Patria

Patria AMV XP
Armoured Wheeled Vehicle
Solution to Customer’s future needs

Patria AMV® is built on the success of Patria AMV and sets a new standard for the future 8x8 armoured wheeled vehicles. Spacious interior and high payload carrying capability provide a platform for future customer variants, allowing the simultaneous integration of weapon systems, protection and crew equipment.

Patria AMV®’s unrivalled mobility is based on an upgraded powerline providing 450 kW engine power together with an unforeseen Integrated Terrain Control System (ITCS).

Patria AMV®’s electrical power generation is measured to match the future requirements for C4I, Battlefield Management and Situational Awareness Systems. Health and Usage Monitoring System (HUMS) together with the vehicle’s digital backbone ensures 21st century soldiers to have the best possible platform to meet their objectives in every theatre of operation now and in the future.

Patria AMV® will further strengthen Patria’s leading armoured wheeled vehicle product range.

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Technical specifications

Dimensions

- Length: 8.4 m
- Height over hull: 2.4 m
- Width: 2.8 m
- Track width: 2.5 m
- Max. payload: 13 000 kg
- Max. combat weight: 30 000 kg

Performance

- Max. speed: > 100 km/h
- Climbing capacity: 60 %
- Side slope, max.: 30 %
- Obstacle: 0.7 m
- Trench crossing: 2.1 m
- Swimming (optional): 6-10 km/h
- Fording: 1.8 m
- Operating distance: 600-1000 km

Protection

- Modular ballistic, mine and IED-protection system according to customers’ requirements. Readiness for future protection technologies as well as future soldier equipment.

Electrical Power Generation

- Latest generation 530 Amp generator feeding the future electric power needs.

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LED-Light Technology

High performance, maintenance free driving lights

Engine

- Power output: 450 kW
- Torque output: 2250 Nm
- Engine type: 6 inline

Transmission

- Automatic: 7 + 1 gears

Driveline

- Drive axles: All wheel drive
- ITCS: Integrated Terrain Control System
- Brakes: Hydraulically operated disc brakes with ABS
- CTIS: Central Tyre Inflation System

Suspension

- Suspension type: Fully independent suspension with double wishbone on every wheel station
- Spring type: Hydropneumatic elements, height adjustment optional

Steering

- Steering type: Hydraulically assisted steering with mechanical linkage for 1st and 2nd axle, rear axle steering optional