

S 107 Trafalgar - 2018 TLAM

United Kingdom

Type: SSN - Nuclear Powered Attack

Submarine

Max Depth: -300 m

Max Speed: 32 kt

Commissioned: 2018

Decommissioned: 2021

Length: 85.4 m

Beam: 9.8 m

Draft: 9.5 m

Crew: 97

Displacement: 4740 t

Displacement Full: 5208 t

Propulsion: 1x Rolls-Royce PWR.1 Nuclear

Reactor

Sensors / EW:

- UAP-1 - (Trafalgar) ESM, ELINT w/ OTH Targeting, Max range: 926 km
- Type 1007 - (1988, KH 1007) Radar, Radar, Surface Search & Navigation, Max range: 177.8 km
- CXA(1) [Telegon 6] - (1988, KH 1007) ESM, HF/DF, Max range: 926 km
- Type 2065 [Type 2076 Suite] - (1988, KH 1007) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Towed Array Sonar System, Max range: 185.2 km
- Type 2074LRE [Type 2076 Suite] - (1988, KH 1007) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 74.1 km
- Type 2082 - (1994) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Passive Ranging, Max range: 27.8 km
- Type 2072 [Type 2076 Suite] - (Trafalgar, FMS 12, Type 2007 Replacement) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 129.6 km
- Type 2077 Parian - (Trafalgar, FMS 12, Type 2007 Replacement) Hull Sonar, Active-Only, Hull Sonar, Active-Only Short-Range Sidescan Mapping, High-Definition LPI, Max range: 1.1 km
- Generic Submarine Periscope, Optical - (2000s, 1.5x/12x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km
- Generic Submarine Periscope, Optical - (1970s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km

Weapons / Loadouts:

- SCAD 102 - (Internal) Decoy (Expendable). Subsurface Max: 1.9 km.
- SCAD 200 - Decoy (Expendable). Subsurface Max: 1.9 km.
- UGM-109C Tomahawk Blk III TLAM - (1994, TT) Guided Weapon. Land Max: 1852 km.
- Spearfish Mod 0 - (1994) Torpedo. Surface Max: 11.1 km. Subsurface Max: 11.1 km.
- UGM-109E Tomahawk Blk IV TACTOM - (2008, TT) Guided Weapon. Land Max: 2963.2 km.