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EXOCET MM40 BLOCK 3

The latest generation anti-ship missile system

Anti-ship Missile: Make in India

Exocet MM40 Block 3, with its tried and tested capabilities already in service with several navies around the world, offers an ideal solution for navies looking for the latest generation of anti-ship missile for fitment on new build vessels or as a retrofit on in-service vessels. Should the Indian Navy opt for such a solution, this would see production carried out in India by L&T MBDA Missile Systems Limited (LTMMSL), the joint venture between the international engineering conglomerate Larsen & Toubro and MBDA, Europe's leading missile and missile systems company. Apart from providing the Indian Armed Forces sector with all the benefits associated with the transfer of the latest generation anti-ship technologies, Exocet MM40 Block 3 offers distinct operational and logistics advantages to the Indian Navy – Alongside already chosen Exocet (in its SM39 variant) for the Kalvari class submarines.

The EXOCET MM40 BLOCK 3 weapon system is the latest generation ship-borne variant within the EXOCET family (recognized worldwide as the benchmark for anti-ship missile capability and effectiveness).

EXOCET MM40 BLOCK 3 provides a very long range capability, even in adverse weather conditions:

- 200 km class operational range at very low altitude against all classes of warship
- All-weather capability (an active RF homing seeker head is a must to achieve this)
- High hit probability even against moving targets
- Littoral and coastal land attack capabilities
- Outstanding penetration capability against enemy air defences
- High flexibility to cope with complex attack scenarios

A new navigation and propulsion package on EXOCET MM40 BLOCK 3 allows for the programming of 3D way-points, optimised trajectories and simultaneous terminal attacks of multiple missiles.

EXOCET MM40 BLOCK 3 is compatible with most of the EXOCET logistics support assets already in service. Its launching system is interoperable with all MM40 versions, thus enabling a smooth transition to BLOCK 3. The MM40 BLOCK 3 shipset is versatile enough for installation on a wide range of naval platforms

- Deployable in adverse weather conditions
- Capable of manoeuvring through complex combat scenarios
- Long range capability against moving targets
- Littoral warfare and coastal land attack
- Compatible with existing EXOCET MM40 assets

Airframe

- Optimised for high G terminal manoeuvres
- Low observability: reduced IR and RCS signatures

Propulsion

- A single jettisoned rocket booster at launch and a new turbojet engine, giving operational flexibility and long range engagement

Navigation

- 3D way-points navigation based on a hybrid INS/GPS package and a radar altimeter
- Self adapted Sea-skimming flight profile

Terminal guidance

- Advanced J-band active RF seeker with adaptive search patterns
- Land attack on coordinates

Warhead

- Insensitive warhead
- Optimised HE blast and pre-fragmented effects
- Impact fuze and Proximity fuze function

Missile characteristics

- Weight: 780 kg
- Length: less than 6 m
- Diameter: 350 mm
- Speed: high subsonic

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L&T MBDA Missile Systems Limited is a Joint Venture of Larsen & Toubro Limited and MBDA

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