

Class overview

Name:	<i>Hornet Class Littoral Multi-purpose Frigate</i>
Builders:	SA Systems
Operators:	<ul style="list-style-type: none"> Devontan Navy, Devontan Coastal Defense Force Ryrgish Navy Neo-Libralian Navy
Preceded by:	<i>Sentry class frigate</i>
Cost:	<i>~950 million J\$</i>
Built:	2012–present
In commission:	2012–present
Completed:	<ul style="list-style-type: none">160+ in service with Devontan Navy20 in service with Devontan Coastal Defense Forces1 in service with Ryrgish Navy6 in service with Neo-Libralian Navy

General characteristics

Type:	Nuclear Multi-purpose Frigate
Class:	MFGN (Multi-purpose Frigate/Nuclear)
Hull Type:	Monohull

Displacement:	7,000 tonnes
Length:	485 feet
Beam:	63 feet
Draft:	127 feet
Power Source:	<ul style="list-style-type: none"> ● 1x FF2D2 450Mw LMTR ● 2x Secondary 5Mw Diesel Generator sets
Propulsion:	<ul style="list-style-type: none"> ● 2x MMC-4 Motor-Propulsors ● 2x Extending Maneuvering Azipods
Speed:	41 knots
Range:	Essentially Unlimited
Compliment:	100 sailors
Sensors & processing systems:	<p style="text-align: center;"><i>Anti-air variant:</i></p> <ul style="list-style-type: none"> ● DN/MSR-15A multifunction air surveillance radar ● SMART-L EWC long range air & surface search radar ● STIR 2.4 HP Tracking and Illumination radar ● MIRADOR optical surveillance and tracking system ● SIRIUS long range infrared search & tracking system ● ARTEMIS short range infrared search & tracking system ● Series 2500 EOGCS ● Integrated Bridge and Navigation System ● Bastion Battle management/Communications system ● AHRS INS

- NR IFF system
- UMS-4110 Hull mounted sonar
- SNA-2000-I Mine Avoidance Sonar
- 2x Quick Pointing Devices

Anti-submarine variant:

- APAR multifunction air and surface radar
- SMART-L EWC long range air & surface search radar
- STIR 2.4 HP Tracking and Illumination radar
- SIRIUS long range infrared search & tracking system
- Series 2500 EOGCS
- Integrated Bridge and Navigation System
- Bastion Battle management/Communications system
- AHRS INS
- NR IFF system
- BlueWatcher hull mounted sonar
- CAPTAS-4 Variable Depth Sonar
- TUUM-6 Underwater Telephone
- 2x Quick Pointing Devices
- Sonar 2087 towed array sonar
- SNA-2000-I Mine Avoidance Sonar

Electronic warfare and Decoys:

Anti-air variant:

- AN/SSQ-137 Ship Signal Exploitation System
- AN/SLQ-32(V)5 Block 2
- VIGILE LW ESM/ELINT system
- 4x MK-36 SRBOC
- MASS decoy system
- Sea Sentor torpedo defense system
- IDS300 Naval Decoy system

	<ul style="list-style-type: none"> ● 6x Mk3 A/B passive or active sonar buoys ● EMP Hardened <p style="text-align: center;"><i>Anti-submarine variant:</i></p> <ul style="list-style-type: none"> ● AN/SLQ-32(V)5 Block 2 ● VIGILE LW ESM/ELINT system ● 2x MK-36 SRBOC ● MASS decoy system ● Sea Sentor torpedo defense system ● 10x Mk3 A/B passive or active sonar buoys ● EMP Hardened
<p>Armament:</p>	<p style="text-align: center;"><i>Anti-air variant:</i></p> <p style="text-align: center;"><i>Missiles:</i></p> <ul style="list-style-type: none"> ● 16 cell DVLS 50 vertical launch systems <ul style="list-style-type: none"> ○ NS-N-12 Shipburn ● 1x 32 cell & 1x 16 cell DVLS 48 vertical launch systems <ul style="list-style-type: none"> ○ HSCM ○ MdCN ○ LRASM ○ Naval Strike Missiles (NSM) ○ LRC-2100 ○ BGM-18 Lance ○ RIM-174 Standard ERAM ○ RIM-161 Standard Missile 3 ○ RIM-162 ESSM ○ RUM-139 VL-ASROC ● 2x Protector CIWS/RAM systems ● 2x MK-49T Quad Loitering Munition Launcher

Guns:

- 1x SA10 155mm gun systems
- 2x SAL13 30mm autocannons
- 4x general purpose machine gun mounts

ASW:

- 2x Triple MK-32 Surface Vessel Torpedo Tubes

Anti-submarine variant:

Missiles:

- 12 cell DVLS 50 vertical launch systems
 - NS-N-12 Shipburn
- 20 cell DVLS 48 vertical launch systems
 - HSCM
 - MdCN
 - LRASM
 - Naval Strike Missiles (NSM)
 - LRC-2100
 - BGM-18 Lance
 - RIM-174 Standard ERAM
 - RIM-161 Standard Missile 3
 - RIM-162 ESSM
 - RUM-139 VL-ASROC
- 2x Protector CIWS/RAM systems

Guns:

- 1x SA10 155mm gun systems
- 2x SAL13 30mm autocannons
- 4x general purpose machine gun mounts

ASW:

	<ul style="list-style-type: none"> ● 2x Triple MK-32 Surface Vessel Torpedo Tubes ● 4x Otomat MK-2 Block IV double launchers
Armour:	<ul style="list-style-type: none"> ● ARAMID composite (Kevlar & Twaron) splinter plating <ul style="list-style-type: none"> ○ Anti fire Nylon infused
Aircraft Carried:	<ul style="list-style-type: none"> ● 2x MH-60 R/S Seahawks or 4x vertical launch drones
Aviation facilities:	<ul style="list-style-type: none"> ● Flight deck ● Enclosed hangar
Boats:	<ul style="list-style-type: none"> ● 2x RHIBs
Additional Capabilities:	<ul style="list-style-type: none"> ● Space to embark 20 special forces troops and their equipment ● All superstructure is clean, things like stairs and mooring equipment are all internally placed, further supported by small amount of radar absorbent material to further reduce RCS. ● Angular purpose shaping in hull, superstructure, and weapon systems to reduce the Radar Cross Section (RCS) of the vessel. No right angles. ● Inward sloping tumblehome hull ● Demagnetisation belt ● Engines on top of elastic supportors and rubber coated propellers to reduce acoustic signature .