



DAMEN OFFSHORE CARRIER 8500

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, CAC1, I.W.S., W.D.L. ECO (A, B.W.T., G.W., IHM., 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	5.82 m
DEADWEIGHT	8,300 ton
GROSS TONNAGE	8,637 GT

CAPACITIES

FUEL MGO, INCL. SETTLING AND DAY TANK(S)	
System 1 (p.s.)	<i>appr.</i> 1,000 m ³
System 2 (s.b.)	<i>appr.</i> 120 m ³
POTABLE WATER	<i>appr.</i> 140 m ³
BALLAST WATER	<i>appr.</i> 13,400 m ³
LUBRICATION OIL	<i>appr.</i> 30 m ³
DIRTY OIL	<i>appr.</i> 25 m ³
SLUDGE	<i>appr.</i> 50 m ³
SEWAGE	<i>appr.</i> 50 m ³
COOLING WATER DRAIN	<i>appr.</i> 20 m ³
BILGE WATER COLLECTING	<i>appr.</i> 30 m ³
DRAIN WATER TANKS MAIN DECK	2 x each <i>appr.</i> 6 m ³

PERFORMANCES

TRIAL SPEED AT SUMMER DRAFT @ 4200 kW	11.7 knots
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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 THRUSTER	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

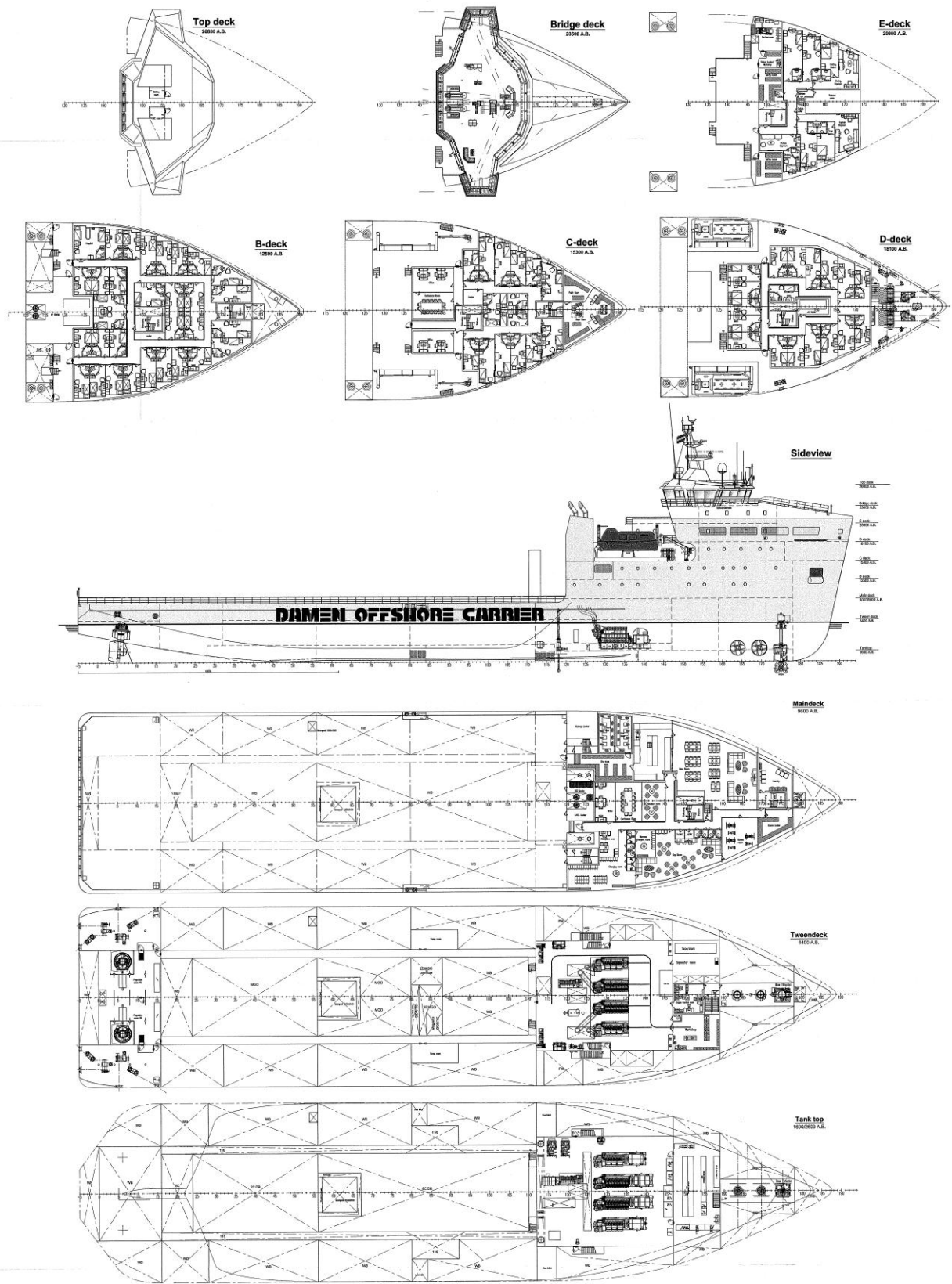
1 knuckle boom 100 ton @ 20 m
 1 stiff boom crane 4,5 ton @ 20 m
 1 basket carousel cable laying installation for 5,000t load
 1 small moonpool (1.5 x 1.3 m)
 1 large moonpool (5.4 x 5.4 m)
 1 support for A-frame

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



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DAMEN

DAMEN SHIPYARDS BERGUM

Member of the DAMEN SHIPYARDS GROUP



Damsingel 4 (Industrieterrein Zuid)
9262 NC SUMAR
The Netherlands

P.O. Box 7
9250 AA BURGUM

phone +31 (0)511 46 72 22
fax +31 (0)511 46 42 59

info@damen-bergum.nl
www.damen-bergum.nl