

Sigma Multi Mission Frigate 12516

SIGMA 12516



Dimensions

Length overall	128.40 m
Beam mld	16.50 m
Draught (dwl)	4.60 m
Displacement	4600 tonnes

Performance

Speed maximum power	27 knots
Electric Drive/ Cruising	15 knots
Range at Economical speed	5000 NM
Endurance	30 days

Propulsion system

Configuration	CODLOG *
Gasturbine	1 x 22 MW
Electric motors	2 x Direct coupled (low speed)
Arrangement	ER divided into FWD, AFT and GB Engine rooms

Gearbox	1 x Single input/double output
Shaft Lines and propellers	2 x shafts, 2 x CPP

* CODLAG/CODAD/CODLAD upon request

Auxiliary systems

Generator sets	4 x Main Diesel Generators
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Deck equipment

Boats	2 x 12 m RHIB with Davits / USV
Helicopter Deck	suited for 11t helicopter
Helo operations	day / night with refuelling
Hangar	suited for NH-90 or equivalent
	dedicated UAV hangar
	liquids (fuel+water) and solids
RAS/FAS	

Accommodation

Fully air-conditioned accommodation for 174 persons

Commanding Officer	1
Executive Officer	1
Officers	36
Chief Petty Officers	30
Petty Officers	40
Junior Ratings	66

NBC citadel with two decontamination stations

Weapon & sensor suite

3D-Surveillance & target indication radar & IFF

Multi Function Radar

2 x Radar/EO Fire Control

2 x Target Designation Sight

Hull Mounted Sonar

Variable Depth Sonar (independent tow)

Combat management system

Main gun 76 mm STRALES

2 x ROMG 30 mm

2 x 12.7 mm manual

1 x CIWS

2 x 4 cell SSM launcher

4 x 8 cell VLS (Area Defence Capable)

2 x triple Torpedo launcher

R-ESM / C-ESM / L-ESM

C-UAV

R-ECM

IRST

4 x Decoys / chaff

Integrated internal & external communication system

Other/additional systems to be discussed

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