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PARS III 8x8 Technical Specifications

Data subject to change without notice.

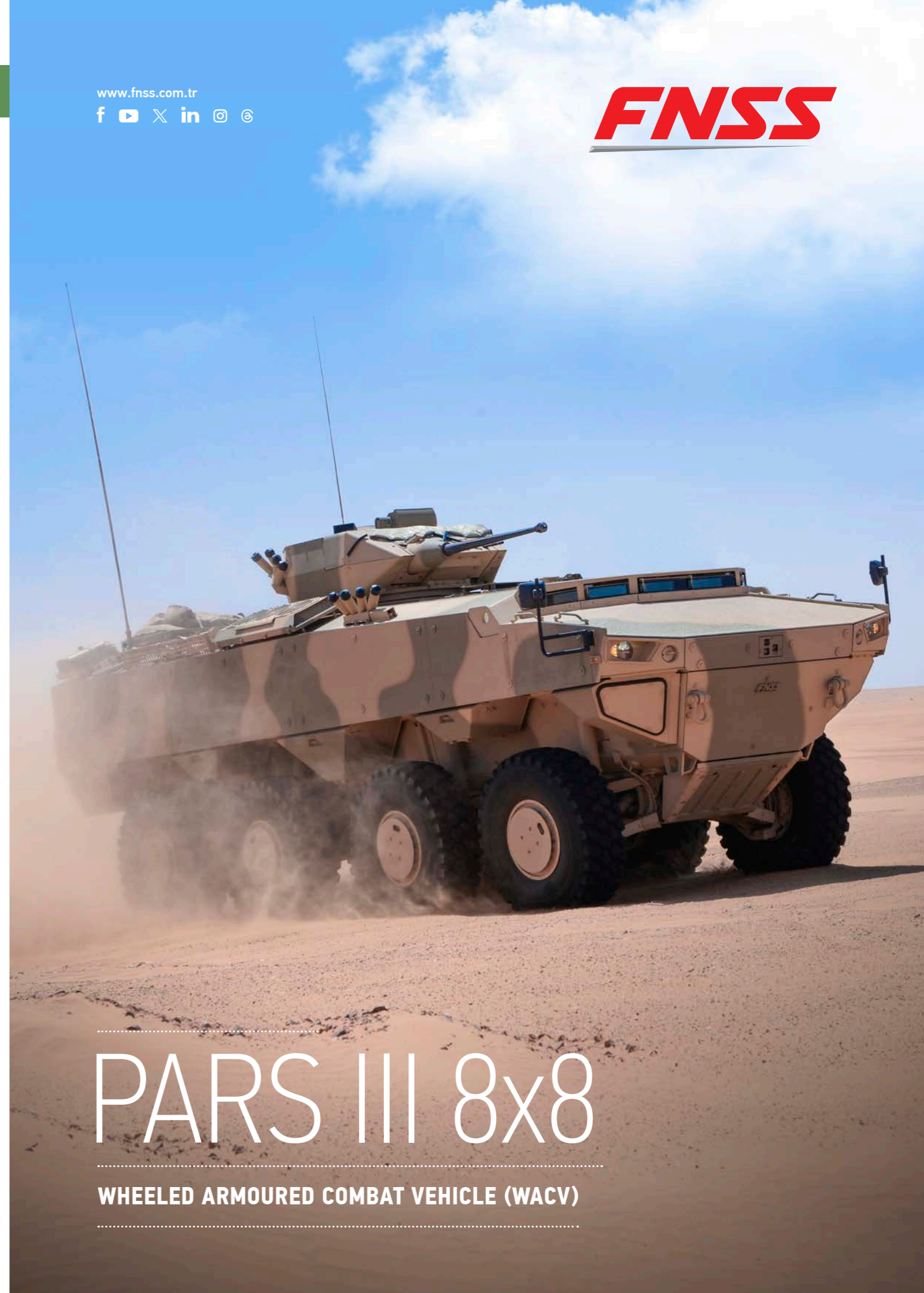
GENERAL	
Combat Weight	30,000 kg
Crew	9+3
Length	< 8 m
Width	< 3 m
Height Hull Roof	< 2.4 m
Air Transportation	A400M, C-17 and C-5

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	2 m
Turning Radius	< 8 m (Curb to Curb)
Amphibious Capability	Optional
Suspension System	Independent, Double Wishbone, Hydro-Pneumatic Suspension with Ride Height Control
Number of Axles	4
Driven Axles	All Wheel Drive
Steered Axles	1, 2, 3, 4
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, Mortar and/or 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



PARS III 8x8

WHEELED ARMoured COMBAT VEHICLE (WACV)

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FNSS Savunma Sistemleri A.Ş.
Ogulbey Mahallesi Kumludere Caddesi No: 11 Golbasi 06830 Ankara - Türkiye
T +90 (312) 497 43 00 F +90 (312) 497 43 01 - 02

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OVERVIEW

The PARS III 8x8 has been developed with 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 8x8 combat weight is 30,000 kg, and the vehicle is powered by a diesel engine. The power pack consists of a water-cooled diesel engine, coupled to a fully automatic transmission, allowing a maximum road speed up to 100 km/h. The PARS III 8x8 can overcome a 60% vertical and a 30% side slope, climb 0.7 meters-high obstacles and cross 2 meters-wide trenches. Thanks to its unique design with its powerpack location and optimal weight balance, the vehicle has an 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 8x8 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 8x8 all-axle steering system gives the vehicle the lowest turning radius in its class at 8 meters. 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. Thanks to ergonomic door design, 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 dismounts. With a range of over 800 km, the PARS III 8x8 is fitted with safety fuel

tanks against punctures and explosion, a reserve fuel tank under-armour being also available in emergency situations.

Thanks to the modular design of the PARS III 8x8 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 shape, underbelly structure, base plates and specially developed mine-resistant seats are designed to protect personnel against high-level mine threats.

The PARS III 8x8 vehicle runs ahead of its competitors by offering ballistic and mine protection levels similar to MRAP vehicles while maintaining combat and mobility characteristics of modern armoured combat vehicles. The PARS III 8x8 has an integrated air-conditioning system, which keeps the vehicle's internal temperature at +25 °C even in the hottest desert conditions.

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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 8x8 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

PARS III 8x8
WHEELED ARMoured COMBAT VEHICLE (WACV)



VARIANTS



PARS III 8x8 IFV

The IFV variant is the Infantry Fighting Vehicle configuration of the PARS III 8x8 FoV. The vehicle is armed with a stabilised manned or remote controlled SABER 25 Turret armed with a 25 mm automatic cannon and can carry up to 11-12 personnel including driver, commander and gunner.



PARS III 8x8 CFV

The CFV variant is the Cavalry Fighting Vehicle configuration of the PARS III 8x8 FoV. The vehicle is fitted with a TEBER manned or remote-controlled turret armed with a 30 or 35 mm cannon, and can carry up to 7 personnel (manned turret) or 11 personnel (remote controlled turret) including driver, commander and gunner.



PARS III 8x8 ICV

The ICV variant is the Infantry Carrier Vehicle configuration of the PARS III 8x8 FoV. The vehicle is armed with a SANCAK 12.7 mm remote controlled turret station (RCTS) and can carry up to 12 personnel including driver, commander and gunner.



PARS III 8x8 SPM

The SPM variant is a Self-Propelled Mortar configuration that provides indirect fire support. The vehicle can be armed with an 81 or 120 mm mortar and a self-defence SANCAK remote controlled turret with 12.7 mm MG. It carries 4 personnel including driver, commander and 2 mortar crew.



PARS III 8x8
WHEELED ARMoured COMBAT VEHICLE (WACV)



VARIANTS



PARS III 8X8 CP

The CP is the Command post variant of the PARS III 8x8 FoV. It is used as an operational staff officer's command post at Brigade or Battalion echelon. It can also be configured as a Fire Direction Centre. The vehicle is armed with a self-defence SANCAK remote controlled turret with 12.7 mm MG and carries 8 personnel including driver, vehicle commander and staff officers.



PARS III 8X8 ENGINEERING VEHICLE

The PARS III 8x8 Engineering Vehicle clears surface laid mines and threats found within the path of the total width of the vehicle, from roads, tracks and rough terrain, opening a cleared route for the mechanized infantry and follow-on vehicles. It carries 6 personnel including driver, commander and 4 sappers.



PARS III 8X8 AMEV

The AMEV is the Armoured Medical Evacuation Vehicle configuration of the PARS III 8x8 FoV. The vehicle is highly manoeuvrable and designed primarily for casualty evacuation from front lines. It carries a driver, commander, and 2 medics with either 2 patients on stretchers and 4 seated patients, or 8 seated patients.



PARS III 8X8 ARV

The ARV variant is the Armoured Recovery Vehicle configuration of the PARS III 8x8 FoV. The ARV is fitted with a hydraulic crane mounted on the vehicle top plate and a hydraulic recovery winch mounted inside the vehicle, which facilitates the recovery and towing of both armoured and unarmoured vehicles. It is armed with a self-defence 7.62 or 12.7 mm MG and carries 4 personnel including driver, commander and 2 technicians.