



DAMEN OFFSHORE PATROL VESSEL 1800

GENERAL

BASIC FUNCTIONS

Border and EEZ surveillance
 Counter piracy and smuggling
 Counter drugs- and weapons trafficking
 SAR
 Fishery inspection
 Disaster relief
 Logistic support
 ✕100A1, ✕LMC, UMS "Patrol Vessel"

CLASSIFICATION

DIMENSIONS

LENGTH O.A. 83.00 m
 BEAM MLD. 13.70 m
 DEPTH MLD. 6.80 m
 DRAUGHT (DESIGN) 3.75 m
 DISPLACEMENT 1890 t

TANK CAPACITIES

FUEL OIL approx. 200m³
 FRESH WATER approx 50m³, in addition to FW gen.plant

PERFORMANCES

TRIAL SPEED (MAX.) 22.0 kn
 ENDURANCE AT 12 KN 5000 nm, 30 days

SEAKEEPING

FULLY OPERATIONAL Up to and including SS 6
 SURVIVING Sea State 9 and wind bf 12
 STABILITY SYSTEM Active fin stabilizing system

PROPULSION SYSTEM

MAIN ENGINES 4x 2350 kW each
 PROPELLER 2x CPP, diam. 3000 mm
 BOW THRUSTER 1x FPP, E-motor, 350 kW

AUXILIARY EQUIPMENT

POWER GENERATION 3x 425 ekW
 EMERGENCY GEN. SET 1x 150 ekW

OPERATIONAL CAPACITIES

Spacious bridge, separate OPS room for surveillance and gun control.
 Flight deck, hangar and refuelling for helicopter size up to Sea King or NH90.
 Wave compensated davits (up to sea state 5) for 2x 9.0 m interceptors / boarding boats (+35 kn speed).
 Fore ship incl. store crane facilities.
 Below-deck spaces - multi-role or dedicated - for accommodation of survivors or embarked forces, storage of mission equipment and packaged goods.
 Aft deck space for 2 containerized mission modules.
 Meeting room, briefing room, flight office and ship's office.

ACCOMMODATION

Fully heated and air-conditioned accommodation for 46 crew in single, double and four berth bedrooms, mess rooms, recreation area, galley, laundry, gymnasium and sickbay with treatment and recovery area for 4 pers.

NAUTICAL AND COMMUNICATION EQUIPMENT

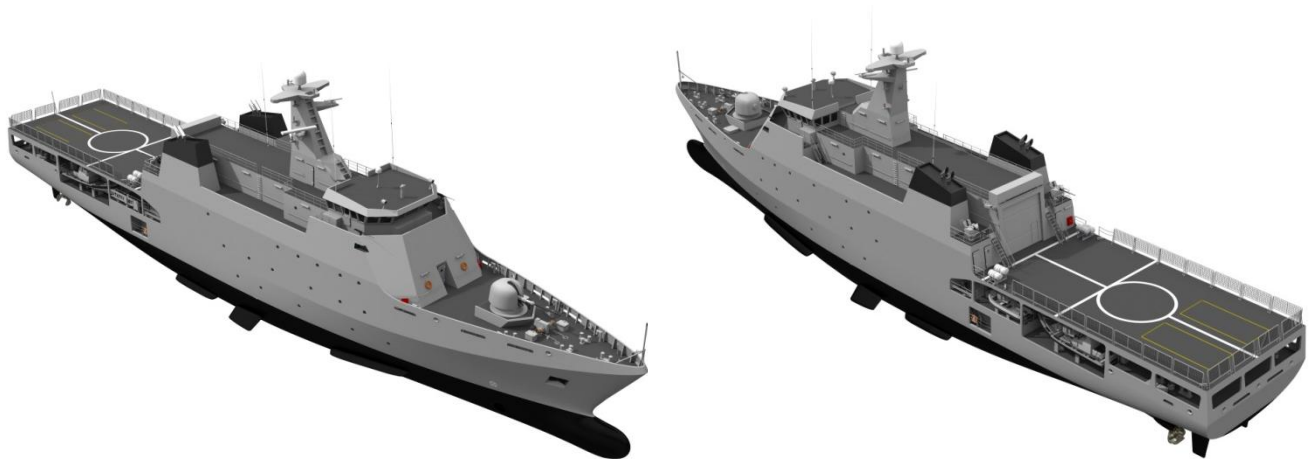
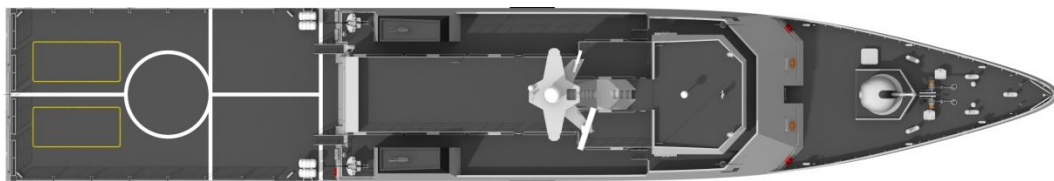
Radio equipment according to GMDSS rules for Area A3 incl. Satcom C and F77, UHF and HF receivers.
 Nautical equipment incl. Integrated bridge system with X and S-band radars, ECDIS, Gyro, DGPS, Speedlog, Autopilot, Echo sounder, Navtex etc.

ARMAMENT AND SENSORS

Main gun up to 76 mm on fore ship
 Secondary guns, 2x 20 mm
 Medium range surv. radar
 E/O fire control sensor
 The vessel is fitted for required armament and sensors, and fitted with the necessary ammunition stores, data/electrical support systems

SAFETY, SURVIVABILITY

Survivability to either DDS 079, 2-compartment damage stability, or IMO stability req., + Special Purpose Ship-code damage stability if applicable.
 Main engines and generator sets distributed over 2 separate engine rooms.



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DAMEN

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