

A.244/S Mod.3

Light Weight Torpedo

DEVELOPMENT

The A244/S Mod 3 Lightweight Torpedo (commercialised by EuroTorp) represents the latest upgrade of the world-wide proven A244/S, a LWT in service with more than 15 Navies, designed to counter the threat posed by both modern conventional submarines.

A new and more powerful propulsion battery, with an increased number of cells, ensures a 50% increase in the endurance of the weapon. The introduction of an electronic controller allows a variable speed propulsion with further advantages in terms of endurance and hitting probability.

The acoustic performance of the A244/S in very shallow waters is now supported by an Advanced Digital Signal Processor module, to counter the latest and more sophisticated torpedo countermeasures. The A244/S Mod 3 torpedo can be launched from any surface platform and aircraft.

COMPOSITION

- The Acoustic Seeker, with preformed multiple transmission and reception beams and multi-frequency operating capability, ensures high performance in very shallow waters and very long engagement distances.

- The omni-directional type of Warhead is designed to maximise the lethal effect of the torpedo.
- The Guidance & Control System is based on modern microprocessor technology.
- The Advanced Digital Signal Processor, introduced in the latest Mod 3 upgrade, is capable to classify and track several targets simultaneously, allowing a clear discrimination between the target and countermeasures.
- The Propulsion System is based on a non-toxic and extremely safe seawater battery with a d-c contra-rotating motor which directly drives the propeller shafts.

MAIN ACOUSTIC FEATURES

- Active acquisition range in excess of 2100 m
- Very low TS acquisition capability
- Active, passive and mixed mode of operation
- Narrow and broad band acoustic modes
- Bottomed target detection capability
- Wide acoustic coverage
- High resistance to anti-torpedo countermeasures: spatial diversity, multi-frequency, signal processing, classification criteria
- Late target alert by low radiated noise and programmable acoustic enabling distance

- Salvo mode capability

MAIN DYNAMIC FEATURES

- Maximum speed more than 38 kts, high speed 36 kts, minimum speed 28 kts
- Endurance in excess of 13,500 m (low speed) or 10,000 m (high speed)
- Very low radiated noise
- Efficiency of propulsion system independent of operational depth
- Very shallow waters operation capability (40 m)

SYSTEM FEATURES

- Computer based TFCS, linked to Command & Control System and to on-board sensors
- Automatic selection of torpedo pre-set data to achieve maximum hitting probability
- High reliability
- Easy and safe maintenance
- Low-cost logistic support

DIMENSION AND WEIGHT

Length: 2750 mm

Diameter: 324 mm

Weight: 250 Kg