



OFFSHORE CARRIER 7500 CLV

“NEXUS”

GENERAL

Yard number	553014
Delivery date	December 2014
Basic functions	Damen Offshore Carrier with 5000 ton cable laying installation
Classification	※ 100 A1, Offshore Supply Ship, ※ LMC, UMS, D.P (A.A.), NAV1, I.W.S., W.D.L. ECO (B.W.T., G.W., IHM., O.W., P) Descriptive note “Cable Layer”
Flag	Dutch Flag
Owner	Van Oord

DIMENSIONS

Length overall	122.75 m
Length B.P.P	116.15 m
Beam moulded	27.45 m
Depth main deck at side	9.00 m
Draught (Summer)	5.82 m
Deadweight	8,270 t
Gross Tonnage	9,675 GT

TANK CAPACITIES APPROX.

Fuel MGO (incl. settling and day tanks)	1.788 m ³
Potable water	187 m ³
Ballast (sea) water	8,347 m ³
Ballast (fresh) water	4,544 m ³
Lubrication oil	32 m ³
Dirty oil	20 m ³
Sludge	20 m ³
Sewage	330 m ³
Cooling water drain	14 m ³
Bilge water collecting	62 m ³
Drain water tanks main deck	2x 32 m ³

PERFORMANCES

Trial speed at summer draft @4200 kW	11.6 kn
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PROPULSION SYSTEM

Main generators	2 x MAK 8M25 (each 2,560 kWe) & 2 x MAK 6M25 (each 1,912 kWe)
Thrusters	2 x 2,100 kW azimuth, diameter 2,650 mm with 4 bladed FPP
Bow thrusters	2 x 1,000 kW tunnel thruster, diameter 2,250 mm with 4 bladed FPP 1 x 1,000 kW retractable azimuth, diameter 2100 mm with 4 bladed FPP

NAUTICAL AND COMMUNICATION EQUIPMENT

Radio equipment is according to GMDSS for area A3

AUXILIARY EQUIPMENT

- 1 diesel generator set, 1500 kVA - 1200 kWe @ 60 Hz
- 1 emergency generator set, 136 kVA – 170 kWe @ 60 Hz
- 1 thermal water boiler in combination with waste heat recovery
- 2 self-cleaning purifier units MGO
- 4 self-cleaning purifier units for LO
- 1 sewage treatment plant
- 1 ballast water treatment plant 750 m3/h
- 2 fresh water generators
- 2 starting air compressors
- 1 bilge water separator
- 1 NOVEC and water mist firefighting system for engine room
- 4 ballast pumps in the cargo area each 1000 m3/h
- 4 general service pumps each 100 m3/h

DECK LAY-OUT AND EQUIPMENT

- 1 knuckle boom 100 ton @ 20 m
- 1 stiff boom crane 4,5 ton @ 20 m
- 1 basket carousel cable laying installation for 5,000t load
- 1 small moonpool (1.5 x 1.3 m)
- 1 large moonpool (5.4 x 5.4 m)
- 1 support for A-frame

DECK EQUIPMENT

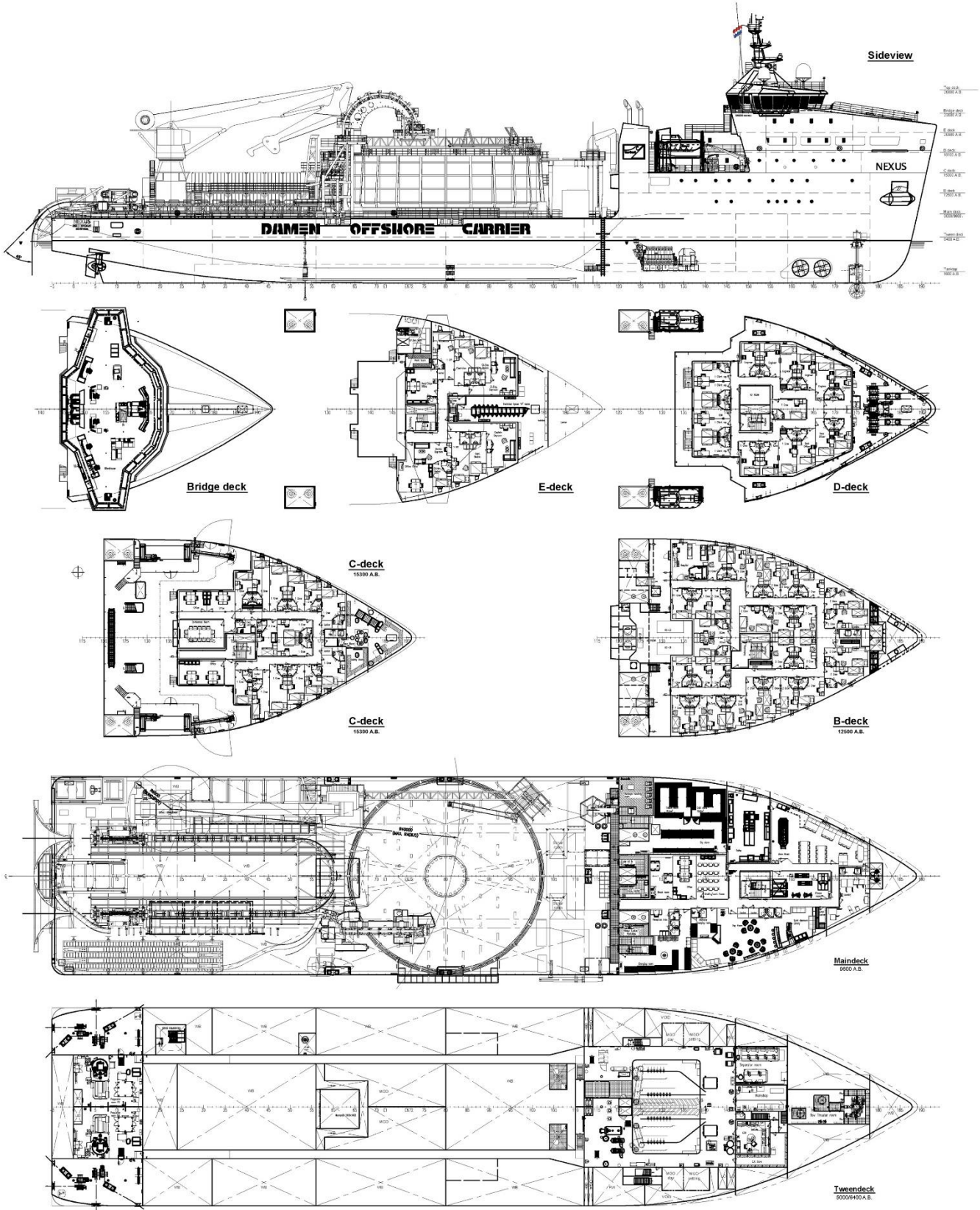
- 1 electric-hydraulic driven bow anchor winches
- 2 electric-hydraulic driven aft mooring winches
- 2 life boats, each 45 persons

ACCOMMODATION

For captain, officers, crew and SPS for a total of 90 persons

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DAMEN

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