

**GENERAL DYNAMICS**  
European Land Systems

# **PIRANHA**

Wheeled Vehicles 



Armoured Wheeled Vehicle

<b>MANUFACTURER</b>	GD European Land Systems-Mowag GmbH
<b>PRODUCT</b>	PIRANHA
<b>DRIVE MODE</b>	8x4 / 8x8
<b>CATEGORY</b>	Armoured Wheeled Vehicle
<b>NUMBER OF SEATS</b>	Up to 12



The PIRANHA is a highly mobile, armoured multi-role wheeled vehicle with a high payload and a large utilizable internal volume that provides highest protection against current threats. The modular adaptable integrated protection layout can be tailored against future emerging scenarios.

An economic Fuel Efficient Drivetrain System (FEDS) and the high performance EURO III compliant diesel engine provide the expected power and operating ranges.

The open vehicle architecture with health/usage monitoring system enables easy and flexible integration of various subsystems and provides the user and maintenance personnel with on-board diagnostic capability.

## Product Features

WEIGHTS		ENGINE		PROTECTION
Empty weight	18.5 t	Type	SCANIA DC13	Modular integrated protection layout
Payload	Up to 14.5 t	Fuel	Diesel	Baseline vehicle is designed for the highest level of protection against mine and IED threats
Gross vehicle weight	Up to 33 t	Performance	431 kW (EURO III)	Latest shielding technology against EFP threats
DIMENSIONS (approx.)		Torque	2200 Nm	Add on armour for different protection levels with coverage > 95%
		TRANSMISSION		Provision for the Active Protection System
Overall length	8 m	Manufacturer	ZF	Signature reduction
Height over hull	2.45 m	Mode of operation	Automatic	Ballistic protected fuel tanks
Overall width	2.8 / 3 m	Number of gears	7+2 reverse	ARMAMENT
Angle of approach	40° / 45°	DRIVELINE AND SUSPENSION		Remotely controlled light weapon stations up to heavy turret/gun systems
Angle of departure	36° / 35°	Drive mode	8x4 / 8x8	EQUIPMENT
Number of seats	Up to 12	Drivetrain	Fuel efficient Drivetrain System	High capacity Li-Ion batteries for extended silent watch operations
Air transportability	C-17, A400M	Suspension system	Independent for each wheel	Combined HVAC and NBC overpressure system
VEHICLE PERFORMANCES		Shock absorbers	Hydraulic on all wheels	Fire-suppression system for the crew compartment
Max. speed on roads	Up to 100 km/h	Brakes system	Pneumatic double-circuit brake with 6-channel ABS	Arctic kit
Creep speed	4 km/h			Modular electronic architecture (VELECTRONICS, MILCAN, HUMS), upgradeable according to customer requirements
Gradient	60 %			ADDITIONAL OPTIONS
Max. side slope	40 %			Modular customer specific protection
Max. climbing ability	Up to 0.75 m			Auxilliary power unit
Fording depth	1.5 m			Electrical A/C system
Trench crossing capability	Up to 2.2 m			Various variant specific equipment such as dozerblade, mine roller, laser and radar warner, driver camera system
Turning circle (curb-to-curb)	18 / 15 m			Power management system for supervision and control of all power sources
Range on roads	Up to 1000 km			Self-recovery winch
Voltage	28 V DC			

Please note that the technical data refer to the baseline vehicle. They might vary due to configuration, version and mission.

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