

# ALFA 3000

Existing well proven design with powerful combat system

- **Economic Exclusive Zone (EEZ) monitoring & surveillance with helicopter operations**
- **Merchant shipping control**
- **Search and rescue operations**
- **Anti-Surface, Anti-Air, Anti-Submarine and Asymmetric warfare operations**
- **Naval gunfire support**
- **Warfare and intelligence gathering**



 **Navantia**  
Your partner at sea

## MAIN CHARACTERISTICS

- Length Overall ..... 104.20 m
- Length Between Perpendiculars ..... 93 m
- Maximum Breadth ..... 14.40 m
- Depth to Main Deck ..... 7.35 m
- Design Draught ..... 4.32 m
- Maximum Speed ..... 27 kt
- Range ..... 5,000 nm (15 kt)
- Accommodation ..... 102



## PROPULSION AND ELECTRIC PLANT

- CODAD Propulsion Plant
- 4 x 5920kW four-stroke Marine Propulsion Diesel Engines
- 2 x Reduction Gears
- 2 x Controllable Pitch Propellers
- 4 x 660 kWe Diesel Generator Sets (2 Independent Power Stations)

## INTEGRATED SYSTEMS

- Integrated Navigation System (Integrated bridge: AIS, ARPA Console, Auto-Pilot System, WECDIS System)
- Communications System: Integrated Communications Control System (ICCS), External and Internal Communications System
- Integrated Platform Management System (IPMS)

## SENSORS

- 1 x 3D Air-Surface Surveillance Radar
- 1 x Navigation Radar System (X-Band)
- 1 x Navigation Radar System (S-Band)
- IFF Combined Interrogator and Transponder System
- Electro-Optical Surveillance System (EOSS)
- 1 x Towed Array Sonar
- Radar Band Electronic Counter Measures (EW/RECM) System
- Communications Band Electronic Counter Measures (EW/CECM) System
- 1 x Electro-Optical Gun Fire Control System
- 1 x Radar & Electro-Optical Fire Control System
- Surface to Air-Missile (SAM) Fire Control System ("Up-Link")

## WEAPONS

- Surface to Air Missile (SAM) Vertical Launching System (16 cells)
- 2 x Quadruple launchers for Surface to Surface Missile (SSM) (8 cells)
- 1 x 76 mm Medium Range Gun
- 1 x 35 mm Gun CIWS
- 2 x 20 mm RWS
- Decoy launcher System
- 2 x Triple Torpedo Launchers (6 tubes)

## HELICOPTER & RHIBS OPERATION

- 2 x RHIBs
- Flight deck with VERTREP capabilities designed for a MH-60R helicopter
- Hangar designed for a MH-60R helicopter



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