



HX2 8x8 SYSTEMS CARRIER PLATFORM

MILITARY TRUCK SYSTEM

Purpose-built for military operations, the HX family delivers rugged reliability with a service life of 20+ years, proven by more than 18,000 units in service worldwide. Featuring high commonality from 4x4 to 10x10, it ensures low lifecycle costs, simplified logistics and minimal training requirements. Backed by Rheinmetall and MAN's global support network, the HX represents a true military off-the-shelf solution, designed to meet the demands of today's complex mission environments and evolving military standards. This specific configuration features an advanced mobile mast system designed to provide operators with maximum communication range and rapid deployment speeds.

Integrated with the HX carrier vehicle, the system includes all necessary components for fully autonomous operation. Even with high head loads, the mast ensures stability without the need for external tensioning cables, drastically reducing setup and teardown times.

SELECTED HIGHLIGHTS

- Protected cabin available according to STANAG with NBC protection
- Engine qualified for low grade/high sulphur fuels (F34)
- Climatic operational range from -32°C up to $+49^{\circ}\text{C}$
- 1.5m fording without preparation according to STANAG
- Military lighting (blackout, IR, working and convoy lights)
- Interface for customized weapon mounts (swivel ring, RCWS, etc.) and protection systems
- In accordance with military EMC standards
- Sophisticated storage concept to meet military requirements (mission & personal gear, C4I, etc.)
- Seats optimized for soldiers wearing protective vests
- NATO shackles, tow bar, tow coupling (front), trailer coupling (rear), and self recovery winch
- NATO inter-vehicle slave start, trailer sockets, 4x 12V/100Ah batteries and 180A generator
- Lashing points for air, sea, rail and road transport
- Chassis corrosion protection (MAN military standard) and military paint finish according to STANAG
- High degree of parts commonality for maximum service quality
- Benefit from our through life support utilising existing OEM networks wherever possible
- Upgradeability with add-ons, PDS tasks & safety updates by System House Rheinmetall

DRIVE TRAIN

Engine

- MAN D2676 Diesel engine
 - 6 cylinder in-line configuration
 - 397 kW (540 hp)
 - 2500 Nm
- Euro V emission standard
- Compatible with both diesel & military fuels (F-34)

Transmission

- 7-speed fully automatic transmission or

Transfer case

- 2-speed transfer case with power take-off (PTO)
- Optional with neutral position and/or disengageable front-wheel drive

RUNNING GEAR

Brakes

- Electronic brake system with hill-holder and ABS for off-road applications

Axles

- 11 t front- and 13 t rear axles for maximum load capacity
- Planetary hub reduction axles with differential locks

Tyres ¹⁾

- Standard: single tyres up to 16.00 R20
- Snow chain compatible for all tyre sizes
- Runflats or beadlocks
- Central Tyre Inflation System (CTIS) or Semi-Automatic Tyre Inflation System (STIS)

Suspension

- Heavy duty leaf spring suspension designed for off-road applications

CABIN

- Prepared for weapon station
- Prepared for protection systems (e.g. smoke grenade launcher)
- Up to 3 seats
- Protected cabin in accordance with STANAG 4569

SUPERSTRUCTURE

- Operation even in high winds
- Operation at any mast height
- Fully automatic setup and takedown
- Short setup and takedown times
- Minimal space requirements
- High mobility even in extreme terrain
- Low maintenance requirements (standard intervals)
- High reliability
- Long service life (min. 20 years)

CHASSIS

Dimensions ¹⁾

Length	10,900 mm
Height	3,500 mm
Wheelbase ²⁾	1,800 + 3,875 + 1,500 mm
Additional wheelbase ²⁾	1,800 + 3,450 + 1,400 mm
Overall width	2,550 mm
Transportability	Designed for air, rail, road, sea

Weights ¹⁾

Gross vehicle weight	up to 41,000 kg
Chassis carrying capacity (with protected cab)	up to 21,000 kg

Performance ¹⁾

Approach angle	up to 40°
Departure angle	up to 40°
Ramp angle	up to 32°
Side slope	up to 40%
Gradient	up to 60%
Fording ability	1.5 m
Temperature range	–32°C to +49°C operable in climate zones A1, A2, A3, B3, C0, C1 (STANAG 2985)

Body examples

Load handling system (LHS), Swap body, Crane, Container carrier, Recovery, Tractor, Tanker, Tipper, System carrier, 155 mm Artillery system, Radar carrier, Air defence and Rocket launcher system, Bridge layer, Excavator

¹⁾ Depending on chassis configuration and equipment

²⁾ Other wheelbase options on request

MAST SYSTEM

Mast Package

- Max extension height 39 m
- 9 mast sections
- Operated by hydraulic cylinders and a cable drive

Base Frame

- Torsion-resistant steel construction
- Hydromechanical support
- Four swiveling support arms with integrated base plates
- Fully automatic leveling

Mast tip

- Torsion-resistant, weight-optimized steel construction
- Interfaces and mounts for antennas, swivel gear, and cable fastening
- Equipped with lightning rod, wind sensor, and aircraft warning light
- Power supply
- Generator set
- Complies with EU2016/1628 (Stage V) emissions standard when fueled with diesel
- Single-Fuel Concept NATO: Operation with diesel and other fuels (F63, F34, Jet A1) possible without modification in accordance with the Federal Emissions Act
- Equipped with a silencer capsule and external cooler
- Supplied with diesel from two 20-liter canisters