



USS ROBERT G. BRADLEY (FFG 49)

Guided Missile Frigate
Homeport: Mayport, Florida
www.bradley.navy.mil



The United States Navy has an impressive record of producing superb frigates, which have distinguished themselves with outstanding performance. The list extends from the frigates Constellation and Constitution to today's finest frigate, USS ROBERT G. BRADLEY (FFG-58).

Robert G. Bradley's mission is to provide, air, submarine and surface protection for carrier battle groups, underway replenishment forces, amphibious groups and convoys. Her unique combination of modern sensors and advance weapons systems allows this ship to fight and survive in the highly complex threat environment of the 1900s and beyond. Robert G. Bradley's combat systems capability allows it to rapidly evaluate threats, conduct appropriate weapons selection, and provide near-instantaneous response to any postulated attack. The systems aboard the ship have been designed to meet these demanding and dynamic prerequisites, and to do so with minimum human interface. Her weapons include long-range, surface-to-surface, and medium-range, surface-to-air missiles, a 76mm gun, Vulcan Phalanx Close-in-Weapons System (CIWS) and anti-submarine torpedoes.

Robert G. Bradley is also equipped to carry two LAMPS MK III multi-purpose Helicopters. The Avionics package, airborne sensors, and tactical data systems incorporated in this helicopter, allow the ship to locate and strike at hostile surface and subsurface forces will beyond the horizon, and long before Robert G. Bradley is detected by their sensors. Rounding out Robert G. Bradley's combat systems suite is the world's most effective surface passive ASW system, thus completing the highly sophisticated package.

In today's combat environment, the ability to respond quickly and effectively is the key to success. All of Robert G. Bradley's systems are designed to meet this important requirement. Robert G. Bradley is powered by two LM-2500 gas turbine jet engines. The ship's engineering plant utilizes a computer-controlled gas turbine power plant with engines similar to those found on the Air Force and DC-10 jetliners, and may be brought "on-the-line", ready to operate in the than one-eighth the time required for a conventional steam or nuclear-powered ship. These engines provide the ship with a remarkably responsive acceleration rate, and the best capability to react to the needs of the Battle Group Commander in defense of his forces.

SHIP'S SPECIFICATIONS:

GENERAL

Length - 453 feet
Beam (Maximum)- 47 feet
Speed: 30+ knots
Draft (Navigational)- 33 feet
Displacement- 9157 tons full load
Complement- 32 Officers/348 Enlisted

ENGINEERING

Propulsion: 2 General Electric LM2500 Gas Turbines (40,000 total shaft horsepower)
1 Controllable Reversible Pitch Propeller
Electrical: 2 360 Horsepower Electric Auxiliary Propulsion Units
Services:

SENSORS

AN/SPS-49 Air Search Radar
AN/SPS-55 Surface Search Radar
MK92 Fire Control System
AN/SLQ-32 Electronic Warfare System
AN/SQS-56 Digital Sonar
NIXIE Decoy System
SRBOC Decoy System
Navy Tactical Data System
STIR Radar
CAS Radar

WEAPONS

MK13 Guided Missile Launcher
Harpoon anti-surface missile
Standard anti-surface missile
76mm MK75 Rapid fire gun
MK32 ASW Torpedo tubes
MK15 MOD1 Phalanx Close-in Weapon System (CIWS)

AIRCRAFT

2 SH-60B LAMPS MK III helicopters