GENERAL
Basic functions
Offshore supply, towing and anchor handling operations
Classification
Lloyds Register
100 A1 Anchor Handler, Offshore Supply Ship, Tug, *IWS, LMC UMS DP(A)

DIMENSIONS
Length o.a. 74.10 m
Length b.p.p. 68.40 m
Beam mld. 18.50 m
Depth mld. 7.50 m
Draught summer (base) 6.00 m
Draught summer (keel) 6.60 m
Deadweight (summer) 2100 t
Cargo deck area 445 m²
Deck load (at 1 m above deck) 600 t

TANK CAPACITIES (APPROX.)
Ballast water 1125 m³
Fuel oil 900 m³
Potable water (service) 100 m³
Potable water (cargo) 400 m³
Chain lockers 320 m³

PERFORMANCES (APPROX.)
Speed (at summer draught) 14.2 kn
Bollard pull 150 t

PROPELLION SYSTEM
Main engines 4x MAN 6L27/38
Propulsion power 4x 2190 kW at 800 rpm
Propellers 2x 4100 mm, CPP in optima nozzels
Bow thruster 2x 650 kW, 1740mm, FPP
Stern thruster 1x 600 kW, 1740mm, FPP

AUXILIARY EQUIPMENT
Networks 690 V, 440 V, 230 V and 110 V
Shaft generators 2x 1000 kW at 1800rpm
Main generator sets 2x Caterpillar C18, 550 kW each at 1600 rpm, 690 V, 60 Hz
Emerg / harbour generator set 1x Caterpillar C2, 238 kW at 1800 rpm, 440 V, 60 Hz

DECK LAY-OUT
Deck crane 1x 6 t @ 14 m
Anchor mooring winch 1x 2.9 t @ 9 m / 1.6 t @ 16.4 m
AH/Towing winch 1x Electric-hydraulic, with rope drum and two warping heads
Secondary winch 2x electric, double drum, 300 t pull, 300 t brake, 3000 m of 86 mm wire
Towing pins 4x SWL, 150 t, hydraulic
Chain fork 2x SWL, 300 t, hydraulic
Stern roller 1x SWL, 300 t, split drum, ø 2.5 m, 5 m length
Tugger winches 2x electric, each 10 t pull
Capstans 2x electric-hydraulic, each 10 t pull

CARGO HANDLING SYSTEM
Ballast pump 2x 100 m³/hr at 3 bar
Fuel oil pump 1x 100 m³/hr at 9 bar
Fresh water pump 1x 100 m³/hr at 9 bar

ACCOMMODATION
Crew 16 persons
Passengers 9 persons

NAUTICAL AND COMMUNICATION EQUIPMENT
Radar systems 1x X-band + S-band
DP – system DP 2
GMDSS Area A3

OPTIONS
Fire Fighting Ship 1 or 2
Travelling cranes
Hybrid propulsion
Hydraulic AHT Winch
Extended accommodation
Transport of Liquid mud, brine, base oil and dry bulk
DAMEN ANCHOR HANDLING TUG SUPPLY 150
AHTS 150

DAMEN SHIPYARDS GORINCHEM

Member of the DAMEN SHIPYARDS GROUP

Industrieterrein Avelingen West 20
4202 MS Gorinchem
The Netherlands

P.O. Box 1
4200 AA Gorinchem
The Netherlands

phone +31 (0)183 63 99 11
info@damen.com

fax +31 (0)183 63 21 89
www.damen.com

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