

F-100 Class

AEGIS combat system AAW frigate with high ASW and ASuW capability

- **Five units in-service**
- **One of the most capable multi-role frigates in the world**
- **Operates as a combat group flagship in high threat scenarios**
- **Provides fleet protection and support to expeditionary forces**



MAIN CHARACTERISTICS

- Length Overall 146.7 m
- Maximum Breadth 18.6 m
- Full Load Displacement 5,900 t
- Design Draught 4.75 m
- Maximum Speed 28 kt
- Range 4,500 nm
- Accommodation 234

PROPULSION AND ELECTRIC PLANT

- 2 x 17,500 kW CODOG type
- 2 x 4,500 kW Gas Turbines
- Medium Speed Diesel Engines
- 2 Shaft Lines
- 2 CP Propellers



INTEGRATED SYSTEMS

- Integrated Navigation System
- Communication System: Integrated Communication Control System (ICCS), External and Internal Communication System
- Integrated Platform Management System (IPMS)

COMBAT MANAGEMENT SYSTEM

- AEGIS CMS which manages the target detection, control and engagement sequence, through the AN/SPY-1D radar, the Command & Decision Systems and the ships Weapons Control System

SENSORS

- 3D Multifunction Radar AN/SPY-1D
- Surface Search Radar AN/SPS-67
- Navigation Radar
- 2 x MK 99 Radar Illuminators
- Dorna EO/Radar Gun Fire Control System
- IFF
- 2 x Optical Target Designation Sights
- Hull Mounted Sonar DE-1160 LF
- Under Water Telephone
- Bathythermograph MK-8 an Simas Processing
- Radar and Communications ESM/ECM
- Active Towed Array Sonar (ATAS)

WEAPONS

- SAM System (based on Evolved Sea Sparrow missile (ESSM) and Standard Missile SM-2MR Block IIIA)
- Vertical Launch System MK-41 (48 cells)
- 4 x Decoy Launchers (SRBOC MK-36)
- Nixie Torpedo Countermeasures
- SSM System (2 x quadruple Launchers Harpoon)
- MK 45 Mod 25 Gun
- 2 x 20 mm Machine Guns
- 2 x Mark 32 double Torpedo Launchers for MK-46 Lightweight Torpedoes
- 1 x Helo Sirkorsky Seahawk SH-60B LAMPS Mark III Fitted for ASW/ASuW
- Close in Weapon System (CIWS)



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