

S 09 Oberon - 1987

United Kingdom

Type: SS - Attack/Fleet Submarine

Max Depth: -200 m

Max Speed: 17 kt

Commissioned: 1987

Decommissioned: 1993

Length: 90.0 m

Beam: 8.1 m

Draft: 5.5 m

Crew: 69

Displacement: 2030 t

Displacement Full: 2410 t

Propulsion: 2x Electric Motors



Sensors / EW:

- UA-4 - ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- Type 2051 Triton - (Oberon, Type 187 Replacement) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search, Max range: 14.8 km
- Type 187 - (Oberon, Searchlight Attack) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Attack, Max range: 7.4 km
- Type 1006(1) [KH 19/9A] - (Submarines) Radar, Radar, Surface Search & Navigation, Max range: 118.5 km
- Type 2007AA - (1972) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 74.1 km
- Type 197 [DUUG 1 Mod] - (1972) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 27.8 km
- Generic Submarine Periscope, Optical - (1970s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km
- Generic Submarine Periscope, LLTV - (1970s, Gen 1, 1x/2x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 27.8 km

Weapons / Loadouts:

- Mk24 Tigerfish Mod 2 - (1987, Dual) Torpedo. Surface Max: 7.4 km. Subsurface Max: 7.4 km.

OVERVIEW: The OBERON is a diesel-powered patrol submarine (SSK).

DETAILS: The OBERON class were heavily based on the earlier PORPOISE-class SSK, with the exception of their using a different steel and glass fibre laminate in the hull to increase strength. They are exceptionally quiet underwater, in part due to careful attention to detail in the mounting of machinery, and advances made in propeller design to prevent

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cavitation. Their quietness, combined with a very effective long-range sonar suite, made them a very capable in their role patrolling chokepoints to detect transiting Soviet submarines.

Specifications:

Displacement: 2,030 (surfaced); 2,410 tons submerged.

Speed: 12 knts (surfaced) 17 knts (submerged)

Engineering: 2 diesel engines; 2 -3-bladed propeller

Diving Depth: 800-900 feet

Range: 9,000 nm (surfaced)

Complement: 69

Hulls built: 8

Period of Service: 1962-1993 (RN), 2000 (Australia and Canada)

NOTES: Units in class: ODIN (S 10); ORPHEUS (S 11); OLYMPUS (S 12); OSIRIS (S 13); ONSLAUGHT (S 14); OTTER (S 15); ORACLE (S 16); OCELOT (S 17); OTUS (S 18) ; OPOSSUM (S 19); OPPORTUNE (S 20); ONYX (S 21). An additional six units were built for the Royal Australian Navy, and three to the Royal Canadian Navy

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 659 ; Oberon-class submarine - Wikipedia, the free encyclopedia. (n.d.). Retrieved May 4, 2015, from http://en.wikipedia.org/wiki/Oberon-class_submarine ; ; <http://arl.g3w1.com/Subs/index.htm>