F 310 Fridtjof Nansen - 2006

Norway

Type: FFG - Guided Missile Frigate

Max Speed: 28 kt

Commissioned: 2006

Length: 132.0 m

Beam: 16.8 m

Draft: 4.9 m

Crew: 120

Displacement: 4681 t

Displacement Full: 5121 t

Propulsion: 2x Izar Bravo Diesels, 1x General Electric LM-2500 Gas Turbine, CODAG

Sensors / EW:

- UMS 4229 CAPTAS Mk2 - (Type 2087) VDS, Active/Passive Sonar, VDS, Active/Passive Variable Depth Sonar, Max range: 129.6 km
- UMS 4131S [Spherion Mk3] - (Ex-TMS 4131S, MFS 2000 Processor) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 74.1 km
- STIR - (ESSM + SM-2MR, Adelaide + Nansen, Mk92 Mod 12) Radar, Radar, FCR, Surface-to-Air, Medium-Range, Max range: 111.1 km
- AN/SPY-1F FARS MFR - (ESSM + SM-2MR, Adelaide + Nansen, Mk92 Mod 12) Radar, Radar, FCR, Surface-to-Air, Long-Range, Max range: 324.1 km
- Vigy 20 [CCD] - (Gun Director) Visual, LLTV, Weapon Director, Max range: 185.2 km
- Vigy 20 [IR] - (Gun Director) Infrared, Infrared, Weapon Director Camera, Max range: 185.2 km
- ES-3701 Seawatch - (Gun Director) ESM, ELINT w/ OTH Targeting, Max range: 926 km
- Bridgemaster [I-Band] - (Gun Director) Radar, Radar, Surface Search & Navigation, Max range: 46.3 km

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Weapons / Loadouts:

- 76mm/62 Super Rapido HE Burst [2 rnds] - Gun. Air Max: 2.8 km. Surface Max: 11.1 km. Land Max: 11.1 km.
- Stingray Mod 0 - (1986) Torpedo. Subsurface Max: 7.4 km.
- 12.7mm/50 MG Burst [10 rnds] - (Facility/Ship, No Anti-Air Capability) Gun. Surface Max: 1.9 km. Land Max: 1.9 km.
- RIM-162A ESSM - (2004, AEGIS, Mk41) Guided Weapon. Air Max: 55.6 km. Surface Max: 46.3 km.
- Mk245 GIANT Flare - (1997, DM19A1) Decoy (Expendable). Surface Max: 1.9 km.
- Mk214 Sea Gnat Chaff [Seduction] - (1987) Decoy (Expendable). Surface Max: 1.9 km.
- UCM-T130 Loki Torpedo Decoy - Decoy (Expendable). Surface Max: 1.9 km.

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These excellent ships of the Norwegian navy were a departure from the norm in Europe during the 1990s, when most countries downsized and/or downrated their navies. They are a huge improvement over the Oslo class FFs, and five hulls will guarantee that at least one (and usually at least two) are always on patrol. The design is based on the Spanish Alvaro de Bazan class, with assistance by Lockheed Martin. Part of their design criteria was the ability to partake in distant peacekeeping operations and they are spacious and air conditioned inside. They are optimized for rough arctic weather with deicing and the Trigon helicopter haul-down system. The design has good damage resistance; the ships are NBC sealed and two isolated MTU 396-12V diesels can provide power in the event the entire engine room is destroyed.

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