



HX3 6x6

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. The newly HX3 builds on the proven strengths of the HX2, combining its core military capabilities with state-of-the-art automotive technology.

HX3 NEW FEATURES

Maximum Crew Performance in Every Mission

- New cabin with enhanced ergonomics, modern interior design and maximum field of view
- Improved cabin protection and cabin suspension with superior off-road driving comfort
- Improved stowage concept for mission equipment, personal gear & C4I systems

Future-Ready Technology & Operational Efficiency

- Next generation militarized OEM powertrain with latest Euro VI engine and 190A generator
- New ADAS features and prepared for automated drive
- Developed to highest cyber security standards & compliant with ECE security regulations

ADDITIONAL HIGHLIGHTS

Enhancing Crew Protection & Tactical Superiority

- STANAG-compliant protected cabin with integrated NBC protection – delivering best-in-class crew survivability
- Military EMC compliance for secure communication and reliable performance in electronic warfare environments
- Military lighting for covert operations
- Optimized cabin & seating design to reduce fatigue during extended missions

Long-Term Availability & Reduced Lifecycle Costs

- High parts commonality & comprehensive through-life support for maximum fleet readiness
- Future-ready, upgradable platform with PDS support by system house Rheinmetall

DRIVE TRAIN

Engine

- MAN D2676 Diesel engine
 - 6 cylinder in-line configuration
 - 382 kW (520 hp)
 - 2650 Nm
- Euro V and VIe emission standard
- Compatible with both diesel & military fuels (F-34)
- Optional cold start capability (–46 °C)

Transmission

- 7-speed fully automatic transmission or 12-speed automated transmission

Transfer case

- All-wheel drive for tackling any terrain
- 2-speed transfer case
- 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)
- Protected cabin in accordance with STANAG 4569

CHASSIS

Dimensions ¹⁾

Wheelbase ²⁾	4,000 + 1,500 mm
Additional wheelbase ²⁾	4,050 + 1,400 mm
Overall width	2,550 mm
Transportability	Designed for air, rail, road, sea

Weights ¹⁾

Gross vehicle weight	up to 33,000 kg
Chassis carrying capacity (with protected cab)	up to 13,000 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 operatable in climate zones A1, A2, A3, B3, C0, C1 (STANAG 2985)

Body examples

Cargo, Crane, Tanker, Tipper, Container carrier, Tractor, Recovery, System carrier

¹⁾ Depending on chassis configuration and equipment

²⁾ Other wheelbase options on request

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