

## MULTI-ROLE ARMoured WHEELed VEHICLE

Well protected, very mobile, compact Multi-Role Armoured Vehicle with great carrying capacity and large internal volume.

Height-adjustable, semi-active hydro-pneumatic suspension system providing excellent crew comfort and outstanding mobility and agility.

Latest signature reduction technology and integrated digitized vehicle information system (VETRONICS).



# PIRANHA IV 8x8

A GENERAL DYNAMICS COMPANY

**MOWAG**  
PROTECTED MOBILITY



PIRANHA RG-SERIES EAGLE WEAPONS SYSTEMS TACTICAL VEHICLES FORMULA GD CANADA AUSTRALIA SWITZERLAND CALIFORNIA  
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### Weights (approx.)

Ready for operation:	15.0 t
Payload:	10.0 t
Total combat weight:	25.0 t

Overall length:	7.24 m
Height over hull:	2.20 m
Overall width:	2.80 m
Internal volume:	12.00 m <sup>3</sup>
Angle of approach:	42°
Angle of departure:	38°
Number of seats:	10 - 12

Max. speed on roads:	100 km/h
Creep speed:	below 3 km/h
Max. reverse speed:	13 km/h
Gradient:	60%
Max. side slope:	30%
Max. climbing ability:	0.70 m
Fording depth:	1.50 m
Trench crossing ability:	2.00 m
Turning circle diameter (curb-to-curb):	18.0 m
Range on roads:	750 km
Voltage:	24 V
Power-to-weight ratio:	16.0 kW/t

Type:	MTU
Fuel:	Diesel
Performance:	400 kW (544 hp)
Torque:	2000 Nm

## Transmission

Type: ZF-Ecomat  
Transmission: automatic  
Number of gears: 7 + 2 r.

Transfer case: single speed gear

Axles: all-wheel drive

Wheels and tires:  
395 / 85 R 20 XML, with central tire  
inflation system (CTIS), run-flat cores

Suspension:  
height-adjustable semi-active  
hydropneumatic and independent for  
each wheel

Shock absorbers:  
hydraulic, integrated in the hydrop  
elements

Brakes:  
six-circuit, pneumatic system with  
ABS (anti-locking brake system)

- electrically welded high hardness armour steel plates
- provisions for add-on armour kits against various threats
- mine protection kit

### Armament (example)

Type of turret:  
CTC 2-man, stabilized turret for fire on the move

Weapon (primary):  
30 mm rapid-firing chain gun Bushmaster II with thermal imaging sight

Weapon (secondary):  
7.62 mm co-axial machine gun M240

Weapon (ancillary):  
8x76 mm smoke and fragmentation grenade launchers

Ready rounds in turret:  
190 rounds 30 mm and  
400 rounds 7.62 mm

Gun/turret drive system:  
Azimuth: 360° continuous, > 57°/sec.  
Elevation: -10° to +45°, > 57°/sec.,  
< 0.15 mil/sec.

- Add-on armour kits, ballistic and mine protection
- Air conditioning system with approx. 12 kW cooling capacity
- Heater kit for arctic operation down to -40° Celsius
- Fire extinguishing system engine compartment and fire suppression system crew compartment
- NBC-system, overpressure and/or face mask
- Winch
- Traction control system
- Turning circle control system
- Further equipment available

