# 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 IIIC 8x8



# PIRANHA IIIC 8x8



HA RG-SERIES EAGLE WEAPONS SYSTEMS TACTICAL VEHICLES FORMULA GD. CANADA AUSTRALIA SWITZERLAND. CALIFOR I TACTICAL VEHICLES FORMULA GD. CANADA. AUSTRALIA SWITZERLAND. CALIFORNIA LAV DURO. PIRANHA. RG-SERIES EAG ID. CALIFORNIA LAV. DURO. PIRANHA. RG-SERIES. EAGLE. LAV. DURO. PIRANHA. RG-SERIES. EAGLE. WEAPONS SYSTEMS. TAC

#### **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

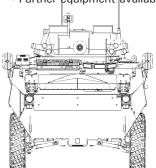
Ready rounds in turret: 240 rounds 25 mm and 400 rounds 7.62 mm

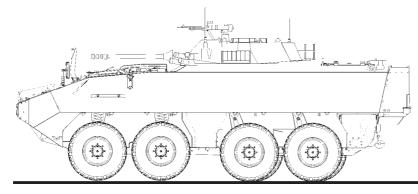
Gun/turret drive system:

Azimuth:  $360^{\circ}$  continuous,  $>45^{\circ}$ /sec. Elevation:  $-7^{\circ}$  to  $+59^{\circ}$ ,  $>36^{\circ}$ /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





MOWAG GmbH

Unterseestrasse 65, 8280 Kreuzlingen, Switzerland Phone: +41 (0)71 677 55 00, Fax: +41 (0)71 672 28 86

www.mowag.ch