

HMAS Warramunga (II)



HMAS *Warramunga* is the second Royal Australian Navy (RAN) ship to bear the name and is the third Anzac Class Frigate Helicopter (FFH) to be built for the RAN by Tenix Defence Systems in Williamstown, Australia.

Warramunga is a long-range frigate capable of air defence, surface and undersea warfare, surveillance, reconnaissance and interdiction. In 2015, *Warramunga* was the fourth Anzac Class Frigate to complete the Anti-Ship Missile Defence upgrade program, a world class program that provides an enhanced sensor

and weapons systems capability. The upgrade showcases Australian design and integration capability, with new Phased Array Radar technology designed by CEA Technologies in Canberra, upgrades to combat systems performed by Saab Systems in South Australia, and platform integration design by BAE Systems in Victoria.

Warramunga is fitted with an advanced package of air and surface surveillance radars; omnidirectional hull mounted sonar and electronic support systems that interface with the state-of-the-art 9LV453 Mk3E combat data system. The ship can counter simultaneous threats from aircraft, surface vessels and submarines.

The ship's main armament comprises one five inch (127 mm) gun capable of firing 20 rounds per minute, ship launched Mk 46 torpedoes and a Mk 41 vertical launch system for the Evolved Sea Sparrow point defence missile. *Warramunga* also has eight anti-ship/land attack canister launched harpoon missiles and a vertical launch system for the Evolved Sea Sparrow Missile. The ship's other defence systems include the Nulka active missile decoy system, offboard chaff and a torpedo countermeasures system.

HMAS *Warramunga*, like her sister frigates HMA Ships *Anzac*, *Arunta*, *Stuart*, *Parramatta*, *Ballarat* and *Toowoomba* features a "combined diesel or gas" (CODOG) propulsion plant which enables the ship to sustain sprint speeds of greater than 27 knots and allows an operational range in excess of 6,000 nautical miles at 18 knots.

The ship can embark Navy's latest multi-role Sikorsky S-70R Seahawk helicopter which has enhanced anti-submarine, anti-surface warfare and Search and Rescue capabilities. Embarkation of a helicopter also provides the ship with the capability to deliver air-launched missiles and torpedoes.

[HMAS Warramunga \(I\)](#)

HMAS *Warramunga* (I) was the second of three Australian built Tribal class destroyers. She served with distinction in WW II with the US 7th Fleet in the Pacific, the Korean campaign, the Malayan Insurgency and with the United Nations Forces in Korea. The following battle honours have been awarded to *Warramunga* (I) : Pacific 1943-1945, New Guinea 1943-1944, Leyte Gulf 1944 (Philippines), Lingayen Gulf 1945 (Philippines) and Korea 1950-1952.

The *Warramunga* name is derived from the Warramunga (also spelt Warumungu) Aboriginal



Commanding Officer	Commander Dugald Clelland
Class	Anzac
Type	Frigate Helicopter (FFH)
Pennant	FFH 152
International Callsign	VKLD
Motto	Courage in Difficulties
Home Port	Fleet Base East
Builder	Tenix Defence Systems
Laid Down	26 July 1997
Launched	23 May 1998
Commissioned	31 March 2001
Resources	
Datasheet	HMAS Warramunga (II)
News Articles	Navy Daily
Facebook	HMAS Warramunga (II)
Image Gallery	HMAS Warramunga (II)
Dimensions & Displacement	
Displacement	3,600 tonnes
Length	118 metres
Beam	14.8 metres
Draught	4.5 metres
Performance	
Speed	27 knots
Range	6,000 nautical miles
Complement	
Crew	177
Propulsion	
Machinery	<ul style="list-style-type: none"> 1 x General Electric LM2500 gas turbine engine

people from the Tennant Creek area and the ship's badge depicts a fearsome Warumungu tribesman about to throw a boomerang. The blue and yellow background represents the sky and a desert hillside.

The motto "Courage in Difficulties" honours the Warumungu tribe's life of courage in their harsh environment as well as the Second World War Tribal Class Destroyer, HMAS *Warramunga* (I).

	<ul style="list-style-type: none"> • 2 x MTU 12V 1163 diesels driving two controllable pitch propellers
Armament	
Missiles	<ul style="list-style-type: none"> • Mk 41 vertical launch system with Evolved Sea Sparrow missiles • Harpoon anti-ship missiles
Guns	<ul style="list-style-type: none"> • 5 inch Mk45 Mod 2 automatic rapid fire gun • 4 x 50 calibre (12.7mm) machine guns
Torpedoes	2 x Mk32 Mod 5 triple mounted torpedo tubes
Physical Countermeasures	<ul style="list-style-type: none"> • Loral Hycor SRBOC decoy launchers • BAE Nulka decoy launchers • SLQ-25C torpedo countermeasures
Electronic Countermeasures	<ul style="list-style-type: none"> • JEDS 3701 electronic support measures • Telefunken PST-1720 comms intercept
Radars	<ul style="list-style-type: none"> • Raytheon SPS-49(V)8 ANZ • CEAFAR active phased array • Kelvin Hughes Sharp Eye • CEAMOUNT illuminators • Saab Systems Ceros 200 • Cossor AIMS Mk XII
Sonars	<ul style="list-style-type: none"> • Thomson Sintra Spherion • Thales UMS 5424 Petrel
Combat Data Systems	Saab Systems 9LV453 Mk3E
Electro-optic Systems	<ul style="list-style-type: none"> • Saab Systems Ceros 200 • Vampir NG infra-red search and track system
Helicopters	1 x S-70B-2 Seahawk or 1 x MH-60R Seahawk
Awards	
Inherited Battle Honours	<ul style="list-style-type: none"> • NEW GUINEA 1943–44 • PACIFIC 1943–45 • LEYTE GULF 1944 • LINGAYEN GULF 1945 • BORNEO 1945 • KOREA 1950–52

