

## S 01 Porpoise - 1985

### United Kingdom

Type: SS - Attack/Fleet Submarine

Max Depth: -200 m

Max Speed: 17 kt

Commissioned: 1985

Decommissioned: 1987

Length: 88.4 m

Beam: 8.1 m

Draft: 5.5 m

Crew: 71

Displacement: 2080 t

Displacement Full: 2450 t

Propulsion: 2x English Electric Motors



#### Sensors / EW:

- Generic ESM [Average] - (1980s) ESM, ELINT, Max range: 926 km
- Type 197 [DUUG 1 Mod] - (1980s) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 27.8 km
- Type 187 - (Oberon, Searchlight Attack) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Attack, Max range: 7.4 km
- Type 186 - (Oberon, Search) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Search, Max range: 7.4 km
- Type 1006(1) [KH 19/9A] - (Submarines) Radar, Radar, Surface Search & Navigation, Max range: 118.5 km
- Generic Acoustic Intercept - (Submarines) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 66.7 km
- Generic Submarine Periscope, Optical - (1940s/50s, 1x/6x Zoom) Visual, Visual, Surveillance Periscope, Max range: 27.8 km

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#### Weapons / Loadouts:

- Mk24 Tigerfish Mod 1 - (1980, Dual) Torpedo. Surface Max: 7.4 km. Subsurface Max: 7.4 km.

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

**DETAILS:** The PORPOISE class were 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.

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### 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: 71

Hulls built: 8

Period of Service: 1956-88

NOTES: Units in class: PORPOISE (S 01); RORQUAL (S 02); NARWHAL (S 03); GRAMPUS (S 04); FINWHALE (S 05); CACHALOT (S 06); SEALION (S 07); WALRUS (S 08).

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 659 ; British Porpoise-class submarine -

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