

RG12

FOR MORE INFORMATION CONTACT:

Land Systems OMC
12 Barnsley Road
Benoni
1500
South Africa
Telephone +27 11 747 3300
Fax +27 11 845 1379
www.baesystems.com

Armoured personnel carrier



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RG12

Originally developed as an internal security and public order vehicle, the RG12 has proved to be highly effective in a number of other applications such as command vehicle, cash-in-transit vehicle, bullion carrier, tactical rescue vehicle, paramilitary APC, and surveillance vehicle.



In excess of 700 vehicles are in service in several countries worldwide. The RG12 shares many key components with the RG-31 mine protected vehicle including the driveline.

Offering a high degree of armoured protection, excellent on-and off-road mobility, versatility and outstanding in-service economy, the RG12 carries a driver, commander and between six and ten personnel. The welded all-steel armoured hull is of monocoque construction with all fittings welded or bolted to the hull.

Full depth doors allow ease of access and egress and enhance operational flexibility. Conventional hinged or pneumatically operated 'plug' type doors are available, dependant on the role the vehicle is to fulfil. The plug type doors remain close to the hull during opening and closing, facilitating deployment of the vehicle in narrow or restricted areas. Large armoured glass windows give the same ballistic protection as the hull structure, while providing excellent all-round vision. Additional metal mesh coverings protect glass surfaces, headlights and rotating beacons.

The RG12 features:
 - Improved Auxiliary Power Unit driven air conditioning
 - Improved ergonomics
 - Improved power-to-weight ratio
 - Provision for Central Tyre Inflation System (CTIS) and Anti-Skid Braking System (ABS)

The RG12 is readily adaptable to carry the Mobile Adjustable Ramp System (MARS*) to enhance its capability as a tactical rescue vehicle.

*MARS, manufactured by Patriot 3 of the USA, facilitates entry into aircraft and buildings for anti-hijack and rescue missions.

Specifications



OPERATIONAL CRITERIA

Dimensions

Length	5,800 mm
Width (excluding rear view mirrors)	2,300 mm
Height	2,700 mm
Wheel Base	3,000 mm
Ground Clearance	322 mm
Angle of Approach (without scraper)	34°
Angle of Departure	34°

Mass

Payload	*2,000 kg
Combat Mass/GVM	*12,000 kg
Tare	*10,000 kg
Seating	Driver +11

Performance

Maximum Speed	> 100 km/h
Gradeability	50% low range 25% high range
Turning Circle (Kerb to Kerb)	16 m

Protection Level

Ballistic protection	
Crew compartment and Roof @ 30° elevation	7.62 x 51 mm NATO Ball 5.56 x 45 mm NATO Ball

Engine

Make	Mercedes Benz
Model	6R106
Displacement	6.3 litre
Maximum power	180 kW
Maximum torque	780 Nm

Transmission

Make	Allison 2500 SP
Type	5-speed automatic

Transfer Case

Make	AxleTech T600
Type	2-speed permanent 4-wheel drive

Axles

Make	Axle Tech Series 4000
Type	Rigid with hub reduction

Steering System

Type	Hydraulically assisted re-circulating ball
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Suspension

Springs	Semi-elliptic leaf
Shock absorbers	Double acting, telescopic, hydraulic

Brakes

Service brakes	Pneumatic front and back
Parking brakes	Pneumatic release spring applied on rear axle

Road Wheels And Tyres

Rim	11.0 x 20
Tyres	335/80 R20 Michellin XZL or 365/80 Michellin XZL

RFI Optional

Options

- Powerful air conditioner (up to 14.3 kW)
- 1 x spare wheel
- Front mounted, pneumatically operated scraper
- PA. System
- Roof-mounted area spotlight
- Roof-mounted blue rotating beacons
- Auto fire extinguisher system

*With 365/80 R20 Michelin Tyres