MKII CL

MARK II CANISTER LAUNCHER

KONGSBERG

MKII CL

Mark II Canister Launcher

Multi-Missile Launcher

The NASAMS Multi-Missile Launcher is designed to transport, aim, and fire different missile types from a single launcher using protective canisters on a common launch rail. Each launcher enables rapid engagement of single or multiple airborne targets with up to six ready-to-fire missiles.

The launcher has been qualified and fired with the following missiles:

- AIM-120 AMRAAM (B/C5/C7/C8) – Active RF-guided missile
- AMRAAM ER – Extended range and altitude using the AIM-120 guidance section
- AIM-9X-2 Sidewinder – Infrared-guided missile

The combination of AMRAAM, AMRAAM ER, and AIM-9X provides layered defence within a single system, covering a wide range of the IAMD threat spectrum. NASAMS multi-missile TEWA automatically recommends the optimal missile and launcher per engagement, maximizing probability of kill while reducing cost per engagement.

LAUNCHER features

Missile Capability

- Flexible mixed missile configurations with six ready-to-fire missiles per launcher
- Network target and guidance data supporting pre-launch and in-flight control

Proven and Robust Design

- Fielded and combat proven in Ukraine
- Very high robustness and reliability (high MTBF)

Low Life Cycle Cost

- Designed for low life cycle cost
- Minimal maintenance and logistics burden

Mobility and Operational Use

- Transportable by truck, rail, and sea
- More than 1300 missiles fired from NASAMS launchers

Background

The NASAMS Canister Launcher was originally developed for the AIM-120 AMRAAM and has evolved into a multi-missile launcher supporting several missile types. The current Multi-Missile Launcher (MK2) builds on the proven MK1 design and has supported more than 1300 live missile firings under varied tactical and climatic conditions.

Multi-Missile Launcher Capability

The launcher provides 360° all-weather, day-and-night launch capability. Remotely controlled by the KONGSBERG Fire Distribution Center (FDC), it serves as the direct interface between missiles and command and control, transmitting target and guidance data before and during missile flight to enable rapid and coordinated engagements.

Combat Proven and Reliable

Each launcher holds six ready-to-fire missiles in any mix and supports simultaneous engagements. In battalion configurations, all missiles can be launched against individual targets within seconds. The launcher is fielded or under delivery to 15 customers, including continuous 24/7 operations in the U.S. National Capital Region. Operational use has proven high reliability, availability, and low maintenance, delivering a low-risk, low life-cycle-cost solution even in extreme weather.

Transportability

The launcher is highly mobile and transportable by C-130, helicopter, road, rail, and sea, and complies with the Bern Tunnel Profile. It supports truck-mounted or ground emplacement, features short time-to-action, and can fire from vehicle or ground. A full six-missile reload takes less than 30 minutes with a trained crew.

Key Elements

- Flexible Configuration: Baseline FDC configurable across roles, platforms, and domains, with selectable functionality, interfaces, and number of operator workstations.
- Multi-Domain Integration: Integrates sensors, effectors, higher echelon units, and adjacent forces into one coherent system across the multi-domain battlespace.
- Interoperability at Scale: Supports standard tactical data links as well as national and proprietary links, ensuring interoperability with national, EU, and NATO forces.
- Integrated Decision Support: Provides mature and fielded tools for threat evaluation, weapon allocation, and generation of a single integrated air picture.
- Distributed Operations: Enables fully netted and distributed Air & Missile Defence operations through network access nodes and coordinated battle management.
- Low Life Cycle Cost: High degree of commonality, use of COTS and non-developmental items, and reduced manpower requirements ensure low LCC.

Kongsberg Defence & Aerospace AS
P.O. Box 1003
N-3601 Kongsberg, Norway

Phone: +47 32 28 82 00

Kda.office@Kongsberg.com