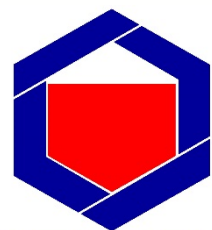


CASSPIR NG2000A MPV 4 x 4



CASSPIR Mine Protected Vehicles – Missions accomplished worldwide for more than 30 years ,its more than just a Legacy it's a CASSPIR – Simplicity, Reliability and Quality – Your MPV of choice suitable for many applications.

It is Time for the Next Generation – CASSPIR NG2000/2000A/2000B - Improved, Better and still trusted Quality based on its proven success history.



MECHEM

DENEL LAND SYSTEMS



MERCEDES-BENZ OM906LA

SPECIFICATIONS

Configuration	Turbo Charged Water Cooled 4 stroke diesel engine
Rated Output	170 kw @ 2 300 r/min
Rated Hp	231 Hp
Number of Cylinders	6 In line
Exhaust Emission	Euro 3

ENGINE SPECIFICATIONS

CASSPIR NG2000A is fitted with Mercedes Benz OM906LA Diesel Engine which delivers 810N.m @1200 to 1500 r/min.



GEARBOX

The CASSPIR NG2000A is fitted with a MB G 131-9 Manual transmission (Optional - Automatic Transmission based on Allison SP3000).

SPECIFICATIONS

Make/Type	G131-9
Forward Gears	9 Speed Manual

TRANSFER CASE

CASSPIR NG2000A is fitted with a two range type transfer case for High and low range application. Out of the Mercedes Benz ZF stable a reliable and simple design allows the distribution of torque and drive to the front and rear axles.

SPECIFICATIONS

Type	ZF VG900-3W
Ratio - Road	1:1
Ratio - Off road	1:403



BRAKES

Service	Dual Circuit Full-Air, drums all round
Emergency/Parking	Spring Brakes on Rear Acting Wheels
Auxiliary	Electric select Engine brake with a constant open throttle valve.

WHEELS AND TYRES

CASSPIR NG2000A is fitted with M-type single rear and front wheels.

SPECIFICATIONS (Standard)

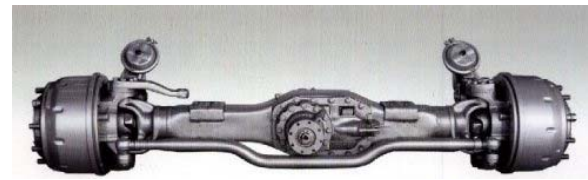
Rims	10:00 x 20 Single Steel
Tyres Type	M-Type
Tyre Size Front	14:00 x 20 Single
Tyre Size Rear	14:00 x 20 Single
Spare Wheel Qty	2
Spare Wheel Type	As above

OPTIONAL Wheels –CASSPIR NG2000A. Vehicle can be fitted with RFI as per Pic below with standard protection cover.



AXLES

CASSPIR NG2000A is equipped with the well known MB heavy duty axles and parabolic suspension, built to original specifications in cooperation with Daimler AG and Switzerland. Both axles fitted to the CASSPIR NG series models 2000, 2000A and 2000B is of a high axle load carrying capacity. Where majority MPV's are fitted with a 7000kg front axle, CASSPIR NG2000A is fitted with a 9000kg load carry capacity axle that allows for upgrade to B7 plus Armour. All materials used in the manufacturing are strictly German DIN compliant and standards.



FRONT AXLE

Type	AL7/01 DS-9 - with Diff lock
Suspension	Asymmetrical 3-leaf parabolic springs
Axle Load	9000 kg



REAR AXLE

Type	HL7/01DS-13 with Diff lock
Suspension	Multi -leaf parabolic springs with support leaf springs.
Axle Load	13 000 kg

CHASSIS

CASSPIR design is not on a vehicle chassis concept but adopt the welded V-shape **Monocoque** design where the drive train is bolted and integrated to the vehicle.



SUSPENSION

The suspension containing the axles and parabolic leaf springs with shock absorbers are fitted the hull of the vehicle. For added driver and ride comfort stabilize bars are fitted as standard.



STEERING

CASSPIR NG2000A can be either Left or right hand drive. Steering is a hydraulic operation .Fitted with a ZF8098 Steering box.

AIR CLEANER SYSTEM

CASSPIR NG2000A is fitted with a Donaldson dry paper element Air cleaner

ELECTRICAL EQUIPMENT

Alternator	24 V
Starter	24 V – 5,4 kW
Batteries	2 x 12 V, 120 Ah

HULL

One piece welded and bend single construction V-shaped Mine protected Hull.

SPECIFICATIONS (Standard)

Steel Type	Arm ox 500
Thickness	9mm
Level	B6 (Optional B7 Upgrade)

BALISTIC AND MINE PROTECTION DATA

Mine Protection Hull	14 kg Blast under Hull
Mine Protection Wheel	21 kg blast under any Wheel
Level	B6 7,62 mm x 51
STANAG KE	4569 L3
STANAG BLAST	4569 L4a & L4b

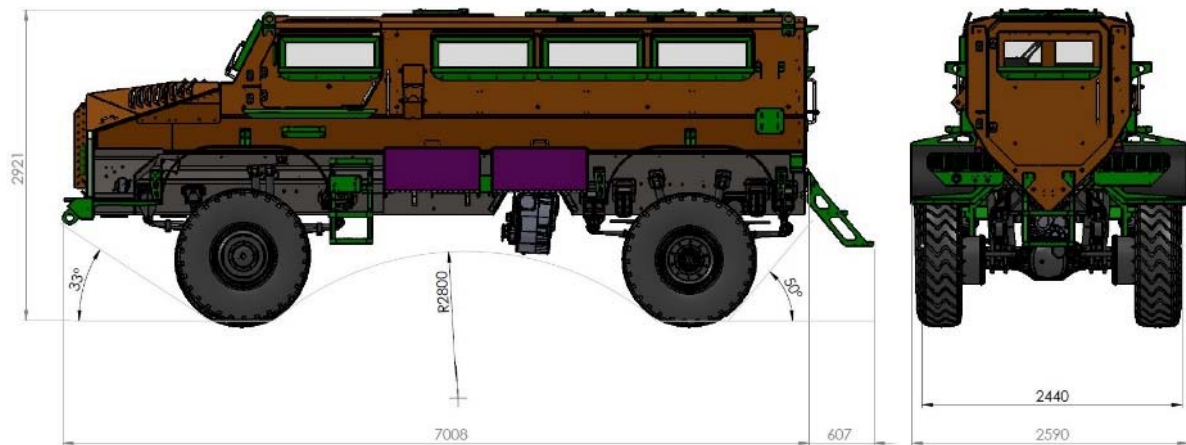


INSTRUMENTS

Standard interior vehicle Instruments that include speed/odometer, revolution counter, fuel, engine, temp and oil pressure gauges.

VEHICLE DIMENSIONS

Dead Weight	11 500 kg
Gross Vehicle Weight	14 500 kg*
Towing Capacity	13 500 kg
Wheel base	4 800 mm
Track width	2 440 mm
Overall length	7 008 mm
Overall Height	2 921 mm*
Overall width	2 590 mm
Hump Radius	R2 800
Ground Clearance	350 mm
Turning Radius	16 m
Step Height climb	500 mm
Ditch Crossing	800 mm
Fording depth	800 mm
Angle of Approach	33°
Angle of Departure	50°
Tilting Permitted	26°*



PERFORMANCE DATA

Speed	100 km/h
Climbing Capability	60%
Road Range	700 km
Off road Range	600 km

BALISTIC AND MINE PROTECTION DATA

Mine Protection Hull	14 kg Blast under Hull
Mine Protection Wheel	21 kg blast under any Wheel
Level	B6+ 7,62mm x 54 API

WINDOWS

CASSPIR NG2000A is fitted with ballistic tested polycarbonate laminated layered bullet resistant windows. Integrated within the window a gun port encased in a rubber with the complete window fitted to a frame.

INTERIOR



Large open interior with design features to shift the seat configuration as to client requirement. All seats are of the latest and tested ballistic type fitted with a 4 point safety harness system.

VEHICLE EXTERIOR

Vehicle is fitted with two side crew doors and one passenger rear entry exit door. A drinking water tank, two stowage lockable boxes and a battery box are all fitted to the side of the vehicle.

STANDARD ACCESSORIES

- Heavy Duty Double Air Conditioner System
- Toolbox with Tools
- Jack, Wheel-spanner and remote tyre inflator
- Spade, Axe and Pick
- Tow bar
- Wheel Hub protection plates
- 14:00X20 Multi-Purpose Wheels
- Front Mounted Light Obstacle Recovery Winch

OPTIONAL ACCESSORIES

- Side Weapon NATO 7,62MM Pintle mounts
- Light Turret – Nato 7,62 Standard
- Automatic Transmission – Allison SP3000 Series
- Various 3rd party - Turret systems for integration
- Additional Armour to B7 7,62MM X54 API
- Remote Operated Single Weapon Nato Type Turret System
- RFI Wheels

CASSPIR VARIANTS

- CASSPIR Recovery 4 x 4 Medium & 6x6 Heavy
- CASSPIR Ambulance 4 x 4 (4 Patient Transport)
- CASSPIR Command 4 x 4
- CASSPIR Weapon Platform 4 x 4 (AA and Indirect)
- CASSPIR Logistics 4 x 4 Cargo, Fuel Water etc.)