

RG12 Mk4

ARMoured MULTI-PURPOSE SECURITY VEHICLE



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DENEL VEHICLE SYSTEMS



Though originally developed as an internal security and public order vehicle, the RG12 has proven just as effective in numerous other roles, e.g. command applications, cash-in-transit and bullion carriers, tactical rescue vehicles, paramilitary Armoured Personnel Carriers (APC), and surveillance. Over 700 vehicles are in service in various countries worldwide.

The vehicle offers a high degree of armoured protection, excellent on-and off-road mobility, versatility and outstanding in-service economy. The welded all-steel armoured hull is of a monocoque construction with all components welded or bolted to the hull.

The RG12 can be configured for a crew of up to 12 personnel.

The plug-type doors remain close to the hull during opening and closing, facilitating deployment from the vehicle in narrow or restricted areas. Armoured glass windows provide excellent visibility while providing the same ballistic protection as the hull structure. Metal mesh guards provide additional protection to ballistic glass surfaces, headlights, rotating/flashing beacons and other external equipment.

The RG12 Mk4 Features:

- Improved Auxiliary Power Unit provides additional power for improved air-conditioning and ancillary equipment
- Improved ergonomics
- Improved power-to-weight ratio
- Provision for Central Tyre Inflation Systems (CTIS) and Anti-Lock Braking System (ABS)
- The RG12 Mk4 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.

Dimensions

Length	6,160 mm
Width (excluding rear view mirrors)	2,415 mm
Height	2,814 mm
Wheelbase	3,063 mm
Ground clearance	338 mm
Angle of approach (without scraper)	32°
Angle of departure	35°

Mass

Curb	*11,000 kg
Payload	*2,000 kg
Gross Vehicle Mass (GVM)	*13,000 kg
*With 365/80 R20 Michelin Tyres	

Seating

Qty	Driver + 11
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Performance

Maximum speed	> 100 km/h
Gradeability	50% low-range 25% high-range
Turning circle (kerb to kerb)	14 m

Electrical System

Voltage	24 v
Alternator	3 x 200 A

Protection Levels

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

Make	Mercedes-Benz
Model	6R106
Displacement	6,3 l
Maximum power	180 kW
Maximum torque	780 Nm

Transmission

Make	Allison 2,500 SP
Type	5-speed automatic

Transfer Case

Make	GHM RTC-25
Type	2-speed permanent 4-wheel drive with locking center differential

Axles

Make	AxleTech series 4,000
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 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 Michelin XZL or 365/80 R20 Michelin XZL

RFI Optional

Options

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

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