



# DAMEN ANCHOR HANDLING TUG SUPPLY 150

## AHTS 15000

### 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.	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 <sup>2</sup>
Deck load (at 1 m above deck)	600 t

### TANK CAPACITIES

Ballast water	1125 m <sup>3</sup>
Fuel oil	920 m <sup>3</sup>
Potable water (service)	130 m <sup>3</sup>
Potable water (cargo)	390 m <sup>3</sup>
Chain lockers	180 m <sup>3</sup>

### 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 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, 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 <sup>3</sup> /hr at 3 bar
Fuel oil pump	1x 100 m <sup>3</sup> /hr at 9 bar
Fresh water pump	1x 100 m <sup>3</sup> /hr at 9 bar

### ACCOMMODATION

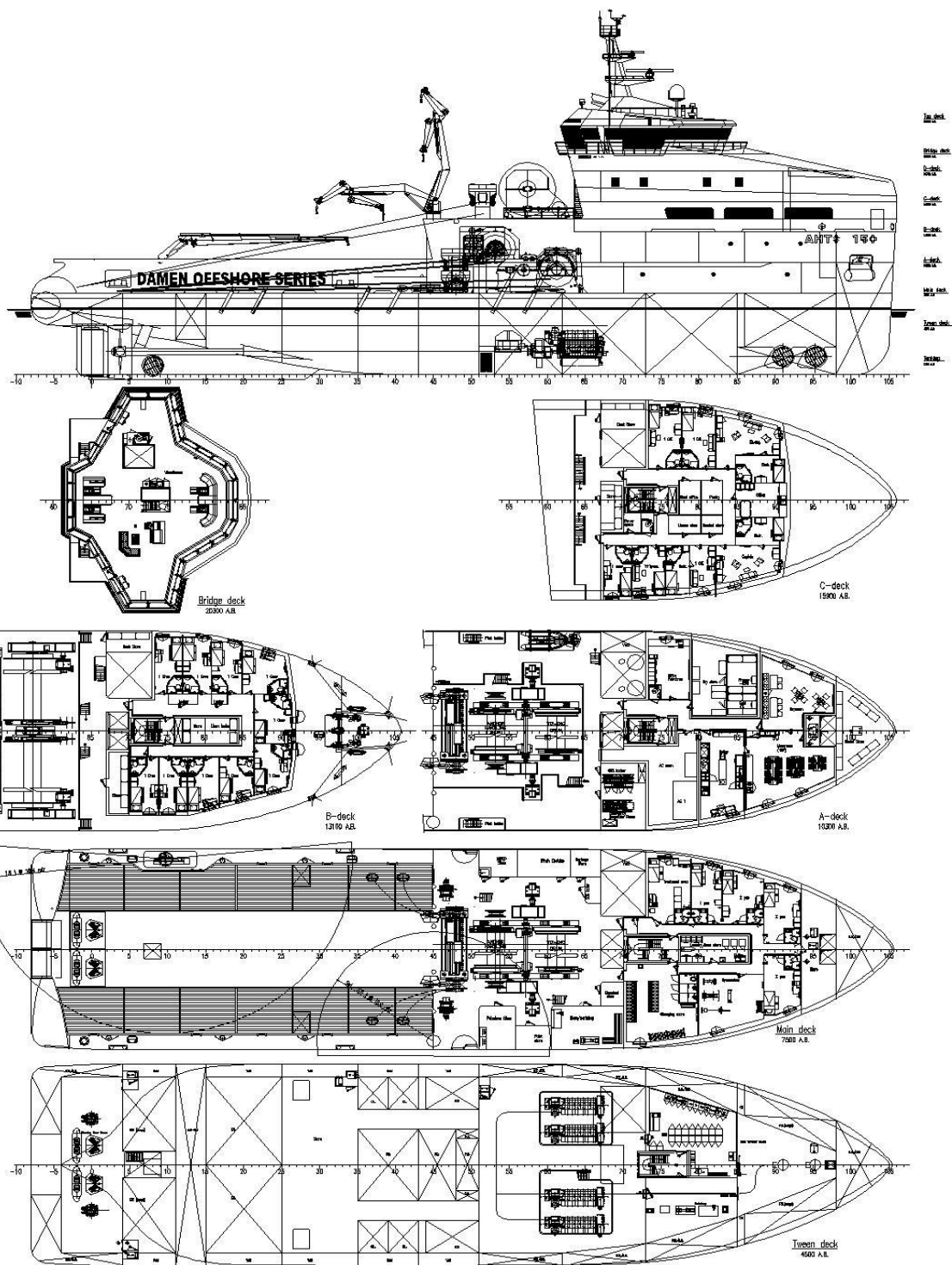
Crew	16 persons
Passengers	9 persons

### NAUTICAL AND COMMUNICATION EQUIPMENT

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