



DAMEN ANCHOR HANDLING TUG SUPPLY 120

AHTS 120

GENERAL

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

DIMENSIONS

Length o.a.	66.00 m
Length b.p.p.	62.42 m
Beam mld.	16.40 m
Depth mld.	6.80 m
Draught summer (base)	5.20 m
Draught summer (keel)	5.40 m
Deadweight (summer)	1650 t
Cargo deck area	400 m ²
Deck load (at 1 m above deck)	800 t

TANK CAPACITIES

Ballast water	950 m ³
Fuel oil (service)	250 m ³
Potable water	360 m ³
Fuel oil (cargo)	300 m ³
Dry Bulk	190 m ³
Liquid mud	475 m ³

PERFORMANCES (APPROX.)

Speed (at summer draught)	14.4 kn
Bollard pull	120 t

PROPULSION SYSTEM

Main engines	2x 3500 bkW at 750 rpm
Propellers	2x 3500 mm, CPP in optima nozzels
Bow thruster	2x 550 kW, 1650mm, FPP
Stern thruster	1x 550 kW, 1650mm, FPP

AUXILIARY EQUIPMENT

Networks	690 V, 440 V and 230 V
Shaft generators	2x 1200 ekW at 1800rpm
Main generator sets	2x 550 ekW each at 1800 rpm, 690 V, 60 Hz
Emerg./ harbour generator set	1x 138 ekW at 1800 rpm, 440 V, 60 Hz

DECK LAY-OUT

Deck crane	1x 5 t @ 12 m
Anchor mooring winch	1x Electric-hydraulic, with rope drum and two warping heads
AH/Towing winch	1x hydraulic, double drum, 200 t pull, 300 t brake, each 1500 mm of 76 mm wire
Towing pins	2x SWL, 100 t, hydraulic
Chain fork	1x SWL, 300 t, hydraulic
Stern roller	1x SWL, 300 t, ø 2.0 m, 5 m length
Tugger winches	2x electric, each 10 t pull
Capstans	2x hydraulic, each 5 t pull

CARGO HANDLING SYSTEM

Ballast pump	1x 100 m ³ /hr at 3 bar
Fuel oil pump	2x 100 m ³ /hr at 8 bar
Fresh water pump	1x 100 m ³ /hr at 8 bar
Liquid mud pump	2x 75 m ³ /hr at 8 bar

AUXILIARY SYSTEMS

FIFI pump	1x 3200 m ³ /hr at 11 bar (PTO driven)
FIFI monitors	2x 1200 m ³ /hr

ACCOMMODATION

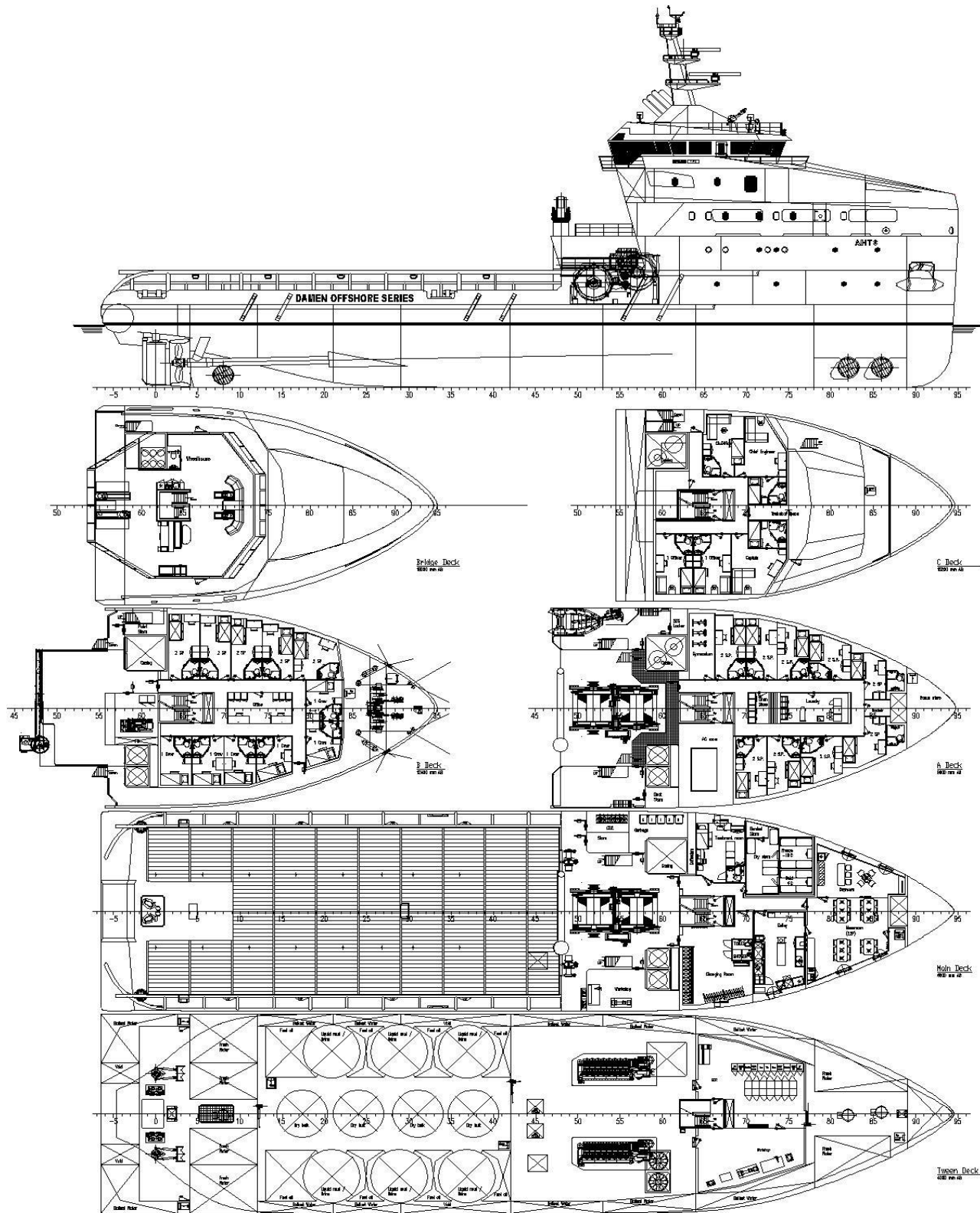
Crew	11 persons
Special personnel	28 persons

NAUTICAL AND COMMUNICATION EQUIPMENT

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

OPTIONS

Fire Fighting 1	
Low pressure Hydraulic or electric AHT Winch	
Hybrid propulsion	



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DAMEN SHIPYARDS GORINCHEM

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