

SSN 671 Narwhal - 1985

United States

Type: SSN - Nuclear Powered Attack

Submarine

Max Depth: -400 m

Max Speed: 30 kt

Commissioned: 1985

Length: 96.0 m

Beam: 9.7 m

Draft: 8.8 m

Crew: 120

Displacement: 5027 t

Displacement Full: 5378 t

Propulsion: 1x General Electric S5G Nuclear

Reactor



Sensors / EW:

- AN/WLR-9A - (AN/BLR-14, Sonar Warning Receiver) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept & Torpedo Warning, Max range: 27.8 km
- AN/WLQ-4 Sea Nymph - (Sturgeon) ESM, SIGINT (ELINT & COMINT) w/ OTH Targeting, Max range: 926 km
- AN/TB-16 - (1978) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Fat Line Towed Array Sonar System, Max range: 129.6 km
- AN/BQS-14 - (1978) Hull Sonar, Active-Only, Hull Sonar, Active-Only Under-Ice Navigation and Mine & Obstacle Avoidance, Max range: 0.4 km
- AN/BPS-14 - (1978) Radar, Radar, Surface Search, Short-Range, Max range: 74.1 km
- AN/BQQ-5A(V)2 [BQS-12] - (Sturgeon, Assow w AN/BQS-14) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 74.1 km
- AN/BRD-6 - (Sturgeon, Assow w AN/BQS-14) ESM, HF/DF, Max range: 926 km
- Generic Submarine Periscope, LLTV - (1980s/1990s, Gen 2, 1.5x/4x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 41.7 km
- Generic Submarine Periscope, Optical - (1980s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km

Weapons / Loadouts:

- UGM-109A Tomahawk TLAM-N [W80-0 200kT Nuclear] - (1985-1991, TT) Guided Weapon. Land Max: 2500.2 km.
- UGM-109B Tomahawk TASM - (1985-1991, TT) Guided Weapon. Surface Max: 463 km.
- UGM-84C Harpoon IB - (1984) Guided Weapon. Surface Max: 120.4 km.
- UUM-44A SUBROC [10kT Nuclear DC] - (1966-1989) Guided Weapon. Subsurface Max: 55.6 km.
- Mk48 Mod 4 - (1982, 75% success rate) Torpedo. Surface Max: 11.1 km. Subsurface Max: 11.1 km.
- ADC Mk2 Mod 0 Torpedo Decoy - (1979, 3-inch) Decoy (Expendable). Subsurface Max: 1.9 km.

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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 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: 65

Hulls built: 3 (Canada)

Period of Service: 1965-2000 (Australia and Canada)

NOTES: Units in class: OJIBWA (72); ONONDAGA (73) ; OKANAGAN (74).

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 72, 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>