOL standards Exhibit V.

HELIDECK FIRE MONITORS

Fixed Foam System MATRE POP-UP N511 Helideck.

FIRE FIGHTING SYSTEMS FIFI II

2 Certified Fire fighting equipments FiFi II, dual monitors type FF51800LB, system capacity 3700 m³/hr.

LIFE SAVING EQUIPMENT

- 12 Lifeboats that fit 125 people each and equipped with VHF and SART radio
- 1 Rescue boat that fits 9 crewmembers
- 30 Life rafts that fit 25 people each
- 12 Life buoys with a light and a rope: 1 on each sideband, with light-smoke signal buoy (MOB)
- 981 Life jackets: 750 in the cabins, one for each person on board, and outside on the deck, the command bridge, engine room, and meeting points. There are 231 extra life jackets stored in boxes
- FIFI II System
- 3 Fire stations with firefighting equipment and full smoke diver suits

MEDICAL EQUIPMENT

- 1 Rollaway bed for emergencies
- 1 Neil Robertson stretcher
- 1 Rescue stretcher
- 1 Flat bed with integrated collar and spider strap • 1 AMBU resuscitator
- 1 Cervical collar
- 2 Emergency oxygen units
- 1 ZOLL Mseries fixed defibrillator

COMMUNICATIONS

- The vessel has fixed and portable VHF and UHF equipment located at strategic points throughout the vessel. It also has fixed and portable VHF equipment for helicopter operations located in the office of the Helicopter Landing Officer (HLO)
- It also has full Global Maritime Distress Signal System (GMDSS) that is ready for navigation on zones A1, A2, and A3
- The vessel has Skyfile mail satellite systems (mail service only)
- It also has public announcements and emergencies equipment
- Direct intercom (command bridge/control room/radio room/engine room/high voltage room).
- Sideband Systems. The vessel has Furuno FS2575 model equipment

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