

Sigma 9813

CORVETTE / LIGHT FRIGATE



General

Yard numbers	406 & 407
Customer	Royal Moroccan Navy
Basic functions	Naval Patrol EEZ Deterrence Search and Rescue (SAR) ASW, AAW, ASUW and EW
Hull material	Steel grade A/AH36
Standards	Naval/Commercial, naval intact/damaged stability, noise reduced, moderate shock
Classification	Lloyd's Register of Shipping (supervision) *100 A1 SSC Mono Patrol, G6, LMC UMS

Dimensions

Length o.a.	97.91 m
Beam mld	13.02 m
Depth no.1 deck	8.75 m
Draught (dwl)	3.60 m
Displacement (dwl)	1950 tonnes

Tank capacities

Fuel oil	260 m ³
Freshwater	30 m ³
Helicopter fuel	16 m ³

Performance

Speed (max.)	27.5 kn
Range @ 18 knots	4000 nm
Endurance	20 days at sea

Propulsion system

Diesel engines	2 x 8100 kW MCR (8910 kW max)
Gearbox	2 x single input / single output
Propellers	2 x CPP Ø 3.35 m

Auxiliary systems

Generator sets	4 x 435 kVA / 60 Hz
Emergency generator	1 x 150 kVA / 60 Hz
Chilled water	2 x units, redundant distribution
Fire Fighting	3 x main pumps + 1 x service pump
Fin stabilization	

Deck equipment

Helicopter deck	max. 9 tons helicopter, with lashing points
Heli operations	day/night with refuelling system
Helicopter hangar	
RAS on helicopter deck	PS&SB, astern fuelling
Deck Cranes	2 x 1.5 tonnes @ 6 m
Boats	2 x RHIB

Accommodation

Complement	91
Commanding Officer	1
Officers	22
Chief Petty Officers	16
Senior Ratings	25
Junior Ratings	27
Fully air-conditioned	
Provisions for NBC citadel / decontamination	

Weapon & sensor suite

3D-Surveillance & Target Indication Radar & IFF
Helicopter Approach Radar
Radar / Electro Optical Fire Control
2 x Target Designation System
Hull mounted sonar
Combat Management System
Medium calibre gun 76 mm
2 x small calibre gun
2 x SSM launcher
12 cell VL SHORADS
2 x triple torpedo launcher
ESM & ECM
2 x decoys/chaff
Integrated internal & external communication system

Nautical equipment

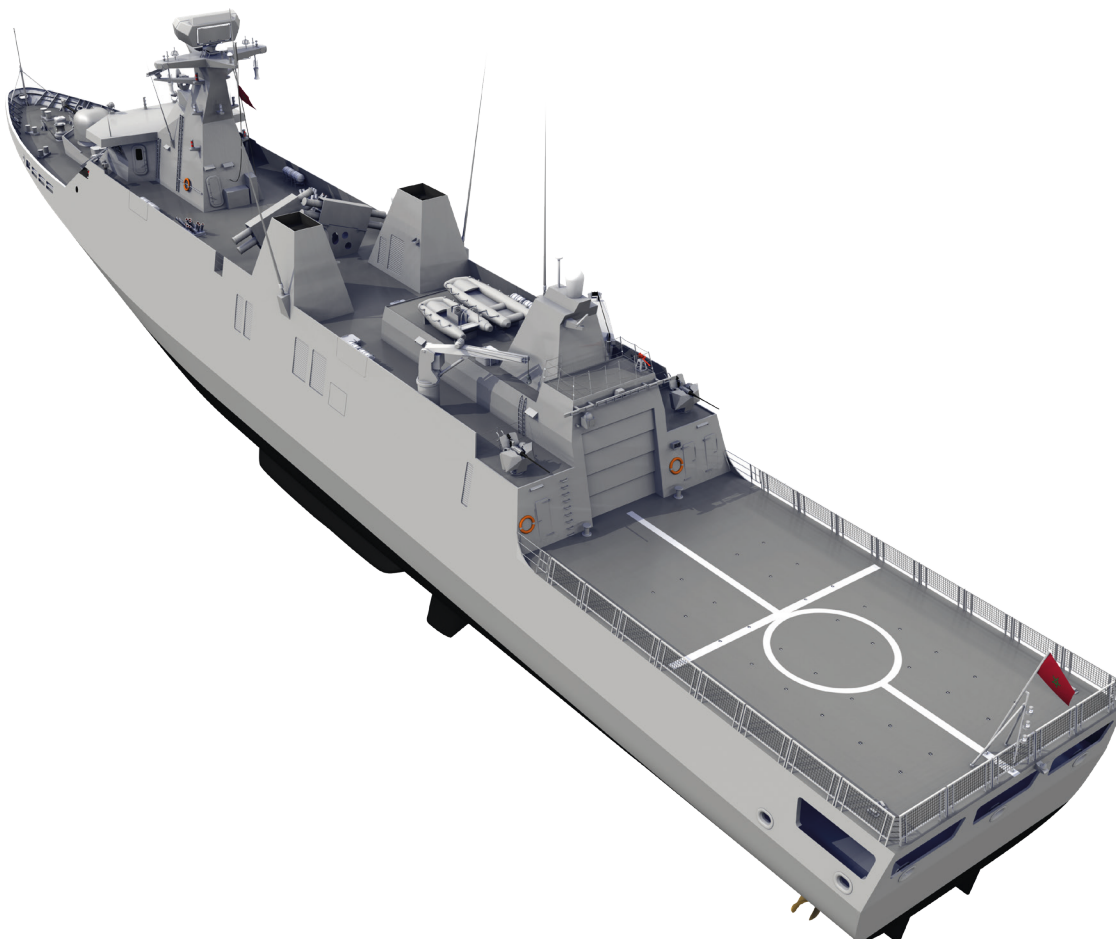
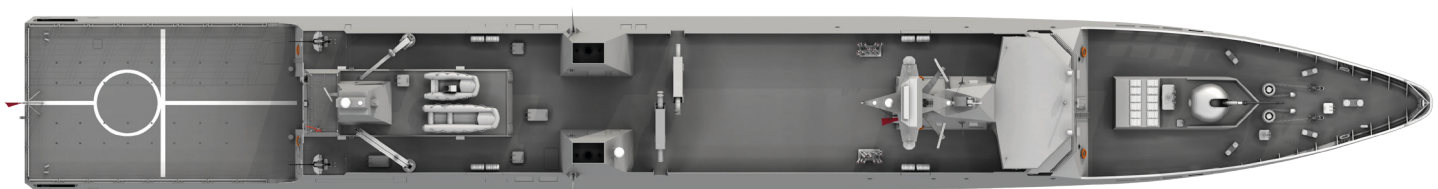
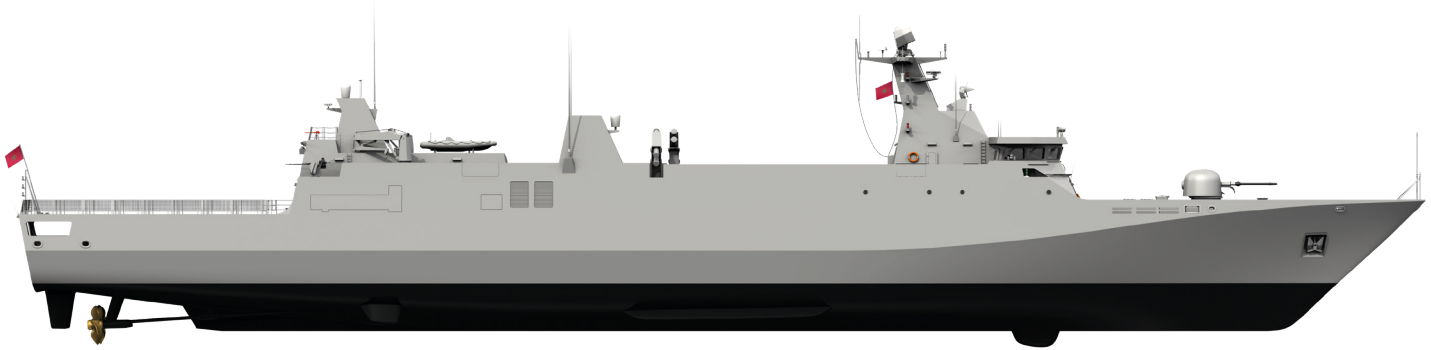
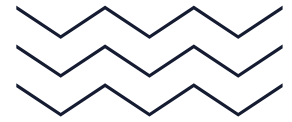
Integrated Bridge Console
2 x Radar
2 x ECDIS
GMDSS-A3
Reference gyro

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