



DAMEN SCHELDE NAVAL SHIPBUILDING

SIGMA NAVAL PATROL 9113 "CORVETTE"

GENERAL

Yard reference	YN 397, 398, 399 and 400
Customer	Indonesian Navy
Basic functions	Naval Patrol EEZ, deterrence, Search And Rescue, ASW
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

DIMENSIONS

Length o.a.	90.71 m
Beam mld	13.02 m
Depth no.1 deck	8.75 m
Draught (dwl)	3.60 m
Displacement (dwl)	1700 tonnes

TANK CAPACITIES

Fuel oil	217 m ³
Freshwater	31 m ³
Helicopter fuel	16 m ³

PERFORMANCE

Speed (maximum power)	28 knots
Range at 14/18 knots	4800 / 3600 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 diameter 3.35 m

AUXILIARY SYSTEMS

Generator sets	4 x 400 kVA / 60 Hz
Emergency gen. set	1 x 130 kVA / 60 Hz
Chilled water system	2 x units, redundant distribution
Fire fighting	3 x main pumps +1 x service pump
Passive roll-stabilization tank	

DECK EQUIPMENT

Helicopter deck	max. 5 tons helicopter, with lashing points
Heli operations	day/night with refuelling system
RAS	on helicopter deck PS&SB, astern fuelling
Deck cranes	2 x 1.5 tonnes at 6.0 m
Boats	2 x RHIB

ACCOMMODATION

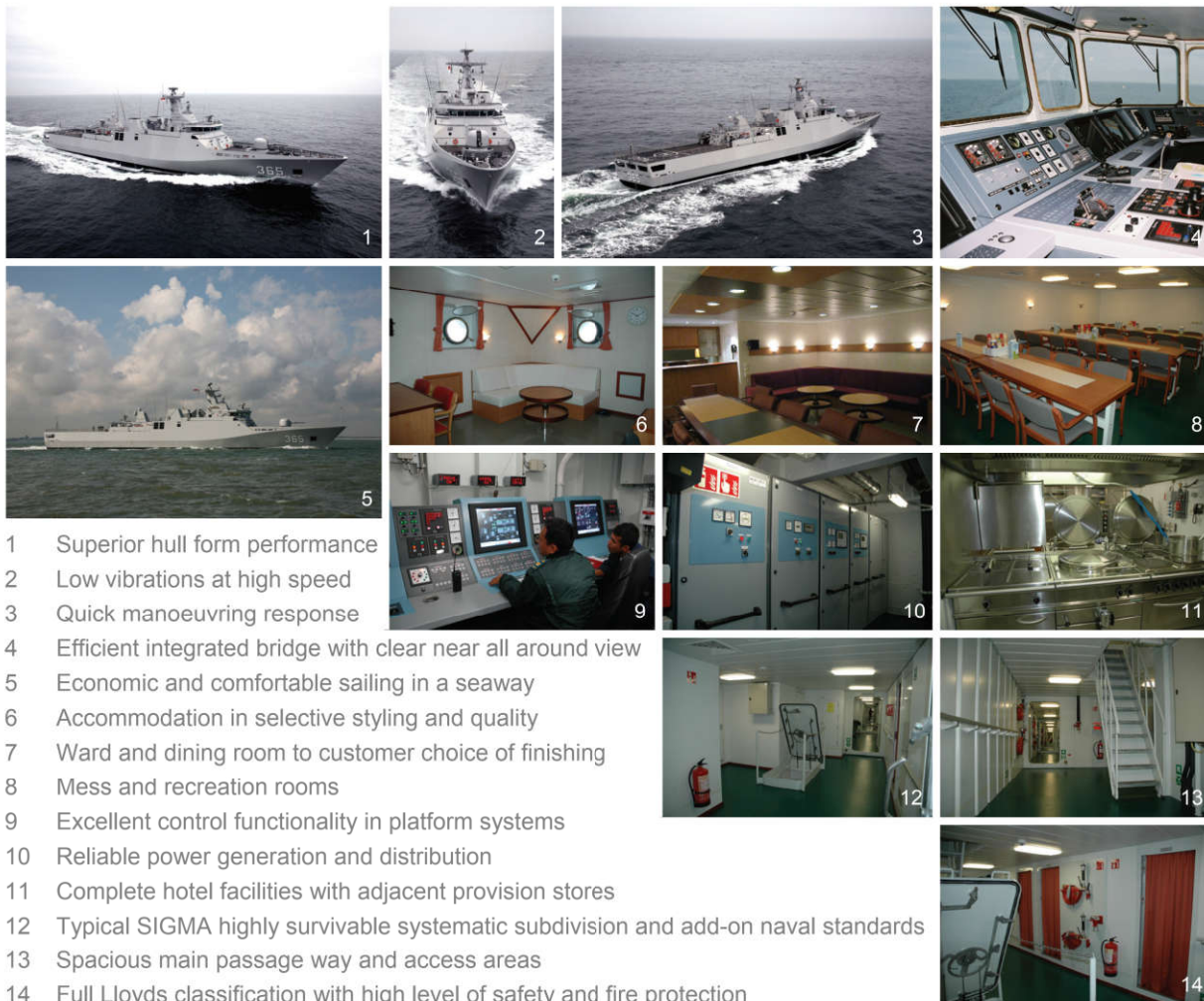
Fully air-conditioned accommodation for 80 persons	
Commanding Officer	1
Officers	17
Chief Petty Officers	10
Petty Officers	25
Junior Ratings	27
Provisions for NBC citadel / decontamination	

WEAPON & SENSOR SUITE

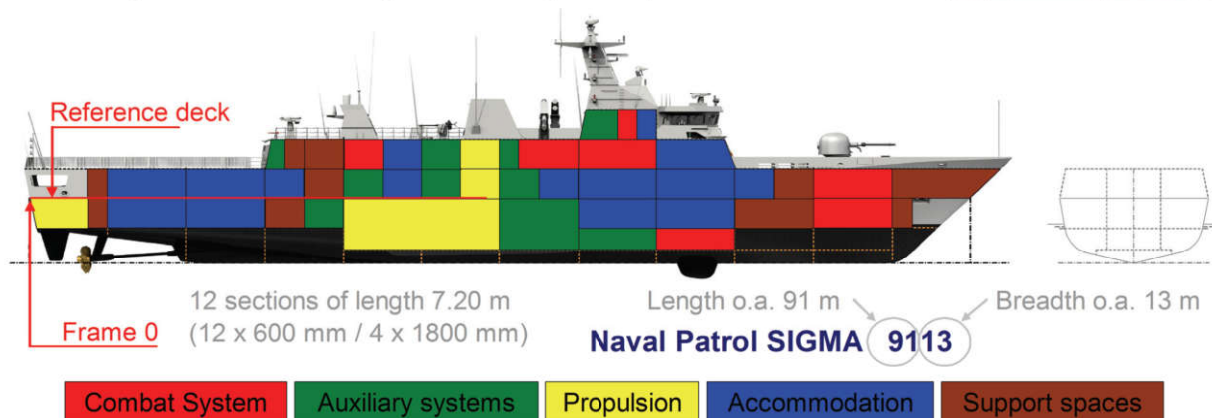
3D-Surveillance & target indication radar & IFF	
Radar / electro-optical fire control	
2 x Target Designation System	
Hull mounted sonar	
Combat management system, CIC	
Medium calibre gun	
2 x small calibre guns	
2 x SSM Launcher	
2 x SHORADS	
2 x triple Torpedo launcher	
ESM / ECM	
2 x Decoys / chaff	
Integrated internal & external communication system	

NAUTICAL EQUIPMENT

Integrated bridge console, 1 x Radar, 2 x ECDIS, GMDSS-A3, reference gyro	
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- 1 Superior hull form performance
- 2 Low vibrations at high speed
- 3 Quick manoeuvring response
- 4 Efficient integrated bridge with clear near all around view
- 5 Economic and comfortable sailing in a seaway
- 6 Accommodation in selective styling and quality
- 7 Ward and dining room to customer choice of finishing
- 8 Mess and recreation rooms
- 9 Excellent control functionality in platform systems
- 10 Reliable power generation and distribution
- 11 Complete hotel facilities with adjacent provision stores
- 12 Typical SIGMA highly survivable systematic subdivision and add-on naval standards
- 13 Spacious main passage way and access areas
- 14 Full Lloyds classification with high level of safety and fire protection



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DAMEN

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Member of the DAMEN SHIPYARDS GROUP



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