

D 656 Alsace [FREMM FREDA] - 2021

France

Type: FFG - Guided Missile Frigate

Max Speed: 28 kt

Commissioned: 2021

Length: 142.0 m

Beam: 19.7 m

Draft: 5.0 m

Crew: 108

Displacement: 4800 t

Displacement Full: 5800 t

Propulsion: 2x EPM Jeumont Diesels, 1x

General Electric LM-2500 G4 Gas Turbine,

CODLOG

Sensors / EW:

- Nettuno 4100 RECM - (Horizon, FREMM) ECM, OECM & DECM, Offensive & Defensive ECM, Max range: 0 km

- ATBF 2 - (DSBX 1, SLASM, Type 2087?) VDS, Active/Passive Sonar, VDS, Active/Passive Variable Depth Sonar, Max range: 74.1 km

- Sentinel RESM - (Horizon, FREMM) ESM, ELINT w/ OTH Targeting, Max range: 926 km

- Artemis - (Horizon, FREMM) Infrared, IRST, Imaging Infrared Search and Track, Max range: 185.2 km

- Herakles 3D - (Alsace, Extended Range) Radar, Radar, Air & Surface Search, 3D Long-Range, Max range: 300 km

- UMS 4410CL - (FREMM) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 74.1 km

- Scanter 2001 - (Land-Based Scanter 4100) Radar, Radar, Air & Surface Search, 2D Medium-Range, Max range: 196.3 km

- STIR 1.2 Mk2 [IR] - (Group, Ex-STING-EO Gun) Infrared, Infrared, Weapon Director Camera, Max range: 185.2 km

- STIR 1.2 Mk2 [Radar] - (Group, Ex-STING-EO Gun) Radar, Radar, FCR, Weapon Director, Max range: 118.5 km

- STIR 1.2 Mk2 [Visual Camera] - (Group, Ex-STING-EO Gun) Visual, Visual, Weapon Director TV Camera, Max range: 185.2 km

- STIR 1.2 Mk2 [Laser Rangefinder] - (Group, Ex-STING-EO Gun) Laser Rangefinder, Laser Rangefinder for Weapon Director, Max range: 7.4 km

- UMS 4249 CAPTAS Mk4 - (Group, Ex-STING-EO Gun) VDS, Active/Passive Sonar, VDS, Active/Passive Variable Depth Sonar, Max range: 129.6 km

- SNA-2000/I - (Mine Avoidance Element) Hull Sonar, Active-Only, Hull Sonar, Active-Only Mine & Obstacle Avoidance, Max range: 1.1 km

- SNA-2000/I - (Acoustic Intercept Element) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 127.8 km

- SeaBeam 3050 - (FREMM) Hull Sonar, Active-Only, Hull Sonar, Active-Only Search & Track, Max range: 3.7 km

- Altesse HF/DF - (FREMM) ESM, HF/DF w/ OTH Targeting, Max range: 926 km

D 656 Alsace [FREMM FREDA] - 2021

Weapons / Loadouts:

- MM.40 Exocet Blk IIIC - (2018) Guided Weapon. Surface Max: 185.2 km. Land Max: 185.2 km.
- 76mm/62 Super Rapido HE Burst [2 rnds] - Gun. Air Max: 2.8 km. Surface Max: 11.1 km. Land Max: 11.1 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.
- 20mm Narwhal 20B [M693] Burst [20 rnds] - Gun. Air Max: 1.5 km. Surface Max: 1.9 km. Land Max: 1.9 km.
- Aster 15 PAAMS [GWS.45 Sea Viper] - Guided Weapon. Air Max: 37 km.
- Aster 30 Blk 1 NT - (2020+, ABM) Guided Weapon. Air Max: 111.1 km.
- SEALEM 08-02 Chaff [SEACLAD] - Decoy (Expendable). Surface Max: 1.9 km.
- SEALIR 08-01 Flare [SEACLAD] - Decoy (Expendable). Surface Max: 1.9 km.
- CONTRALTO-V [SLAT] - (Torpedo Decoy, Ship) Decoy (Expendable). Surface Max: 1.9 km.
- MU-90 Impact - (2003, Ex-Murene, Ex-A.290) Torpedo. Subsurface Max: 7.4 km.