

F 111 Otago [Type 12M Rothesay Class] - 1968

New Zealand

Type: FF - Frigate

Max Speed: 28 kt

Commissioned: 1968

Length: 112.7 m

Beam: 12.5 m

Draft: 5.2 m

Crew: 219

Displacement: 2150 t

Displacement Full: 2560 t

Propulsion: 2x Babcock & Wilcox boilers, 2x

English Electric Steam Turbines



Sensors / EW:

- Type 975 [KH 14/12] - Radar, Radar, Surface Search & Navigation, Max range: 46.3 km
- Type 277Q - (Standalone) Radar, Radar, Air & Surface Search, 3D Medium-Range, Max range: 166.7 km
- Type 993 - (Standalone) Radar, Radar, Target Indicator, 2D Surface-to-Air & Surface-to-Surface, Max range: 83.3 km
- Type 278 ANU - (Renamed Type 986 on carriers?) Radar, Radar, Height-Finder, Medium-Range, Max range: 148.2 km
- Type 275 [Radar] - (Group, 1945, GFC 114mm) Radar, Radar, FCR, Weapon Director, Max range: 29.6 km
- Type 275 [Visual Camera] - (Group, 1945, GFC 114mm) Visual, Visual, Weapon Director TV Camera, Max range: 74.1 km
- Type 184M - (Solid State) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search, Max range: 5.6 km
- Type 162 Cockshafer - (Solid State) Hull Sonar, Active-Only, Hull Sonar, Active-Only Bottom Profiler, Max range: 0.7 km
- Type 170B - (1956, Limbo Director, Visual & Radar Data) Hull Sonar, Active-Only, Hull Sonar, Active-Only Mortar Fire Control, Max range: 1.9 km
- Type STD [GWS.20, Visual Director] - (1956, Limbo Director, Visual & Radar Data) Visual, Visual, Weapon Director TV Camera, Max range: 74.1 km
- UA-3 - (1956, Limbo Director, Visual & Radar Data) ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- FH-5 HF/DF - (UA-13) ESM, HF/DF, Max range: 926 km

Weapons / Loadouts:

- 114mm/45 Mk6 Twin HE Burst [2 rnds] - Gun. Air Max: 2.8 km. Surface Max: 18.5 km. Land Max: 18.5 km.
- 40mm/70 Mk9 Single Bofors Burst [4 rnds] - Gun. Air Max: 2.2 km. Surface Max: 5.6 km. Land Max: 5.6 km.
- Mk10 Limbo ASW Mortar Salvo [3 rnds] - Gun. Subsurface Max: 0.9 km.
- Sea Cat Mod 1 - Guided Weapon. Air Max: 7.4 km. Surface Max: 7.4 km.
- Generic GMTR [Guided Missile Training Round] - (Aka Drill Round) Training Round.
- Corvus Chaff [Seduction] - (102mm) Decoy (Expendable). Surface Max: 1.9 km.

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- Corvus Chaff [Distraction] - (102mm) Decoy (Expendable). Surface Max: 1.9 km.

OVERVIEW: The ROTHESAY/OTAGO class (Type 12M) is a steam-powered guided missile Frigate (FFG) primarily intended for ASW.

DETAILS: The ROTHESAY/OTAGO class was originally designed as an ASW escort for fleet units.

Specifications:

Displacement: 2,380 tons (standard); 2,800 (full load)
Speed: 30 knts
Engineering: 2 shaft, 2 steam turbines
Range: 4,500 nm @ 12 knts
Complement: 203
In Commission: 1960-1983
Completed: 2 (New Zealand); 3 (South Africa); 9 (Royal Navy)

NOTES: Units in class: OTAGO (F111); TARANAKI (F148). A successful design, the Type 12M design was subsequently modified to create the LEANDER-class frigate.

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 380, 668 ;
"Rothesay-class Frigate." Wikipedia, the Free Encyclopedia. Accessed May 18, 2015.
http://en.wikipedia.org/wiki/Rothesay-class_frigate ; <http://www.leander-project.homecall.co.uk/Type%2012m.html>.