

CASSPIR MK-II

THE MECHEM SPECIFICATION CASSPIR MK-II ARMoured PROTECTED PERSONNEL CARRIER



The **CASSPIR Armoured Protected Personnel Carrier (APC)** is a leader in its class bringing high technology and battle proven effectiveness together to provide one of the safest landmine resistant personnel carriers in the world.

The MK II is versatile in its application as an APC for:
Military use, Policing, Peacekeeping and a platform for Mine Action services.



Double cab 4x4 after landmine exploded



Casspir MKII with fitted Steelwheels after landmine exploded

COMPANY BACKGROUND

- MEHCHEM is a subsidiary of the Denel group and State owned enterprise
- MEHCHEM have been involved in military and mine action research and development since 1960 and became a commercial demining company in 1992.
- Thus far MEHCHEM has been involved in clearing a few million square meters of minefields and we have successfully supplied over 120 remanufactured MPV and APC vehicles. We also supply dogs, training and other demining equipment.
- We have secured the Trade Mark for CASSPIR in the USA, Europe and South Africa, legally we are the only supplier of the new CASSPIR MKII
- MEHCHEM do not have a manufacturing capability and have therefore partnered with a company to build and supply the CASSPIR Hull, and another company to do the drive train assembly

CASSPIR MKII SPECIFICATIONS

The new CASSPIR MKII has the same technical specifications as the original vehicle.

PROTECTION LEVELS

Hull	One Piece Welded Construction in Blast protected Armored Steel with Poly Carbonate Laminated Glass	
Small Arms on Window Glass	7,62mm x 51 mm Nato Ball Ammunition	
Side ballistic protection	7,62mm Nato Ball Ammunition	
No of 7-kg Blast Type Landmine	Under Center Hull	2
No of 7-kg Blast Type Landmine	Under Any Wheel	3

CREW and PERSONNEL CAPACITY

Crew	1-Driver+1-Co Driver
Personnel	12

ENGINE

Type	ADE 352T
Description	Water-cooled, direct injection, 4-stroke, turbo-charge, diesel
Number of Cylinders	6 in-line
Displacement	5 675 cm ³
Output	124 KW at 2 800 r/min
Torque	520 Nm at 1 700 r/min

TRANSMISSION SYSTEM

Clutch	Single plate, dry disc clutch
Gearbox	Manual- 5 speed forward (all synchromesh) and 1 reverse
Transfer Case Operation	Two speed Pneumatic

DRIVE AXLES (Mercedes Benz) (MB)

Front:	Single reduction, palloid drive, and steering axle.
Rear:	Single reduction, hypoid drive axle with different lock.

STEERING SYSTEM

Steering box	Ball and nut, hydraulic power assisted
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BRAKING SYSTEM

Service brake	Dual circuit, air assisted hydraulically operated drum brakes on front and rear axles.
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SUSPENSION

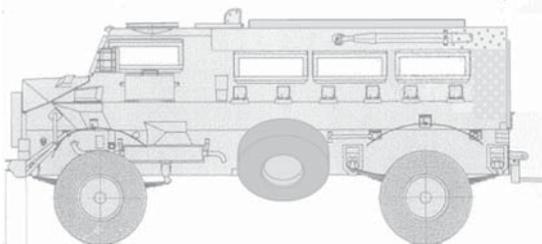
Semi-elliptical leaf spring front and rear. Telescopic double acting oil filled shock absorbers. Front and rear. Front axle articulation limited by check straps.

WHEELS

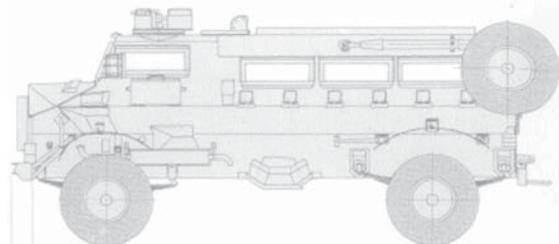
Tires	Cross ply multi purpose 14.00 x 20 x 18 ply rating	
Tire pressures	Paved Road	500 Kpa
	Off-road	310 Kpa

GENERAL DIMENSION

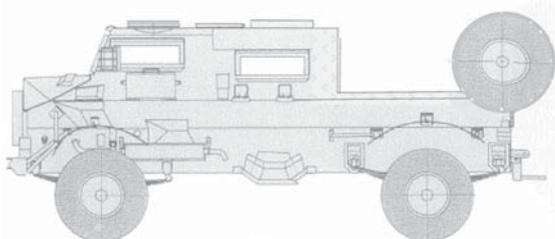
Wheel Base	4 200 mm	
Wheel track	Front	2 100 mm
	Rear	2 060 mm
Overall length	6 900 mm	
Overall height	3 125 mm	
Overall width	2 450 mm	
Overhang	Front	1 234 mm
	Rear	1 436 mm
Angle of approach	46 degrees	
Angle of departure	40 degrees	
Ground Clearance	Front	330 mm
	Rear	360 mm
Turning Circle	17 meters	



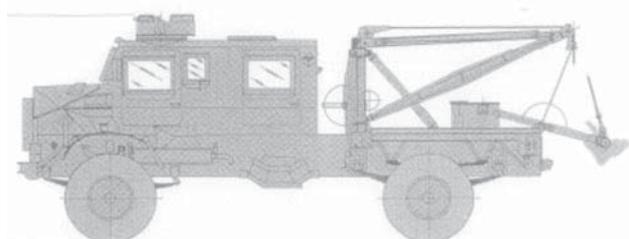
MK-I PROTECTED PERSONNEL CARRIER



MK-II & III PROTECTED PERSONNEL CARRIER



CASSPIR-S PROTECTED LOG CARRIER



15-Tonne PROTECTED RECOVERY