

Mercedes-Benz Military Vehicles
G-Wagon 280 CDI



LIGHT ARMoured PATROL VEHICLE (LAPV)



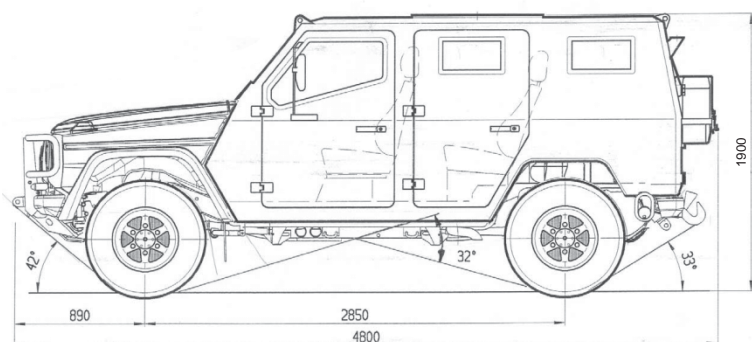
Mercedes-Benz

The G-Wagon 280 CDI LIGHT ARMoured PATROL VEHICLE (LAPV)

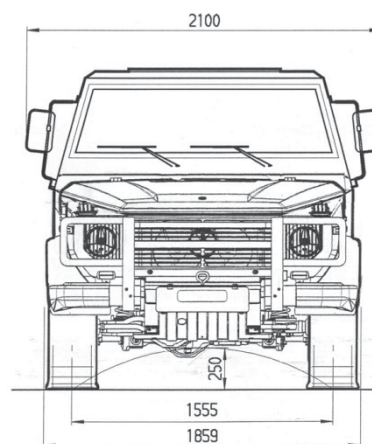
Increasing political instability throughout the world has required the United Nations to respond to individual "hot spots" with peace-keeping forces to restore political stability to the country and to provide security for the civilian population. The nature of these peace-keeping missions needs different equipment to function. In particular, the increasing use of *Improvised Explosive Devices* (IED) and advanced technology weaponry by the guerrillas require soldiers to have increased protection to enhance survivability. One aspect of this protection is the conduct of operations using armoured off-road vehicles that can withstand IEDs, conventional mines and direct gun-fire.

To address this need for armoured protection, Mercedes-Benz has selected a variant of the operationally proven G-Wagon. The *LIGHT ARMoured PATROL VEHICLE* (LAPV) is fitted with the 280 CDI turbo-charged V-6 diesel engine, has a wheelbase of 2.85m and an armoured monocoque five-door steel body.

The G-Wagon is the light vehicle of choice by military forces around the world and has been used operationally in peace-keeping operations. This operational experience has been incorporated in the design of the LAPV to create a military off-the-shelf vehicle with enhanced survivability, unmatched cross-country driving performance, while preserving excellent passenger comfort.

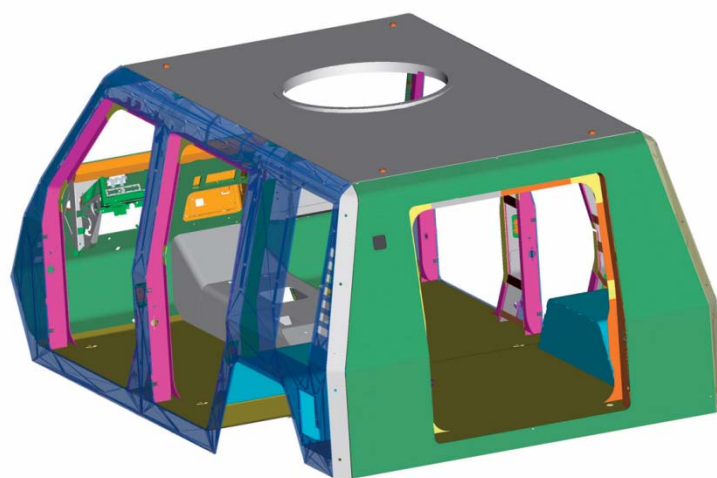
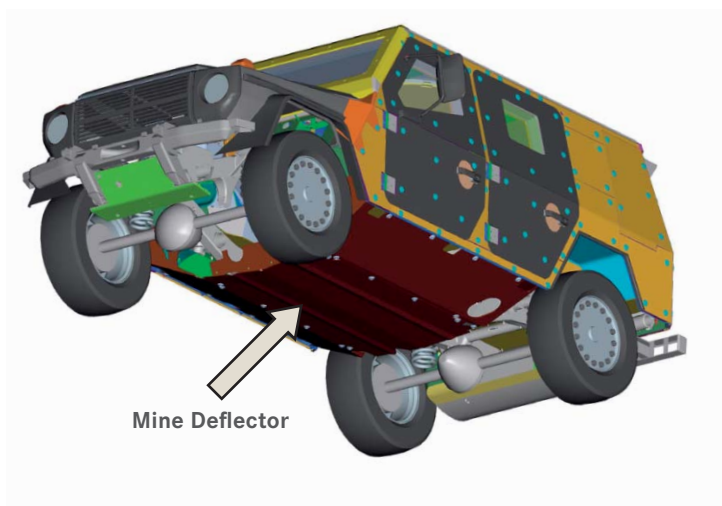
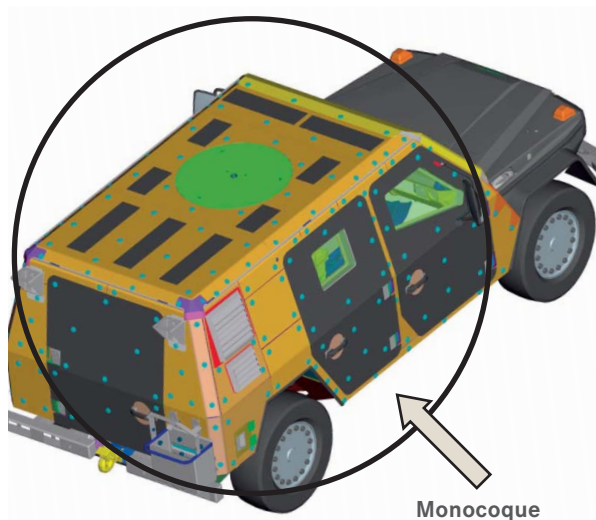


Dimensions in [mm]



Protection Concept Mercedes-Benz G 280 CDI, LIGHT ARMoured PATROL VEHICLE (LAPV)

Armouring/Protection Level accord. STANAG 4569	Ballistic	Level "2"
	Mines	"DM 31", Level "2a" as option
	Fragments	FSP 20 mm
	IED (Side blast)	15 kg TNT, 2 m distance
	Tires	Run Flat System with bead lock (2 piece rims)

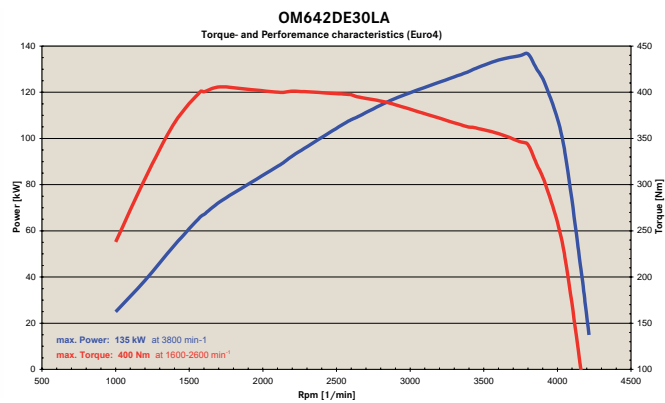
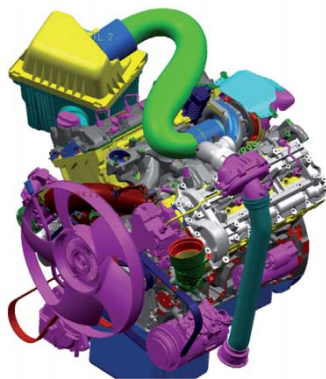


"Monocoque" body

Armoured vehicle body in protection class "Level 1",
fitted for "Level 2" add-on protection

Technical data for Mercedes-Benz G 280 CDI, LIGHT ARMoured PATROL VEHICLE (LAPV)

Engine	Mercedes-Benz 6 cylinder V turbocharged intercooled diesel engine with high pressure common rail injection system (CDI).
Displacement	cc 2987
Max. Power	135 kW (184 hp) at 3800 rpm
Max. Torque	400 Nm (295 ft-lbs) at 1600 – 2600 rpm
Type of fuel	Diesel and F34



Drive	4x4, permanent all-wheel drive with 2-speed transfer case and 100% differential locks on all axles and transfer case.
Gearbox	Mercedes-Benz automatic transmission W5 A 580, five-speed, with touchshift.
Transfer case	Mercedes-Benz two-speed transfer case 100% lockable. Differential lock electrically operated during driving.
Axles	Driven Mercedes-Benz rigid axles with coil springs and hydraulic shock absorbers. Front and rear axles are equipped with differential locks 100% lockable, electrically operated. Gross Axle Weight Rating: Front: 2.200 kg. Rear: 3.400 kg.
Frame	Ladder-type frame, bending resistant, torsionally stiff
Body	“monocoque” steel body, protection “Level 1”, fitted for protection “Level 2” or “3” (STANAG 4569)
Brakes	Dual circuit hydraulic brake system with vacuum booster. Disc brakes on front wheels, drum brakes on rear wheels, parking brake function on rear wheels.
Fuel tank capacity	96 litres
Electrical system	12 Volt and 24 Volt. 3 batteries, 2 alternators 12 V 150 A, 24 V 80 A
Payload	vehicle in protection “Level 2”: 900 kg.
Gross Vehicle Weight (GVW)	5.400 kg
Top speed	120 km/h* *) Limited to tires
Seat arrangement	4 x single seats.
Tires	265/70 R 17,5.
Fording	600 mm



G-Wagon 280 CDI

Range of special vehicles





Mercedes-Benz



For further information please contact:

DaimlerChrysler AG
HPC R102
D-70546 Stuttgart
Fax: +49-(0) 711-17-83432
E-mail: pbg.g-wagon@daimlerchrysler.com

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We reserve the right to make modifications to the design and equipment. The data contained in this brochure should be regarded as approximate. This brochure shows an excerpt of the Mercedes-Benz vehicle range, other specifications according to customer's requirements are possible. Please note that some models and services may not be available in certain countries due to local legislation.

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