



DAMEN ANCHOR HANDLING TUG SUPPLY 180

AHTS 18000

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(AM)

DIMENSIONS

Length o.a.	79.20 m
Length b.p.p.	73.50 m
Beam mld.	20.00 m
Depth mld.	8.40 m
Draught summer (base)	6.80 m
Draught summer (keel)	7.40 m
Deadweight (summer)	2700 t
Cargo deck area	545 m ²
Deck load (at 1 m above deck)	800 t

TANK CAPACITIES

Ballast water	900 m ³
Fuel oil	1045 m ³
Potable water (service)	220 m ³
Potable water (cargo)	540 m ³
Chain lockers	280 m ³

PERFORMANCES (APPROX.)

Speed (at summer draught)	15.4 kn
Bollard pull	180 t

PROPULSION SYSTEM

Main engines	4x MAN 7L27/38
Propulsion power	4x 2555 bkW
Propellers	2x 4300 mm, CPP in optima nozzels
Bow thruster	2x 750 kW, 1740mm, FPP
Stern thruster	1x 820 kW, 1740mm, FPP

AUXILIARY EQUIPMENT

Networks	690 V, 440 V and 230 V
Shaft generators	2x 1500 ekW at 1800rpm
Main generator sets	2x Caterpillar C18, 550 ekW each at 1800 rpm, 690 V, 60 Hz
Emerg./ harbour generator set	1x Caterpillar C9, 238 ekW at 1800 rpm, 440 V, 60 Hz

DECK LAY-OUT

Deck crane	1x 5 t @ 10 m 1x 2.9 t @ 9m / 1.6 t @ 16.4 m
Anchor mooring winch	1x Electric-hydraulic, with rope drum and two warping heads
AH/Towing winch	1x electric, double drum, 410 t pull, 450 t brake, 5600 m of 86 mm wire
Secondary winch	2x electric, 130 t pull, 130 t brake, 1100 m of 203 mm rope
Towing pins	4x SWL, 180 t, hydraulic
Chain fork	2x SWL, 500 t, hydraulic
Stern roller	1x SWL, 500 t, split drum, ø 3.0 m, 6 m length
Tugger winches	2x electric, each 15 t pull
Capstans	2x electric-hydraulic, each 10 t pull

CARGO HANDLING SYSTEM

Ballast pump	2x 100 m ³ /hr at 3 bar
Fuel oil pump	1x 100 m ³ /hr at 9 bar
Fresh water pump	1x 100 m ³ /hr at 9 bar

ACCOMMODATION

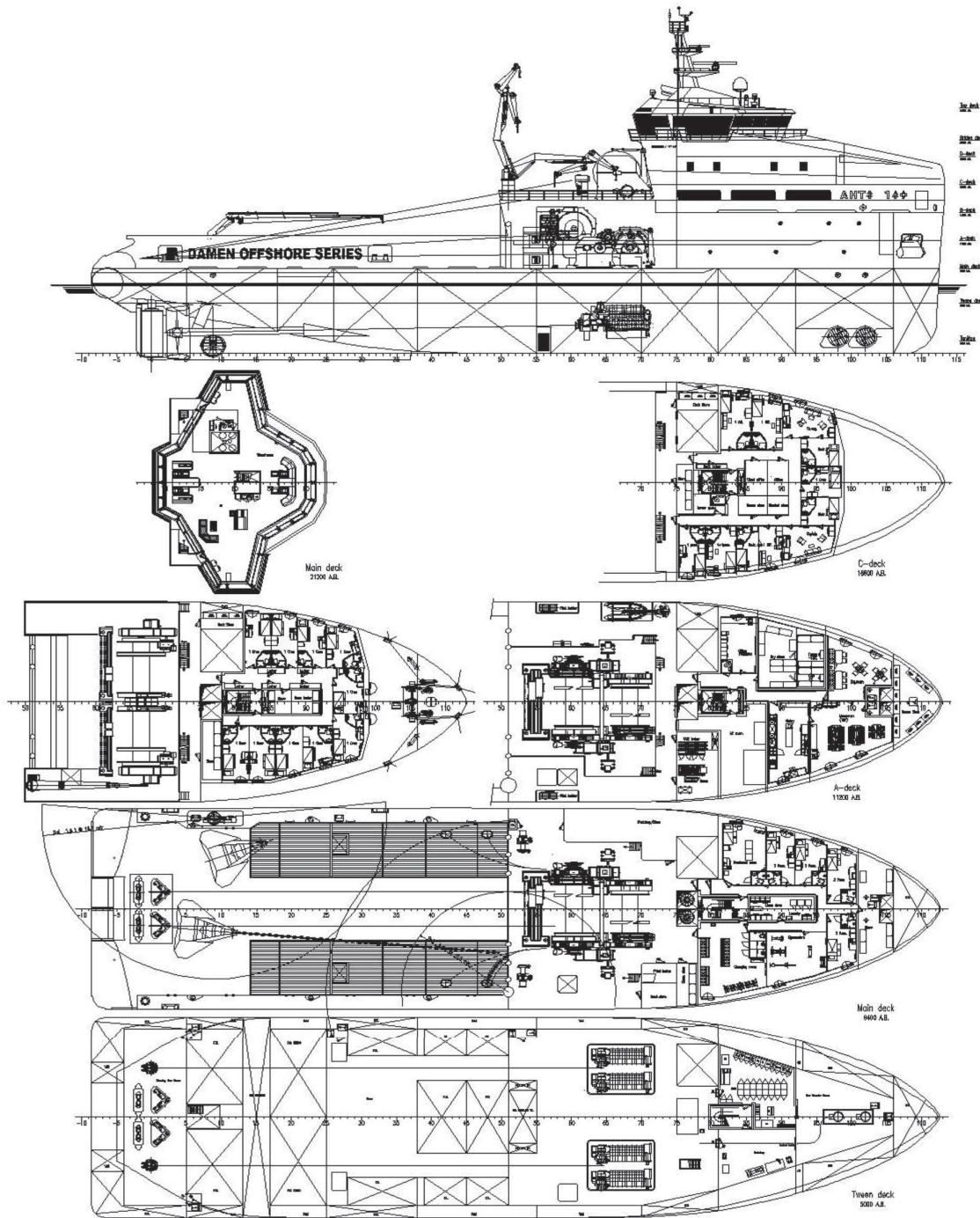
Crew	16 persons
Passengers	11 persons

NAUTICAL AND COMMUNICATION EQUIPMENT

Radar systems	1x X- band + S-band
DP – system	DP 1
GMDSS	Area A3

OPTIONS

Fire Fighting Ship 1 or 2
IMO DP Class 2
Travelling cranes
Hybrid propulsion
Hydraulic AHT Winch
Extended accommodation



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DAMEN

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