

FFM 7 [Mogami Class] - 2025 30DX

Japan

Type: FFG - Guided Missile Frigate

Max Speed: 30 kt

Commissioned: 2025

Length: 133.0 m

Beam: 16.3 m

Draft: 4.7 m

Crew: 90

Displacement: 3900 t

Displacement Full: 5500 t

Propulsion: 2x MAN 12V28/33D Diesels, 1x

MT-30 Gas Turbine, CODAG

Sensors / EW:

- J/OPY-2 VSR - Radar, Radar, Air & Surface Search, 3D Long-Range, Max range: 324.1 km
- J/OPY-2 MFR - Radar, Radar, FCR, Surface-to-Air & Surface-to-Surface, Medium-Range, Max range: 222.2 km
- J/NOLQ-3E [ECM] - (Mogami) ECM, OECM & DECM, Offensive & Defensive ECM, Max range: 0 km
- J/NOLQ-3E [ESM] - (Mogami) ESM, ELINT w/ OTH Targeting, Max range: 926 km
- J/OAX-3 [IR] - (Mogami) Infrared, Infrared, Weapon Director & Target Search, Tracking and Identification Camera, Max range: 83.3 km
- J/OAX-3 [LLTV] - (Mogami) Visual, LLTV, Weapon Director & Target Search, Tracking and Identification, Max range: 83.3 km
- J/OQQ-25 VDS - (Mogami) VDS, Active/Passive Sonar, VDS, Active/Passive Variable Depth Sonar, Max range: 44.4 km
- J/OQQ-25 TASS - (Mogami) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Towed Array Sonar System, Max range: 129.6 km
- J/OQQ-11 - (Mine Avoidance) Hull Sonar, Active-Only, Hull Sonar, Active-Only Mine & Obstacle Avoidance, Max range: 0.9 km

Weapons / Loadouts:

- 127mm/62 Mk187 HE-MFF [Mk64 HiCap Body, Mk419 Fuse] - (2009, Land, ASuW, AAW, Multi-Function Fuze) Gun. Air Max: 2.8 km. Surface Max: 22.2 km. Land Max: 24.1 km.
- 127mm/62 Mk176 Illum-ET [Cargo Body, Mk432 Fuse] - (2006) Gun. Surface Max: 22.2 km. Land Max: 24.1 km.
- 127mm/62 Mk186 HE-MOFN [Mk64 HiCap Body, Mk437 Fuse] - (2015, Land and ASuW, No AAW, Multi-Option Fuze Navy) Gun. Surface Max: 22.2 km. Land Max: 24.1 km.
- RIM-116C RAM Blk II - (2015) Guided Weapon. Air Max: 18.5 km. Surface Max: 18.5 km.
- SSM-2 [Type 17] - (Japan, Naval Type 12) Guided Weapon. Surface Max: 200 km.
- Mk46 NEARTIP Mod 5 - (1984) 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.

FFM 7 [Mogami Class] - 2025 30DX

km.

- RIM-162B ESSM - (2004, Non-AEGIS, Mk41) Guided Weapon. Air Max: 55.6 km. Surface Max: 46.3 km.
- Type 07 VL-ASROC [Type 97] - Guided Weapon. Subsurface Max: 55.6 km.