



DAMEN MULTI ROLE AUXILIARY VESSEL 660

MRAV 660

GENERAL

Basic functions:	- Multi-functionality through mission-specific exchangeable equipment modules - Coastal, (very) shallow and inland waters
Classification	Lloyd's Register ✱100 A1, ✱LMC, UMS

DIMENSIONS

Length o.a.	42.60 m
Length b.p.p.	39.80 m
Beam mld.	11.50 m
Depth mld.	4.00 m
Draught summer (base)	1.90 m
Cargo deck area	170 m ²
Deck load (at 1 m above deck)	30 t

TANK CAPACITIES

Ballast water	120 m ³
Fuel oil (service)	45 m ³
Potable water (service)	43 m ³
Sewage	18 m ³

PERFORMANCES (APPROX.)

Speed (at summer draught)	10 kn
Bollard pull	10 t

PROPULSION SYSTEM

Propulsion system	Diesel Hybrid 440 V - 60 Hz
Propulsion power	2x 441 kW @ 1900 rpm 2x 70 kW PTI on gearbox
Propellers	2x 1400 mm FPP propellers in nozzle
Bow thruster	1x 150 kW, 900 mm FPP
Rudders	2x Fishtail independent steering gear with electronic coupling

AUXILIARY EQUIPMENT

Networks	440 V, 60 Hz 3 ph 220 V, 60 Hz 1 ph
Main generator sets	3x 139 ekW @ 1800 rpm
Emergency generator set	1x 88 ekW @ 1800 rpm

DECK LAY-OUT

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

ACCOMMODATION

Crew	8 persons
Special personnel	15 persons

NAUTICAL AND COMMUNICATION EQUIPMENT

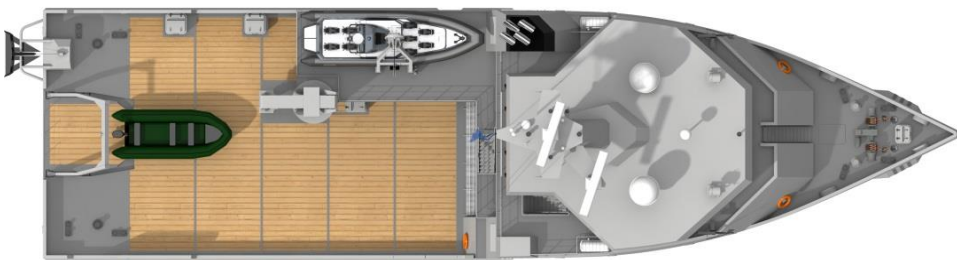
Radar systems	2x X-band
GMDSS	Area A1

HYDROLOGICAL AND OCEANOGRAPHIC EQUIPMENT

Multi-beam sonar	0.5 m - 200 m
Under water acoustic positioning	1x
Motion reference	2x

MISSION AND CARGO CONTAINERS

Container capacity	4x 20 ft. standard container
--------------------	------------------------------



MULTI ROLE AUXILIARY VESSEL 660

MRAV 660

DAMEN

DAMEN SHIPYARDS GORINCHEM

Member of the DAMEN SHIPYARDS GROUP



Industrieterrein Avelingen West 20
4202 MS Gorinchem

P.O. Box 1
4200 AA Gorinchem
The Netherlands

phone +31 (0)183 63 99 11
fax +31 (0)183 63 21 89

info@damen.com
www.damen.com