

Type: Carrier, Personnel, Armored, 4x4 Nomenclature: **Mamba Mk II MPAPC**

Country: Republic of South Africa Date of Introduction: 1994

Physical Data:

Weight:
Empty12,577 lbs (5710 kgs)
Loaded 14,978 lbs (6800 kgs)
Length (OA) 215 in (5460 mm)
Width (OA) 87 in (2205 mm)
Height (OA) 98 in (2495 mm)
Ground Clearance 16 in (410 mm)
Wheel Base 114 in (2900 mm)
Drive4x4
Armor protected up to 7.62mm or 14 kgs of TNT.
NBC Protection No

Armament:

Main – Cal(1) .50 cal HMG
Elevation Manual
Traverse Manual

Capacity:

Fuel Diesel
Ammo/Qty
Crew/Passengers 2/9

Engine:

Type In-line Diesel
HP at Rev/Min 123 hp @ 2800 rpm
Model OM 352
Mfr Mercedes-Benz
No. of Cyls 6
Location Front
Cooling Liquid

Transmission:

Type manual, 4-spd synchromesh
Speeds Fwd/Rev 4/1
Model UG 2/30
Mfr Mercedes-Benz

Suspension System:

Type Coil spring
Wheels Steerable ... (2 power) front axle
Turning Radius 41 ft (12.5 m)
No of total wheels 4
Tire Size 12.50x20

General Data:

Elec Voltage
Intercom
Cargo Volume

Night Vision Devices:

Driver/Commander/GunnerIndividual

Performance:

Speed/Land 63 mph (102 km/h)
Speed/Water N/A
Range..... 559 mi (900 km)
Fording Depth
Max Grade 70%
Trench Crossing
Step

Remarks: The Mamba II, was designed by Mechem Consultants subsidiary of the Denel Group and developed by Reumech (now Alvis Vickers), all except Alvis of South Africa, and entered service with the South African Defence Force in 1994.

The Mamba II made use of many Unimog 416 parts to enable better NATO compatibility. It has a V-shaped all-steel welded hull to provide a high level of protection against anti-tank mines. The armoured hull also protects against small arms fire and shell splinters; all glass is bulletproof and wire-mesh grilles that can be fitted to windows afford further protection. Crewed by two, the Mamba can carry nine fully equipped troops seated on opposite sides of the rear cabin.

All occupants enter the Mamba through a large rear-access door. If required, firing ports may be fitted to windows in the rear compartment and a 12.7mm (.50 cal) machine gun can be mounted on the roof. There are six roof hatches in the rear compartment and two above the driver and commander's position. Additionally, smoke grenade launchers, night-vision equipment, run-flat tires and a variety of radios and suppression equipment may be fitted

Between the years 1993 and 1997, a total of 653 Mamba Mk II were built for the local market with a few exports. The basic configuration of the vehicle is standard, with the driving compartment in front behind the engine, having the driver on the right and the vehicle commander on the left. The rear compartment can carry nine troops with five on the left and four on the right in individual seats.

The vehicle commander and driver each have a hatch on the roof that opens backwards and can be locked in the open position. A spare wheel is mounted on the left side at driver height. Standard equipment includes a 100-liter (26.4 gal) water tank for the crew. Options include air conditioning; roof mounted machine gun, additional hatches for the passengers to use their weapons, additional radio operator equipment. A 5,000 kg (11,013 lbs) capacity winch can also be fitted.

Usage: Nearly all Mamba Mk IIs were used in South Africa.

Manufacturer: Alvis-Reumech OCM.



Above: Mamba Mk II during trials. (Photo: Reumech)