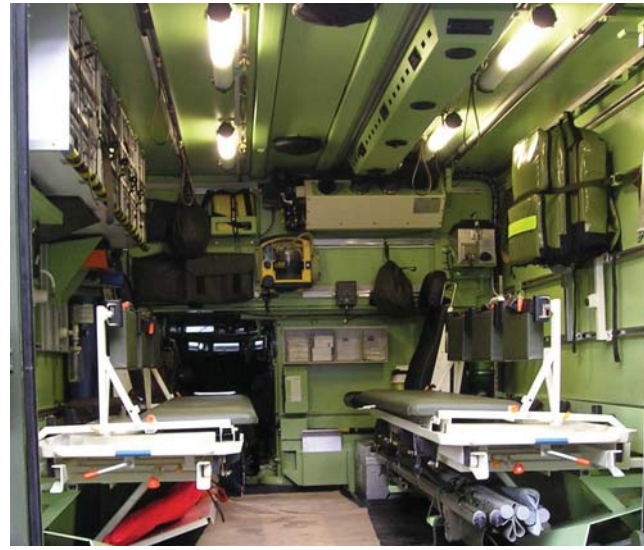


# P R O T E C T E D   A M B U L A N C E   V E H I C L E

Highly mobile, quickly deployable and well protected Ambulance vehicle.

This vehicle's very large internal width and height offers sufficient space to allow intensive care to patients on the move in a fully protected environment.

The flexible layout of the PIRANHA enables the easy installation of a wide range of most modern medical equipment.



## PIRANHA IIIC 8x8

A GENERAL DYNAMICS COMPANY

**MOWAGE**  
PROTECTED MOBILITY



# PIRANHA IIIC 8x8 AMBULANCE VEHICLE

## GENERAL STATISTICS

### Weights (approx.)

Ready for operation:	14.7 t
Payload:	3.8 t
Total weight:	18.5 t

### Dimensions (approx.)

Overall length:	7.20 m
Height over hull:	2.94 m
Overall width:	2.60 m
Internal volume:	15.00 m <sup>3</sup>
Ground clearance:	0.45 m
Angle of approach:	42°
Angle of departure:	37°

### Performances with GVW

Max. speed on roads:	100 km/h
Creep speed:	below 3 km/h
Gradient:	60%
Max. side slope:	30%
Max. climbing ability:	0.60 m
Fording depth:	1.40 m
Trench crossing ability:	2.00 m
Turning circle diameter (curb-to-curb):	17.0 m
Range on roads:	500 km
Voltage:	24 V
Power-to-weight ratio:	16.0 kW/t

### Engine

Type:	CATERPILLAR C9
Fuel:	Diesel
Performance:	294 kW (400 hp)
Torque:	1600 Nm

### Transmission

Type:	ZF 7HP602
Transmission:	automatic
Number of gears:	7 + 1 r.

### Driveline and Suspension

Transfer case: single speed gear  
 Axles: front axle drives disengageable  
 Wheels and tires:  
 12.00 R 20 XML, with central tire inflation system (CTIS), run-flat cores  
 Suspension:  
 independent for each wheel;  
 front: coil springs and control arms  
 rear: torsion bars

Shock absorbers:  
 hydraulic, on all wheels

Brakes:  
 dual circuit air actuated ABS 6S/6C  
 brake system

### Ballistic Protection

electrically welded high hardness  
 armour steel plates with provisions for  
 add-on armour

Ballistic protection:  
 against light and heavy machine gun  
 fire and artillery shell splinters; mine  
 protection kit

### Medical Equipment

- 2 stretcher suspensions, convertible to 3 seats each
- 1 provisional stretcher suspension
- Oxygen supply
- Ergonomical storage for medical equipment such as defibrillator, propaq, suction pump, shovel stretcher, vacuum mattress etc.
- Thermobox, water bag
- Ration warmer
- Flashing light / horn, residual travel recorder, rear view camera

### Equipment

- Air conditioning system with approx. 10 kW cooling capacity
- Heater kit for arctic operation down to -35° Celsius
- Automatic fire extinguishing system for engine compartment

### APU (Auxiliary Power Unit)

Power:	8 - 40 kW
Voltage:	400/230V (50 Hz)

### Crew:

Driver:	1
Commander:	1
Medical Crew:	2
Stretchers:	2 + 1
Seats for patients:	up to 6

