RG31 Mk5 EHM

MINE PROTECTED ARMOURED PERSONNEL CARRIER



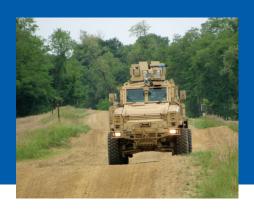
DENEL OMC

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The RG31 Armoured Personnel Carrier (APC) is the most mature combat-proven mine protected vehicle available.

The RG31 is a 4x4 vehicle with a V-shaped hull that protects the crew against anti-tank mine detonations and Armour-Piercing (AP) rifle fire.

The RG31 is successfully deployed with peacekeeping and military forces in numerous theatres. The vehicle boasts excellent levels of protection against landmines and IEDs, making this a highly effective multi-role armoured vehicle.

The RG31 is available as an APC or Utility Vehicle. The latter can be utilised for cargo or the modular mounting of a variety of weapon systems, such as 81 mm mortar, 106 mm RCL and 20 mm cannon. All variants are also readily adaptable to a variety of other applications, including command and control, rapid intervention, urban or rural patrols and Explosive Ordinance Disposal (EOD).

The RG31 has a V-shaped, monocoque welded steel hull. Access is through a wide rear door, as well as side doors, while roof hatches ensure emergency access and egress.

The APC variant accommodates a driver and up to nine crew. The powerful 221 kW diesel engine, all wheel drive and effective suspension system allow for excellent on-and off-road mobility. The utilisation of commercial off-the-shelf components facilitates easy maintenance, repair and support.

Dimensions

Length (including jerry co	an) 7,000 mm
Width	2,500 mm
Height (top of gun ring in	terface) 2,800 mm
Hump radius	3,276 mm
Wheelbase	3,805 mm
Ground clearance Center Axles	490 mm 460 mm
Angle of approach	36°
Angle of departure	36°
Mass	
Tare (including level 3 ballastic	16,000 kg c protection)
Payload	2,600 kg
Gross Vehicle Mass (GVA	18,600 kg
Seating	
Qty	Driver + 7
Performance	
Maximum speed (limited by tire rating)	100 km/h
Gradeability	60% low-range 25% high-range
Turning circle (kerb to ker	b) 16,2 m
Electrical System	
Voltage	24V DC
Alternator	570A or 450A with "high idle" capability
Protection Levels	

- Ballistic protection as per customer requirement
- Mine and IED protection
- Highly effective wide spectrum protection
- Spall liner solution available
- RPG net solution available

Engine

Make and model	Cummins QSB
Displacement	6,700 cm ³
Maximum power (DIN) 22	21 kW @ 2,500 rpm
Maximum torque (DIN)	1,100 Nm @ 00 rpm - 1,800 rpm
Transmission	

Make	Allison 3000 SP
Туре	6-speed automatic
Transfer Box	

Make and model	Denel (Gear Ratio)
	RGR 17T

Туре 2-speed, permanent 4-wheel drive

Steering System

Hydraulically assisted recirculation ball LH Drive, 2.5 turns lock to lock Power Cylinder fitted

Axles

Make and model AxleTech series 4500 ISAS Independent Suspension Pneumatic, dual circuit disc brakes with ABS

Brakes

Parking brake	Pneumatic release
Ü	spring applied on rear axle

Road Wheels and Tyres

Tyres	Michelin 395/85-R20 XZL with RFIs and CTIS
Rim type	10×20

Other Variants

- RG31 Mk5 EM (Oshkosh TAK4)
- RG31 Mk5 E (Solid beam axle, 275hp)
- RG31 Mk6 MMP (Mobile Morter Platform)

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