



DAMEN MULTI ROLE AUXILIARY VESSEL 1600

MRAV 1600

GENERAL

Basic functions:	- Multi-functionality through mission-specific exchangeable equipment modules - Littoral and regional offshore
Classification	Lloyd's Register *100 A1, *LMC, UMS,DP(AM)

DIMENSIONS

Length o.a.	61.50 m
Length b.p.p.	56.70 m
Beam mld.	13.00 m
Depth mld.	6.10 m
Draught summer (base)	3.00 m
Deadweight (summer)	1600 t
Cargo deck area	280 m ²
Deck load (at 1 m above deck)	110 t

TANK CAPACITIES

Ballast water	170 m ³
Fuel oil (service)	300 m ³
Potable water (service)	130 m ³
Sewage	100 m ³

PERFORMANCES (APPROX.)

Speed (at summer draught)	14 kn
Bollard pull	30 t

PROPULSION SYSTEM

Main engines	Diesel-Electric, 440 V - 60 Hz
Propulsion power	4x 940 kW @ 1800 rpm
Propellers	2x 2400 mm azimuth type FPP propellers in nozzle
Bow thruster	2x 400 kW, 900 mm FPP
Rudders	2x Azimuth type rudder propellers;

AUXILIARY EQUIPMENT

Networks	440 V, 60 Hz 3 ph 220 V, 60 Hz 1 ph
Main generator sets	2x 175 kW @ 1800 rpm
Emerg. generator set	1x 99 kW @ 1800 rpm

DECK LAY-OUT

Anchor mooring winch	1x Electric-hydraulic anchor/mooring winch with 2x warping heads
Capstans	2x Electric, each 3 t pull
Deck crane	1x knuckle boom, 15t SWL @ 11 m
Store crane	1x knuckle boom, 1t SWL @ 10 m
A-frame	5 t SWL
Towing	Smith bracket
Fast rescue craft	2x Damen inboard/outboard RHIB 750

ACCOMMODATION

Crew	13 persons
Special personnel	30 persons

NAUTICAL AND COMMUNICATION EQUIPMENT

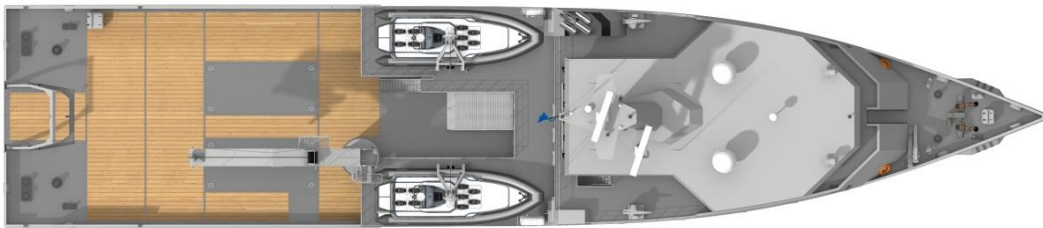
Radar systems	2x X-band
GMDSS	Area A2

HYDROLOGICAL AND OCEANOGRAPHIC EQUIPMENT

Multi-beam sonar	3 m - 3500 m
Under water acoustic positioning	2x
Motion reference	2x

MISSION AND CARGO CONTAINERS

Container capacity	6x 20 ft. standard container
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DAMEN

DAMEN SHIPYARDS GORINCHEM

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