GENERAL

BASIC FUNCTIONS

Border and EEZ surveillance
Counter piracy and smuggling
Counter drugs- and weapons trafficking
SAR
Fishery inspection
Disaster relief
Logistic support

CLASSIFICATION

100A1, LMC, UMS “Patrol Vessel”

DIMENSIONS

LENGTH O.A. 72.00 m
BEAM MLD. 12.70 m
DEPTH MLD. 6.20 m
DRAUGHT (DESIGN) 3.75 m
DISPLACEMENT 1470 t

TANK CAPACITIES

FUEL OIL approx. 180 m³
FRESH WATER approx 50 m³, in addition to FW gen.plant

PERFORMANCES

TRIAL SPEED (MAX.) 21.0 kn
ENDURANCE AT 12 Kn 4000 nm, 25 days

SEAKEEPING

FULLY OPERATIONAL Up to and including SS 6
SURVIVING Sea State 9 and wind bf 12
ACTIVE FIN STABILIZING SYSTEM

PROPULSION SYSTEM

MAIN ENGINES 4x 1765 kW each
PROPELLER 2x CPP, diam. 2800 mm
BOW THRUSTER 1x FPP, E-motor, 250 kW

AUXILIARY EQUIPMENT

POWER GENERATION 2x 400 ekW
EMERGENCY GEN. SET 1x 100 ekW

OPERATIONAL CAPACITIES

Spacious bridge, separate OPS room for surveillance and gun control.
Flight deck, telescopic hangar and refuelling for helicopter size up to Lynx Wildcat or Kaman SH-2G Super Seasprite.
2x 9.0 m interceptors / boarding boats (+35 kn speed). One is handled by a wave compensated davit (up to sea state 5). The other is launched/retrieved from a transom slipway with visor door, of which over 25 are in service on Damen-built vessels.
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 1 containerized mission modules. Meeting /briefing room and ship’s office.

ACCOMMODATION

Fully heated and air-conditioned accommodation for 35 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 12.7 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.
Vessel shown with hangar in extended position.

DAMEN OFFSHORE PATROL VESSEL 1400