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, C.A.C1, I.W.S., W.D.L.
   • ECO (A, B.W.T., G.W., I.H.M., O.W., P)
   Descriptive note "Cable Layer"
   Dutch Flag

DIMENSIONS
LENGTH O.A. 119.08 m
LENGTH B.P.P. 112.01 m
BEAM MLD. 27.45 m
DEPTH MAIN DECK AT SIDE 9.00 m
SUMMERDRAFT 8.300 m
DEADWEIGHT 8,300 ton
GROSS TONNAGE 8,637 GT

CAPACITIES
FUEL MGO, INCL. SETTLING AND DAY TANK(S)
   System 1 (p.s.) appr. 1,000 m³
   System 2 (s.b.) appr. 120 m³
   POTABLE WATER appr. 13,400 m³
   BALLAST WATER appr. 30 m³
   LUBRICATION OIL appr. 50 m³
   DIRTY OIL appr. 25 m³
   SLUDGE appr. 50 m³
   SEWAGE appr. 50 m³
   COOLING WATER DRAIN appr. 20 m³
   BILGE WATER COLLECTING appr. 30 m³
   DRAIN WATER TANKS MAIN DECK 2 x each appr. 6 m³

PERFORMANCES
TRIAL SPEED AT SUMMER DRAFT @ 4200 kW 11.7 knots

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
   2 x 1,000 kW tunnel thruster, diameter 2,250 mm with 4 bladed FPP
   1 x 1,000 kW retractable azimuth, diameter 1750 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 selfcleaning purifier units MGO
   4 selfcleaning 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 fire fighting 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
2 electric-hydraulic driven bow anchor winches
1 electric-hydraulic driven bow anchor winches
4 electric-hydraulic driven mooring winches (2 fore, 2 aft)
2 life boats, each 45 persons

ACCOMMODATION
For captain, officers, crew and SPS for a total of 90 persons
DAMEN OFFSHORE CARRIER 8500

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