

Type: Vehicle, Reconnaissance Nomenclature: **CRR MB-1 Cascavel-37**

Country: Brazil Date of Introduction: 1972

Physical Data:

Weight Empty 19,824 lb (9000 kg)
Weight Loaded unk
Length (est hull) 193 in (4900 mm)
Width (OA) 89 in (2260 mm)
Height (OA) 92 in (2340 mm)
Ground Clearance 19.7 in (500 mm)
Wheel Base unk
Wheel Tread unk
Drive 6x6
Armor .32-.63 in
(8-16 mm)
NBC Protection Individual

Armament:

Main – Cal (1) 37mm cannon
and (1) .30 cal coax
LMG and (1) .50
cal. HMG
Elevation & traverse Manual
Fire Control Optical
Aux wpn – Cal Crew sidearms

Capacity:

Fuel Diesel
Ammo/Qty unk
Crew/Passengers 4
Cargo Vol/Weight

Engine:

Type Diesel
HP at Rev/Min 150 hp (111 kW)
Model 352A
Mfr Mercedes-Benz
No. of Cyls 6
Location Rear
Cooling Liquid

Transmission:

Type Manual
Speeds Fwd/Rev 5/1
Model unk
Mfr unk

Suspension System:

Type Coil & leafspring
Wheels Steerable Front axle
Turning Radius unk
No of wheels 6
Tire Size unk

General Data:

Elec Voltage 12V
Radio As fitted by user

Night Vision Devices: n/a

Performance:

Speed/Land 59 mph (95 km/h)
Speed/Water n/a
Range 435 mi (700 km)
Fording Depth 39.4 in (1000 mm)
Max Grade unk
Trench Crossing 59 in (1500 mm)
Step 23.6 in (600 mm)



Remarks: Brazil had received some 180 M8 armored cars between 1944 and 1952, but by the late 1960s they were wearing out. The Brazilian Army put forward a requirement for a replacement vehicle and in 1968 two design groups (IME and Engesa) completed proto-types. IME proposed a 4x4 version of the basic M8 armored car called the M8 Brasileiro CRR. Engesa, developed a new 6x6 vehicle called the EE-9 Cascavel. Using components from the EE-11 Urutu armored personnel carrier, the Engesa design showed the most promise and an order was placed for a limited production run of 37mm armed vehicles to be known as the Cascavel I.

Usage: CRR MB-1 Cascavel-37 used by Brazil.

Manufacturer: Engenheiros Especializados S.A. and the University of Brazil, Sao Palo.

Above: Prototype CRR MB-1 under test. Even at this stage the vehicle still looked a great deal like the M8 armored car. (Photo: Author's collection)