

## 331 Martha Khristina Tiyahahu [Tribal] - 1986

### Indonesia

Type: FF - Frigate

Max Speed: 28 kt

Commissioned: 1986

Decommissioned: 1999

Length: 110.0 m

Beam: 12.9 m

Draft: 5.3 m

Crew: 267

Displacement: 2300 t

Displacement Full: 2700 t

Propulsion: 1x Boiler, 1x Steam Turbine, 1x

G-6 Gas Turbine, COSAG



#### Sensors / EW:

- PMS 26 - (Modified Type 195, Type 164/174 Replacement) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 5.6 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 162M Cockshafer - (1956, Limbo Director, Visual & Radar Data) Hull Sonar, Active-Only, Hull Sonar, Active-Only Bottom Profiler, Max range: 1.3 km
- Type 993 - (1956, Limbo Director, Visual & Radar Data) Radar, Radar, Target Indicator, 2D Surface-to-Air & Surface-to-Surface, Max range: 83.3 km
- Type 262 [Radar] - (Sea Cat FCR) Radar, Radar, FCR, Weapon Director, Max range: 7.4 km
- Type 262 [Visual Camera] - (Sea Cat FCR) Visual, Visual, Weapon Director TV Camera, Max range: 74.1 km
- Type 978 - (OPS-9 Mod) Radar, Radar, Surface Search & Navigation, Max range: 64.8 km
- Type 965M Single Bedstead - (Original, No MTI) Radar, Radar, Air Search, 2D Long-Range, Max range: 370.4 km

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#### Weapons / Loadouts:

- Corvus Chaff [Seduction] - (102mm) Decoy (Expendable). Surface Max: 1.9 km.
- Corvus Chaff [Distraction] - (102mm) Decoy (Expendable). Surface Max: 1.9 km.
- 114mm/45 Mk5 Twin HE Burst [2 rnds] - Gun. Air Max: 2.8 km. Surface Max: 18.5 km. Land Max: 18.5 km.
- Mk10 Limbo ASW Mortar Salvo [3 rnds] - Rocket. 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.
- Depth Charge [Generic] - Depth Charge. Subsurface Max: 0.2 km.
- 20mm/70 Oerlikon Mk7 Burst [20 rnds] - Gun. Air Max: 1.5 km. Surface Max: 1.9 km. Land Max: 1.9 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.