

FFG 05 Melbourne [Adelaide Class, Perry Class] - 1999

Australia

Type: FFG - Guided Missile Frigate

Max Speed: 33 kt

Commissioned: 1999

Length: 138.1 m

Beam: 13.5 m

Draft: 7.5 m

Crew: 176

Displacement: 3500 t

Displacement Full: 4100 t

Propulsion: 2x General Electric LM-2500 Gas

Turbines, COGAG



Sensors / EW:

- Mulloka - Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 9.3 km
- Mk92 Mod 2 CAS - (GFCS, WM.28) Radar, Radar, FCR, Weapon Director, Max range: 118.5 km
- AN/SLQ-32(V)2 [ESM] - (Group, 1983) ESM, ELINT, Max range: 926 km
- AN/SPG-60 STIR [Mk86 FCS, Radar] - (SM-1MR, Mk92 Mod 2/6) Radar, Radar, FCR, Surface-to-Air & Surface-to-Surface, Short-Range, Max range: 88.9 km
- AN/SPS-49(V)4 - (SM-1MR, Mk92 Mod 2/6) Radar, Radar, Air Search, 2D Long-Range, Max range: 463 km
- AN/SPS-55 - (SM-1MR, Mk92 Mod 2/6) Radar, Radar, Surface Search & Navigation, Max range: 64.8 km
- Radamec 2500 [EO] - (SM-1MR, Mk92 Mod 2/6) Visual, Visual, Weapon Director & Target Search, Tracking and Identification TV Camera, Max range: 55.6 km
- Radamec 2500 [IR] - (SM-1MR, Mk92 Mod 2/6) Infrared, Infrared, Weapon Director & Target Search, Tracking and Identification Camera, Max range: 55.6 km
- Radamec 2500 [Laser Rangefinder] - (SM-1MR, Mk92 Mod 2/6) Laser Rangefinder, Laser Rangefinder for Weapon Director, Max range: 7.4 km

Weapons / Loadouts:

- 20mm/85 Mk15 Phalanx Blk 1 Burst [300 rnds] - Gun. Air Max: 1.5 km.
- 76mm/62 Compact HE Burst [4 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.
- Mk182 SRBOC Chaff [Seduction] - (1979) Decoy (Expendable). Surface Max: 1.9 km.
- Mk186 TORCH Flare [Seduction] - (1979) Decoy (Expendable). Surface Max: 1.9 km.
- Mk46 NEARTIP Mod 5 - (1984) Torpedo. Subsurface Max: 7.4 km.
- AN/SLQ-25 Nixie - Decoy (Towed). Surface Max: 1.9 km.
- RIM-66E SM-1MR Blk VI - (1986) Guided Weapon. Air Max: 46.3 km. Surface Max: 46.3 km.
- Generic GMTR [Guided Missile Training Round] - (Aka Drill Round) Training Round.

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- RGM-84D Harpoon IC - (1986) Guided Weapon. Surface Max: 138.9 km.