



## PLATFORM INTEGRATION

# HEMAT M989A1 Heavy Expanded Mobility Ammunition Trailer

## Multi-Purpose Munitions and Cargo Mover of Choice

The M989A1 Heavy Expanded Mobility Ammunition Trailer (HEMAT) is an 11 ton, wagon configuration, off-road trailer designed to move the US Army's Multiple Launch Rocket System (MLRS) missile pods and munitions. The versatility of the HEMAT enables the U.S. military to accomplish multiple mission ranging from its primary role of hauling MLRS missile pods, to aircraft munitions, to fuel pods and bladders, as well as a multitude of other cargo. The four wheel wagon configuration design functions to provide a stable platform with the added benefit of a balanced suspension system to further enhance off-road capability. Another benefit of this design configuration is the ease in which the trailer can be hitched and unhitched to the prime mover. The trailer's tongue

is easily maneuvered to the towing pintle while the load remains stable and supported. This design enables users to rapidly drop off a loaded trailer without the need to support a heavy trailer tongue. Users must only chock block the wheels to create a safe environment around the HEMAT.

The HEMAT's performance was demonstrated on the battlefields of Iraq and Afghanistan where the reliability, and off-road capability served the military exceptionally well.



## HIGHLIGHTS

- Curb weight: 4,932 kg / 10,850 lbs.
- Payload: 10,000 kg / 22,000 lbs.
- Deck area: 4470.4 mm x 2438.4 mm / 176 inches x 96 inches



## PERFORMANCE FEATURES

### MISSION PAYLOAD

Primary: four Multiple Launch Rocket System pods

Secondary: rockets, missiles and ammunition, palletized/unpalletized cargo

Fuel transport: two 2,271.2 liter / 600 gal. pods or two 1,892.7 liter / 500 gal. bladders

Prime Movers

M977 Series Truck Heavy Expanded Mobility Tactical Truck

M270A1 Self-Propelled Launcher / Loader

### WEIGHTS

Gross vehicle weight: 14,932 kg / 32,850 lbs.

Curb weight: 4,932 kg / 10,850 lbs.

Payload: 10,000 kg / 22,000 lbs.

### OVERALL DIMENSIONS

|                                  |                                |
|----------------------------------|--------------------------------|
| Center of lunette to rear bumper | 780 cm / 307 inches            |
| Width of structure               | 244 cm / 96 inches             |
| Height of structure              | 145 cm / 57 inches             |
| Cargo area                       | 447 x 244 cm / 176 x 96 inches |
| Wheel base                       | 594 cm / 234 inches            |

### GROUND CLEARANCE - (UNLOADED)

55 cm / 21.7 inches to trailer structure

37 cm / 14.7 inches to bottom of axles

### SLOPE PERFORMANCE, STABLE OPERATION

40% longitudinal slope

30% side slope

### BRAKES

Air actuated drum, 16.5 x 5 shoes

### SUSPENSION

Self-adjusting, air suspension

### FINISH

3-color camouflage chemical agent resistant coating

### TRANSPORTABILITY

C-130 aircraft (unloaded)

CH-47 helicopter sling lifted (unloaded)

C-17 and C-5 aircraft (loaded)

Highway, marine and rail (loaded and unloaded)

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