

# Patria

# Patria

XA-series  
Armoured Wheeled Vehicle Family

Effectiveness  
and excellence

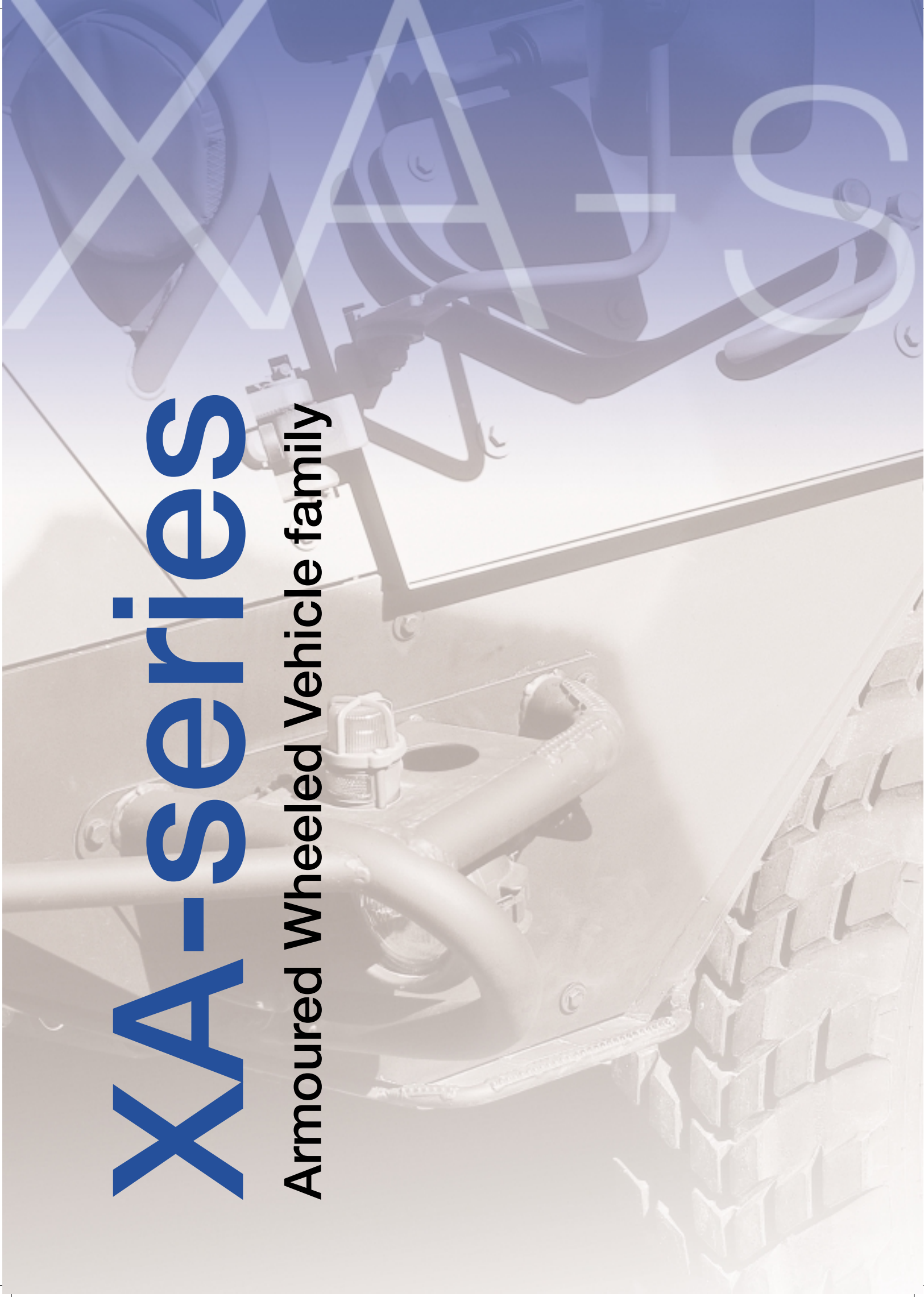


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# XA-series

Armoured Wheeled Vehicle family





The XA-series of armoured wheeled vehicles are known throughout the world for their superior effectiveness and excellent personnel protection. Each vehicle offers the highest degree of agility and spacious interiors. The XA vehicle series combines ease of use, reliability and easy maintenance.



# XA-202 Armoured Wheeled Vehicle



## XA-202 Armoured Wheeled Vehicle

*New model designed to serve as a platform for special command and communication systems requiring spacious interior, mobility and ballistic protection.*

The most optimum vehicle can be selected from the different variations within the XA-202 Armoured Wheeled Vehicle:

### **Different versions**

- Command and communication vehicle
- Radar carrier with foldable mast system
- NBC reconnaissance vehicle
- Ambulance
- Recovery and repair vehicle
- Mast versions

# XA-202 technical specifications

## Crew

2 + 4 (6)

## Chassis

High hardness welded armoured steel. Hull divided into four main sections: operator room, driver / commander compartment, engine room and APU room. Thermal insulation in operator room and in driver / commander compartment.

## Configuration

6x6 continuous all-wheel drive.

## Ballistic protection

Basic against 7.62x51 BALL, artillery splinters and mines. With add-on armour up to level 12.7 AP (optional).

## Dimensions

Lenght	8465 mm
Width	2925 mm
Height	3450 mm
Command room length	3200 mm
Command room width	2400 mm
Command room height	1500 mm
Own weight	18500 kg
Max. combat weight	23 000 kg
Fuel capacity	300 l

## Performance

Max. speed on road	90 km/h
Operating range	600 km
Max. gradient	60%
Max. side slope	30%
Fording depth	1.0 m

## Engine

Valmet 612 DWBIC (Euro 2), 6 in-line cylinders, turbo-charged, intercooled diesel 202 kW at 2100 rpm, max torque 1080 Nm at 1600 rpm.

## Transmission

Allison MD 3560 PR electronically controlled automatic gearbox with torque converter, PTO and retarder, 6+1 gears.

## Transfer case

2-speed with external oil cooler.

## Axles

Sisu axles with hub reduction and pneumatically operated 100% differential locks.

## Suspension

Parabolic leaf springs with hydraulic shock absorber.

## Steering

Hydraulic power steering, two first axles steering.

## Brakes

Dual circuit pneumatic automatically adjusted drum brakes.

## Electrical system

Brushless alternator according MIL STD, 24 VDC, 200 A.

## Doors and openings

Doors and openings 2 side doors and roof hatches for driver and commander, 1 rear door and 1 emergency exit hatch on the roof. 1 communication connection hatch (600 mm x 600 mm). 1 power external termination board. 1 spare signal connection on the roof (200mm x 300 mm). 4 fitting points for VHF antennas.

## Weapon system

Optional ring mount for 12.7 mm machine gun above the commander.

## Fire suppression

Automatic fire suppression system.

## APU

Installed 10 kW diesel auxiliary power unit. 400/230 VAC/50Hz, for operator room equipment.

## NBC

NBC filtering system.

## EMP/EMC protection

Operator room is protected against EMP, shield attenuation 40 dB. Operator room EMC according to MIL-STD 461D.

## Air conditioning system

Electrically powered air conditioning system.

## Heating

Preheating for main engine and for APU. Both heaters / engines watercircuits can be used for cabins heating.

## Air dehumidification system

Installed Munters MG 50 air dehumidifier and connections for external air drying systems.

## Observation

Bullet-proof windows in the drivers compartment. Windows are fitted with armoured steel covers. Optional periscopes for driver and commander. One periscope in the rear compartment.

## Options

- Hydraulic telescope tube mast and hydraulic support legs
- NBC filtering
- Chemical detectors (e.g. Environics M90)
- Radiation detectors
- Laser warning system
- Periscopes
- Night vision systems (image intensifier and thermal cameras)
- Smoke launchers
- Navigation systems (GPS, TACNAV, TELDIX etc.)
- Intercom systems (SOTAS, ROVIS etc.)
- Radios (VHF, HF) and communication systems
- Telescopic or foldable hydraulically operated mast systems for antenna, camera or sensor systems
- Support leg and levelling systems
- APU (generators) and power distribution systems
- EMP protection, standard in this model
- Ballistic protection possibilities within total weight limits



# XA-203 Armoured Wheeled Vehicle

## XA-203 Armoured Wheeled Vehicle

*Updated model of successful XA-series*

### Different versions

- Personnel carrier
- Infantry fighting vehicle
- Anti-aircraft missile version
- Anti-tank missile version
- Turret versions 7.62 MG – 90 mm cannon
- Recovery and repair vehicle
- Ambulance



A photograph of an XA-203 armored vehicle, a 6x6 military transport, parked on a gravel surface. The vehicle is olive green and features a large turret on its roof. The background shows a line of trees under a clear sky. The image is overlaid with a semi-transparent blue banner at the top containing the title 'XA-203 technical specifications'.

## XA-203 technical specifications

### Crew

2 + 10

### Chassis

High hardness welded armoured steel.

### Configuration

6x6 continuous all-wheel drive.

### Ballistic protection

Against 7.62x51 BALL, artillery splinters and mines, with modular armour Max. level 14.5 AP.

### Dimensions

Lenght	7450 mm
Width	2950 mm
Height	2600 mm
Own weight	14 500 kg
Max. combat weight	22 500 kg
Fuel capacity	300 l

### Performance

Max. speed on road	95 km/h
Operating range	600 km
Max. gradient	60%
Max. side slope	30%
Fording depth	1.5 m

### Engine

Valmet 612 DWBIC (Euro 2), 6 in-line cylinders, turbo-charged, intercooled diesel developing 202 kW at 2100 rpm, max torque 1080 Nm at 1600 rpm.

### Transmission

Allison MD 3560 PR electronically controlled automatic gearbox with torque converter, PTO and retarder, 6+1 gears.

### Transfer case

2-speed with external oil cooler.

### Axles

Sisu axles with hub reduction and pneumatically operated 100% differential locks.

### Suspension

Parabolic leaf springs with hydraulic shock absorber.

### Steering

Hydraulic power steering, two first axles steering.

### Brakes

Dual circuit pneumatic automatically adjusted drum brakes.

### Electrical system

Brushless alternator according MIL STD, 24 VDC, 200 A.

### Doors and openings

2 side doors and roof hatches for driver and commander, 2 rear doors and 2 roof hatches, 6 firing ports in the crew compartment.

### Heating

Preheating for main engine and for APU. Both heaters / engines watercircuits can be used for cabin heating.

### Air conditioning system

Hydraulically powered air conditioning system.

### Fire suppression

Automatic fire suppression system.

### Observation

Bullet-proof windows in the drivers compartment. Windows are fitted with armoured steel covers. Optional periscopes for driver and commander. Six periscopes in the rear compartment.

### Turret / weapon system

Patria Vehicles assembles various open and protected turret systems from 7.62 to 90 mm calibers according to customer requirements.

### Options

- Weapon systems for 7.62 mm MG, 12.7 HMG, 40 AGL, 25 mm or 30 mm cannons
- Anti-aircraft and Anti-tank (AT-) missile systems
- NBC filtering unit
- Chemical detectors (e.g. Environics M90)
- Radiation detectors
- Laser warning system
- Periscopes
- Night vision systems (image intensifier and thermal cameras)
- Smoke launchers
- Navigation systems (GPS, TACNAV, TELDIX etc.)
- Intercom systems (SOTAS, ROVIS etc.)
- Radios (VHF, HF) and communication systems
- Ballistic protection up to 14.5 AP.