

F 107 Rothesay [Type 12M] - 1975 Modified

United Kingdom

Type: FF - Frigate

Max Speed: 28 kt

Commissioned: 1975

Length: 112.7 m

Beam: 12.5 m

Draft: 5.2 m

Crew: 235

Displacement: 2150 t

Displacement Full: 2560 t

Propulsion: 2x Babcock & Wilcox boilers, 2x

English Electric Steam Turbines



Sensors / EW:

- 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 978 - (OPS-9 Mod) Radar, Radar, Surface Search & Navigation, Max range: 64.8 km
- Type 162 Cockshafer - (OPS-9 Mod) Hull Sonar, Active-Only, Hull Sonar, Active-Only Bottom Profiler, Max range: 0.7 km
- Type 177 - (1958, Search) Hull Sonar, Active-Only, Hull Sonar, Active-Only Search, Max range: 5.6 km
- Type 994 [AWS.4] - (1958, Search) Radar, Radar, Target Indicator, 2D Surface-to-Air & Surface-to-Surface, Max range: 111.1 km
- Type STD [GWS.20, Visual Director] - (1958, Search) Visual, Visual, Weapon Director TV Camera, Max range: 74.1 km
- Type 668 - (Assoc w UA-13) ECM, OECM, Offensive ECM, Max range: 0 km
- UA-13 HF/DF - (FH-5, SPR-2, Assoc w Type 668) ESM, HF/DF, Max range: 926 km
- UA-3 - (FH-5, SPR-2, Assoc w Type 668) ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- Type 903 [Radar] - (Group, Gun Director) Radar, Radar, FCR, Weapon Director, Max range: 27.8 km
- Type 903 [Visual Camera] - (Group, Gun Director) Visual, Visual, Weapon Director TV Camera, Max range: 74.1 km

Weapons / Loadouts:

- 20mm/70 Oerlikon Mk7 Burst [20 rnds] - Gun. Air Max: 1.5 km. Surface Max: 1.9 km. Land Max: 1.9 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.
- Mk10 Limbo ASW Mortar Salvo [3 rnds] - Gun. Subsurface Max: 0.9 km.
- 114mm/45 Mk6 Twin HE Burst [2 rnds] - Gun. Air Max: 2.8 km. Surface Max: 18.5 km. Land Max: 18.5 km.
- Corvus Chaff [Seduction] - (102mm) Decoy (Expendable). Surface Max: 1.9 km.
- Corvus Chaff [Distraction] - (102mm) Decoy (Expendable). Surface Max: 1.9 km.
- Type 182 Towed Torpedo Decoy - Decoy (Towed). Surface Max: 1.9 km.

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

DETAILS: The ROTHESAY class was originally designed as an ASW escort for fleet units. In the 1960's, the addition of a SEA CAT missile gave it a multi-role capability.

Specifications:

Displacement: 2,380 tons (standard); 2,800 (full load)

Speed: 30 knts

Engineering: 2 shaft, 2 steam turbines

Range: 5,200 nm @ 12 knts

Complement: 235

In Commission: 1960-1988

Completed: 9 (+5 to New Zealand and South Africa)

NOTES: Units in class: ROTHESAY (F107); YARMOUTH (F101); LONDONDERRY (F108); RHYL (F129); PLYMOUTH (F126); BERWICK (F115); FALMOUTH (F113); LOWESTOFT (F103); BRIGHTON (F106). A successful design, the Type 12M design was subsequently modified to create the LEANDER-class frigate. The ROTHESAY class was also used by the South African and New Zealand navies.

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 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>.