

ALPHA 3000 CORVETTE

Proven Design with Powerful Combat System
Integrating Anti-Air, Surface, Submarine,
Electronic, and Asymmetric Warfare Operations

- ✘ High level of automation and survivability enabling reduced crew.
- ✘ Helicopter facilities inc. hangar suitable for MH-60R helicopter and UAV
Camcopter operation.
- ✘ High commonality (+70%) with other Navantia designed RAN ships in systems,
equipment and design criteria .
- ✘ Excellent seakeeping characteristics (\leq SS5/6, helo operations SS4).
- ✘ High-performance design with 5 units contracted to Royal Saudi Naval Forces, two
in operation with the remainder to be commissioned in 2023.
- ✘ Offering includes first-class life cycle operational support and significant cost
savings from existing synergies between programs.
- ✘ Ship systems design approval and construction supervision according to a
recognised IACS Classification Society (Lloyd's register).

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- ✘ Excellent seakeeping characteristics (able to operate up to SS5/6, helo operations SS4).
- ✘ Helicopter facilities including hangar suitable for 11tn helicopters and facilities to operate UAV Camcopter (Schiebel).
- ✘ Designed to operate in high sea temperatures and extreme weather conditions.

Propulsion and Electrical Plant

- ✘ CODAD Propulsion Plant
- ✘ 4 x 5920kW 4-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)

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 and RHIBs Operation

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

Main Characteristics

Length	104m
Max beam	14.4m
Max speed	+27kn
Capacity	102p
Range	5000nm
Endurance	+20d

