



DAMEN OFFSHORE CARRIER 8500

GENERAL

Yard number	553014
Delivery date	December 2014
Basic functions	Damen Offshore Carrier with 5000 ton cable laying installation
Classification	✳ 100A1 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.)	appr. 1.000 m ³
System 2 (s.b.)	appr. 120 m ³
Potable water	appr. 140 m ³
Ballast water	appr. 13,400 m ³
Lubricating oil	appr. 30 m ³
Dirty oil	appr. 25 m ³
Sludge	appr. 50 m ³
Sewage	appr. 50 m ³
Cooling water drain	appr. 20 m ³
Bilge water collecting	appr. 30 m ³
Drain water tanks main deck	2 x each appr. 6 m ³

PERFORMANCES

Trail speed at summer draft @ 4200 kW	11,7 knots
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PROPULSION SYSTEM

Main generators	2 x MAK 8 M25 (each 2560 kWe) & 2 x MAK 6 M25 (each 1912 kWe)
Thrusters	2 x 2100 kW azimuth, diameter 2650 mm with 4 bladed FPP
Bow thrusters	2 x 1000 kW tunnel thruster, diameter 2250 mm with 4 bladed FPP 1 x 1000 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 for MGO
- 4 selfcleaning purifier units for LO
- 1 sewage treatment plant
- 1 ballast water treatment plant.
- 2 fresh water generators
- 2 starting air compressors
- 1 bilge water separator
- 1 CO2 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

CARGO DECK LAY-OUT AND EQUIPMENT

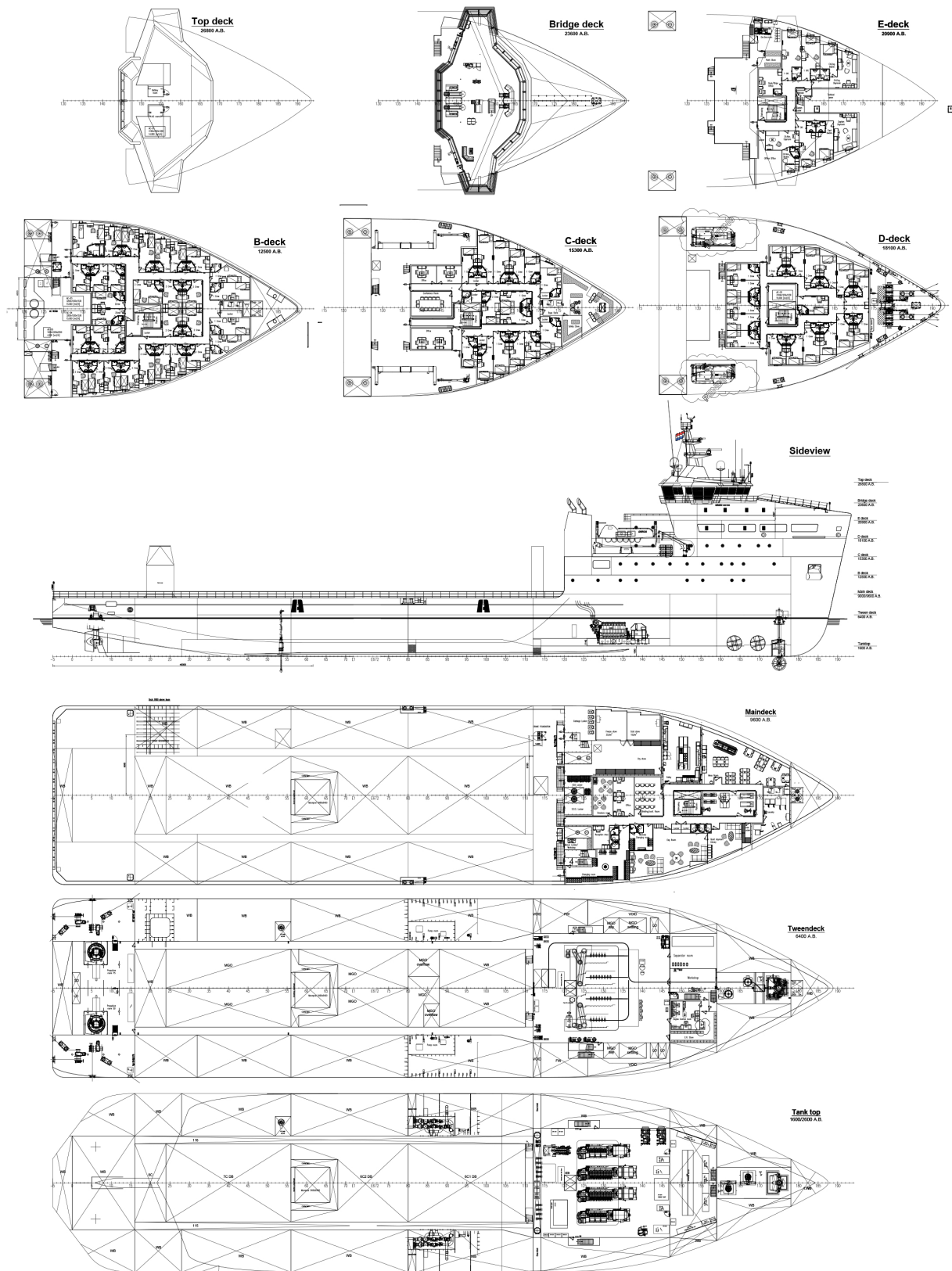
- 1 Knuckle boom 100 ton @ 20 m
- 1 Stiff boom crane 4,5 ton @ 20 m
- 1 Basket carousel cable laying installation for 5,000t
- 1 small moonpool (1.5 x 1.3 m)
- 1 large moonpool (5.4 x 5.4 m)
- 1 support for A-frame

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 and crew for a total of 90 persons.



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DAMEN

DAMEN SHIPYARDS BERGUM

Member of the DAMEN SHIPYARDS GROUP



Industrieterrein Zuid
Damsingel 4
9262 NC SUMAR

P.O. Box 7
9250 AA BURGUM
The Netherlands

Telephone +31 511 46 72 22
Fax +31 511 46 42 59

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