



PARS III 6x6 Technical Specifications

Data subject to change without notice.

GENERAL	
Combat Weight	25,000 kg
Crew	9
Length	< 7 m
Width	< 2.9 m
Height Hull Roof	< 2.4 m
Air Transportation	A400, C-17, C-5
MOBILITY	
Engine	Diesel
Transmission	Fully Automatic, 7 Forward, 1 Reverse
Max. Road Speed	100 km/h
Creep Speed	3 km/h
Range	> 800 km
Gradient	60%
Side Slope	30%
Angle of Approach	50°
Angle of Departure	40°
Vertical Obstacle	0.7 m
Trench Crossing	1.75 m
Turning Radius	< 7 m (Curb to Curb)
Amphibious Capability	Optional
Suspension System	Independent, Double Wishbone, Hydro-Pneumatic Suspension with Ride Height Control
Number of Axles	3
Driven Axles	All Wheel Drive
Steered Axles	1, 3
Transfer Case	2 Speed
Service Brakes	Hydraulic and ABS at Each Wheel
Parking Brakes	Integral to Driveline, Spring Activated, Hydraulically Controlled

PROTECTION & LIFE SUPPORT SYSTEMS	
Ballistic Protection	STANAG 4569 (Level Classified)
Mine Protection	STANAG 4569 (Level Classified)
Smoke Grenade Dischargers	8
Automatic Fire Suppression System	Standard
CBRN Protection System	Standard
A/C and Heater	Standard
ARMAMENT	
Type	Manned and Remote Controlled Turrets and Missile Systems from Various Types and Origin Can be Integrated
MISSION EQUIPMENT	
360° Situational Awareness	Standard
Driver Vision System	Standard
Battlefield Management System	Standard
Navigation System	Standard
Communication Equipment	VHF/UHF Radios Crew Intercommunication System
Electrical System	MIL STD 1275, MIL STD 461 Isolated High Power for Mission Equipment
Auxiliary Power Unit (APU)	Optional

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PARS III 6x6

WHEELED ARMoured COMBAT VEHICLE (WACV)

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OVERVIEW



The PARS III 6x6 has been developed with a special emphasis on mobility, protection, payload, and growth potential. It is equipped with cutting edge armoured vehicle technologies to obtain performances and durability answering modern armies' operational requirements.

The PARS III 6x6 combat weight is 25,000 kg and is powered by a diesel engine. The powerpack consists of a water-cooled diesel engine, coupled to a fully automatic transmission that allows a maximum road speed up to 100 km/h. The PARS III 6x6 is capable of manoeuvring on a 60% vertical and a 30% side slope, climbing 0.7 meters high obstacles and crossing 1.75 meters wide trenches. Thanks to its unique design with its powerpack location and optimal weight balance, the vehicle has almost equal load on each axle.

This design approach gives the vehicle the ability to move comfortably even on loose and soft terrain, providing maximum control at high-speed and short braking distances. The vehicle has 6x6 driving characteristics, and all of its axles can be locked when necessary. The central tire inflation system allows the driver to adjust the tire pressure to suit different terrain conditions.

The PARS III 6x6 front and rear axle steering system gives the vehicle the lowest turning radius in its class. The ability of gradual decreasing the steer-by-wire angle of the rear axles and their locking over certain speeds, together with the ABS system and the engine brake, all contribute to enhanced driving safety. The two-man driver's section is located in front of the vehicle, which offers more than 180° horizontal field of view and a high level of driving safety and comfort. Large glass periscopes, and front driving and manoeuvre cameras with thermal cameras located at the front and rear of the vehicle provide high-level situational awareness for the driver and commander.

The door covers, personnel seats, rifle holders and interior lighting elements are all designed to ensure maximum crew comfort in the vehicle, which can accommodate up to nine personnel. With a range of over 800 km, the PARS III 6x6 has fuel tanks incorporating special measures to protect against explosion and puncture, an under-armour reserve fuel tank being also available in emergency situations.

Thanks to the modular design of the PARS III 6x6 hull and to that of its armour package, the vehicle protection level, both against ballistic and mine threats, can be tailored to customers' requests,

The hull form, underbelly structure, base plates and specially developed mine-resistant seats are designed to protect personnel against high-level mine threats. The PARS III 6x6 vehicle runs ahead of its competitors by offering ballistic and mine protections levels similar to MRAP vehicles while maintaining combat and mobility characteristics of modern armoured combat vehicles.

The PARS III 6x6 has an integrated air-conditioning system, which keeps the vehicle's internal temperature at +25 °C even in hottest desert conditions.

The modular connection of the vehicle subsystems to the mine-resistant hull ensures ease of maintenance and replacement. This ease of maintenance and the easy replacement of moving parts and the power transmission systems in particular make the PARS III 6x6 superior to its counterparts. The powerpack architecture, which can be disassembled and reassembled in less than 60 minutes, gives the user the freedom to replace the engine while on the field, providing maximum readiness levels in combat situations.



Watch the Video