

## AMPHIBIOUS ARMoured PERSONNEL CARRIER

Well protected fully amphibious APC which fires on the move or while swimming to defeat soft and armoured targets. Ergonomically designed, it provides excellent comfort for the crew.

Superior cross-country mobility. Proven amphibious features also for seawater operations and high manoeuvrability due to joy stick steering control. Built-in safety and simplicity in operation.



# PIRANHA III C 8x8

A GENERAL DYNAMICS COMPANY

**MOWAG**  
PROTECTED MOBILITY



## PIRANHA IIIC 8x8

PIRANHA LG-SERIES EAGLE WEAPONS SYSTEMS TACTICAL VEHICLES FORMULA GD CANADA AUSTRALIA SWITZERLAND CALIFORNIA  
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### GENERAL STATISTICS

#### Weights

Ready for operation:	13.0 t
Payload:	5.5 t
Total combat weight:	18.5 t

#### Dimensions

Overall length:	7.58 m
Height over hull:	2.17 m
Overall width:	2.66 m
Internal volume:	11.80 m <sup>3</sup>
Ground clearance:	0.595 m
Angle of approach:	42°
Angle of departure:	38°
Number of seats:	10 - 12

#### Performances with GVW

Max. speed on roads:	100 km/h
Speed in water:	10 km/h
Creep speed:	below 3 km/h
Gradient:	60%
Max. side slope:	30%
Max. climbing ability:	0.60 m
Fording depth:	1.50 m
Trench crossing ability:	2.00 m
Turning circle diameter (curb-to-curb):	18.0 m
Range on roads:	500 km
Voltage:	24 V
Power-to-weight ratio:	16.00 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/C brake system

#### Ballistic Protection

electrically welded high hardness armour steel plates with provisions for add-on armour and mine protection kits  
 Baseline Ballistic protection:  
 against light and heavy machine gun fire and artillery shell splinters  
 Optional:  
 • Add-on armour kits  
 • Mine protection kit

#### Amphibious Kit

- Seawater cooling system
- Closable louvres of engine grills
- Water propulsion: 2 propellers
- Steering control of twin rudders
- Automatically operated trim vane
- Bilge pumps

#### Armament (example)

Type of turret:  
 CTC 2-man, stabilized turret for fire on the move  
 Weapon (primary):  
 25 mm chain gun M242 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:  
 240 rounds 25 mm and  
 400 rounds 7.62 mm  
 Gun/turret drive system:  
 Azimuth: 360° continuous, > 45°/sec.  
 Elevation: -7° to +59°, > 36°/sec., < 0.15 mil/sec.

#### Optional Equipment

- Combined NBC/Air conditioning system with approx. 12 kW cooling capacity
- Explosion suppression system for crew compartment
- Fire extinguishing system for engine compartment
- Further equipment available

