

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	1.788 m ³
(incl. settling and day tanks)	
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 kW) & 2 x MAK 6M25 (each 1,912 kW)
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 kW @ 60 Hz
1 emergency generator set, 136 kVA – 170 kW @ 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 5,000 load
1 small moonpool (1.5 x 1.3 m)
1 large moonpool (5.4 m x 5.4 m)
1 support for A-frame

DECK EQUIPMENT

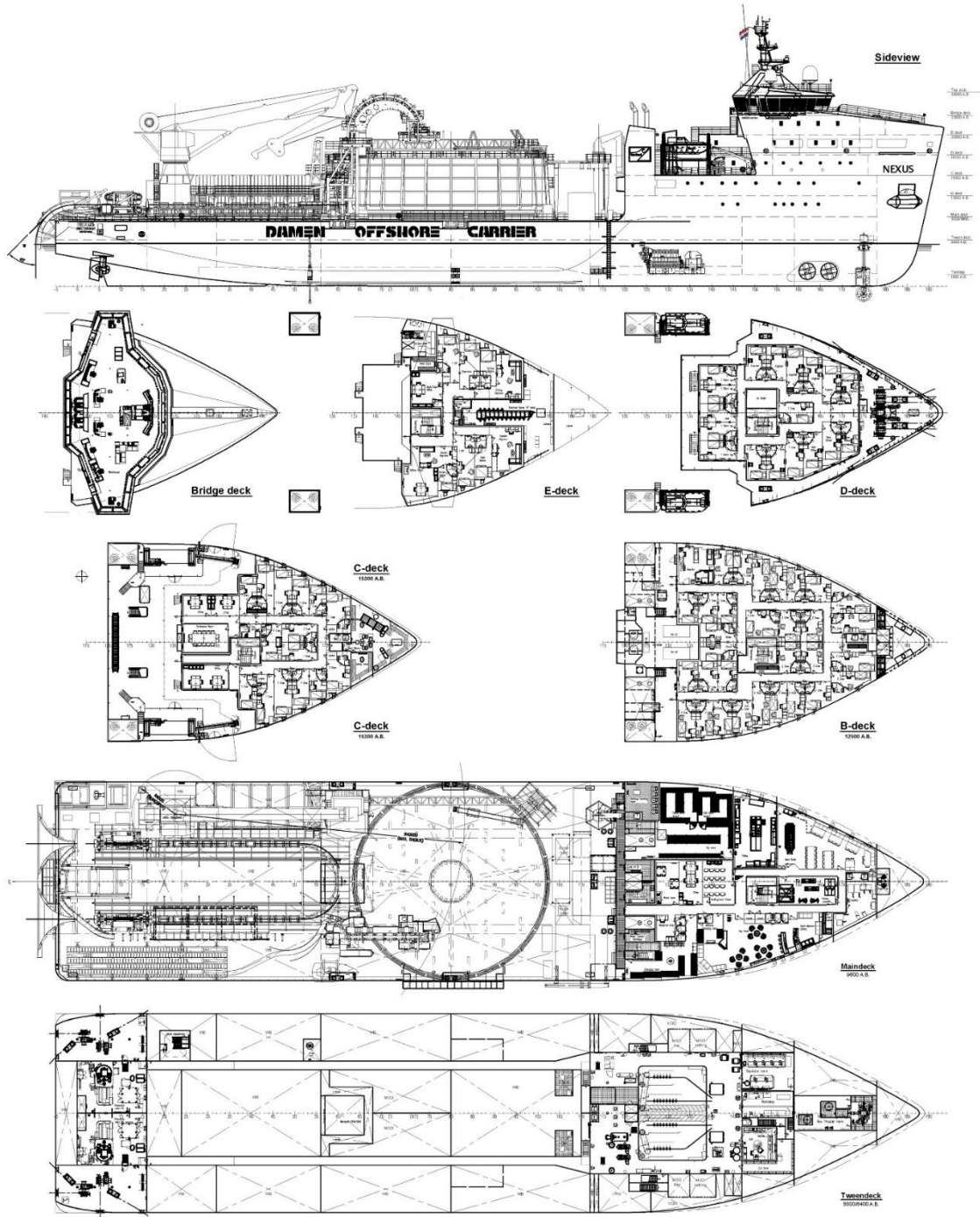
1 electric-hydraulic driven bow anchor winches
2 electric-hydraulic driven aft mooring winches
2 life boats, each 45 persons

ACCOMODATION

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

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