



DAMEN ANCHOR HANDLING TUG SUPPLY 150

AHTS 150

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(AA)

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 m ²
Deck load (at 1 m above deck)	600 t

TANK CAPACITIES (APPROX.)

Ballast water	1125 m ³
Fuel oil	900 m ³
Potable water (service)	100 m ³
Potable water (cargo)	400 m ³
Chain lockers	320 m ³

PERFORMANCES (APPROX.)

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

PROPULSION SYSTEM

Main engines	4x MAN 6L27/38
Propulsion power	4x 2190 bkW 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 ekW at 1800rpm
Main generator sets	2x Caterpillar C-18, 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 6 t @ 14 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, 300 t pull, 300 t brake, 3000 m of 86 mm wire
Secondary winch	2x electric, 130 t pull, 130 t brake, 1100 m of 152 mm rope
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 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

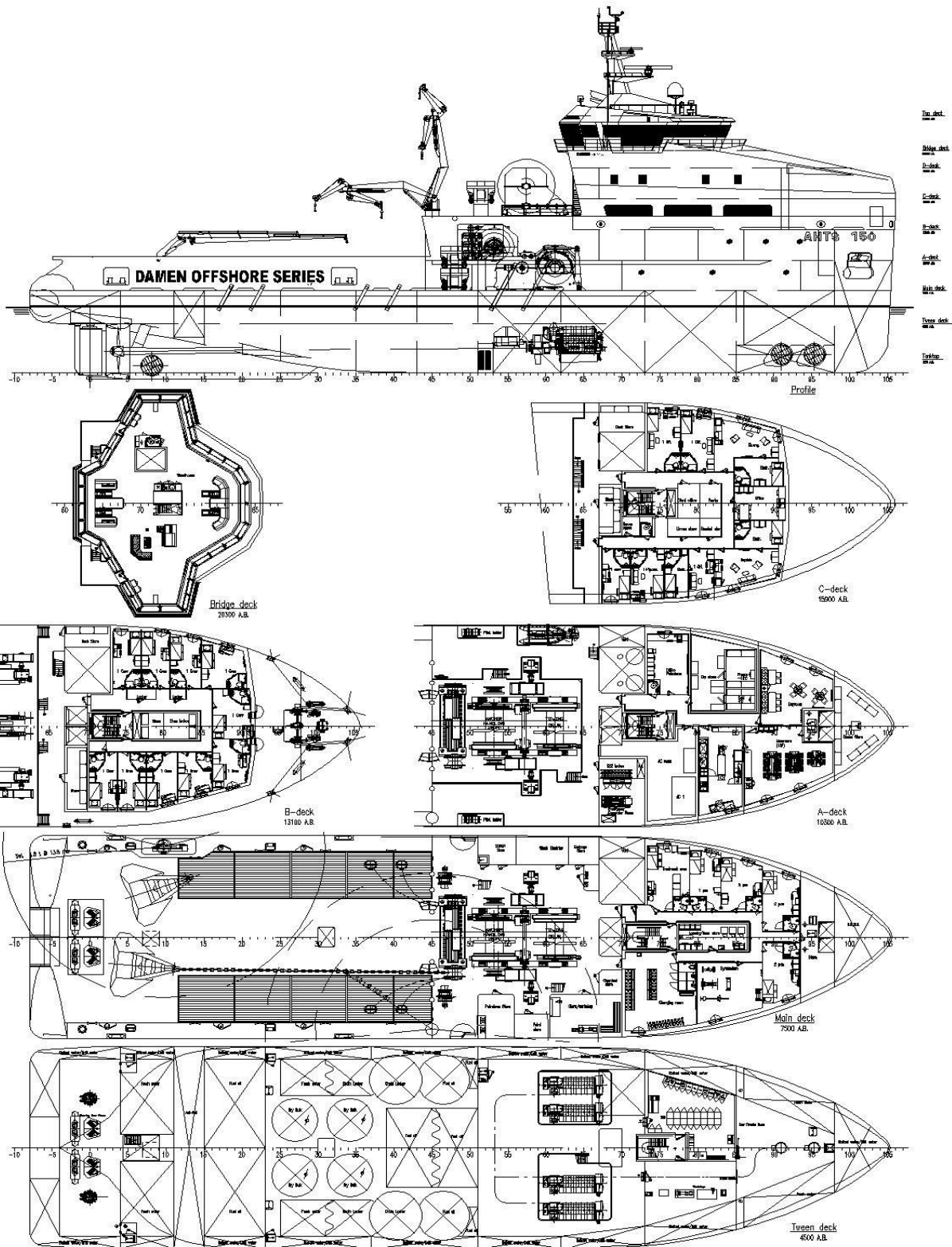
Crew	16 persons
Passengers	9 persons

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



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DAMEN

DAMEN SHIPYARDS GORINCHEM

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