



**engeso**

**JARARACA EE-3**

**Scout Car**



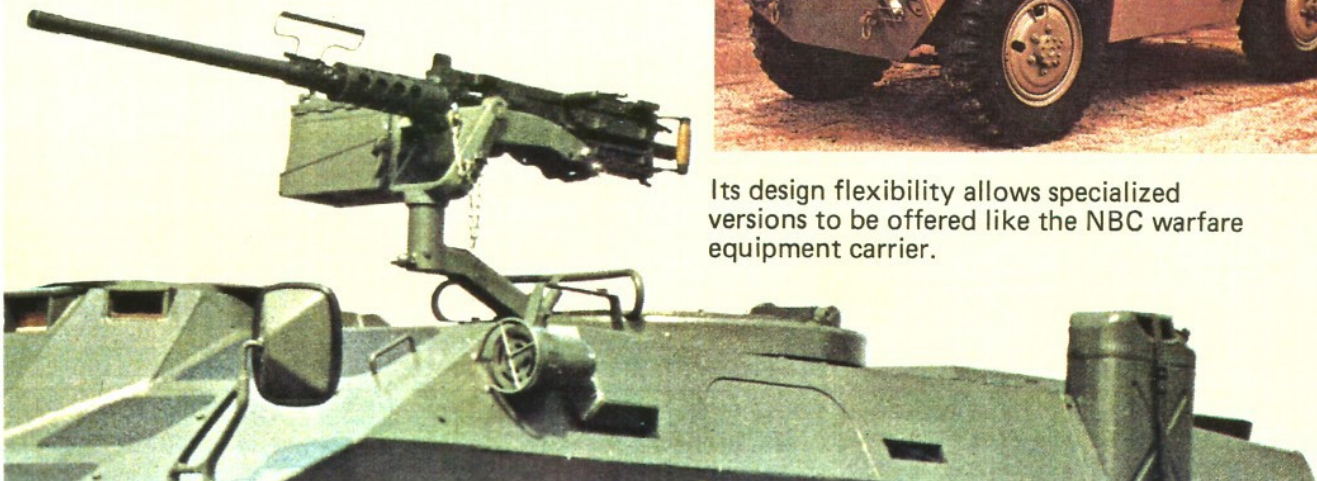
**BRASIL**



In modern battlefield environments, reconnaissance must be conducted at long ranges with speed and safety. The Engesa EE-3 Jararaca is the perfect vehicle for this demanding role, combining a capability for high road speeds and cross-country mobility with a capacity for operating away from maintenance facilities.



The high level of ballistic protection of the Engesa bimetallic armour plate provides for maximum crew survivability, while the basic hull readily accepts a wide range of turret or armour systems including anti-tank missiles or a rapid fire cannon.



- GREAT MOBILITY
- OUTSTANDING PERFORMANCE
- COMPREHENSIVE AFTER SALES SERVICES

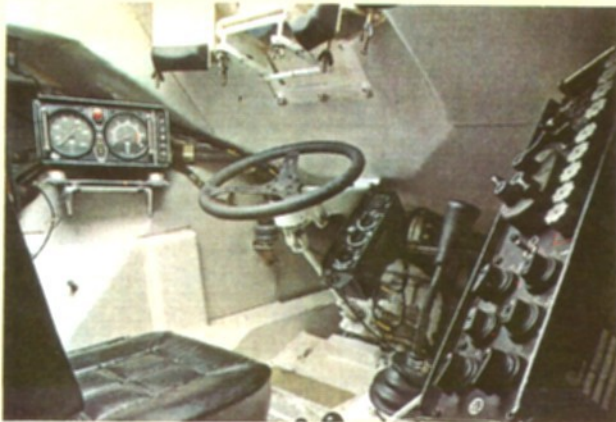


Designed for use in open terrain or urban environments, performance characteristics such as a minimum turning radius and ease of negotiating obstacles make the Jararaca an important addition to military or police forces.



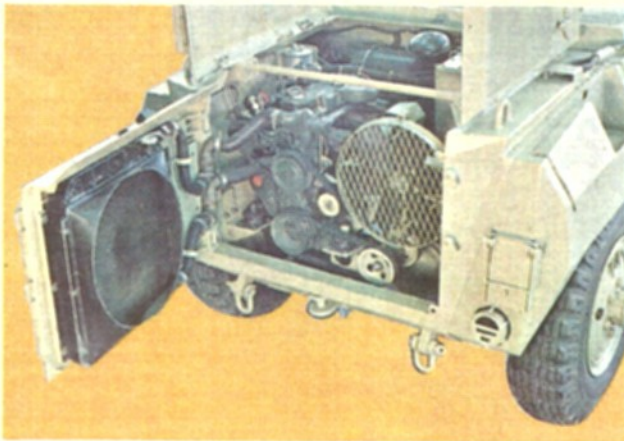
Its design flexibility allows specialized versions to be offered like the NBC warfare equipment carrier.

- DESIGN FLEXIBILITY
- ARMAMENT TAILORED FOR EACH CLIENT
- EXCELLENT PROTECTION



The design of the Jararaca simplifies training, operational and maintenance requirements through providing crew members with easily understood controls and indicators, making maximum use of common automotive parts and spares and minimizing the numbers of special tools required for detailed maintenance.

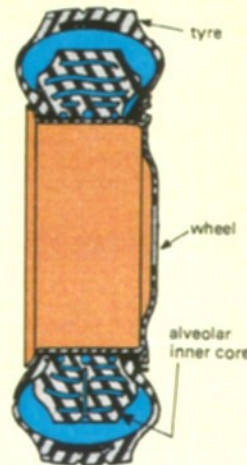
Engine Location Showing Accessibility for Maintenance



Tyre Pressure Control System

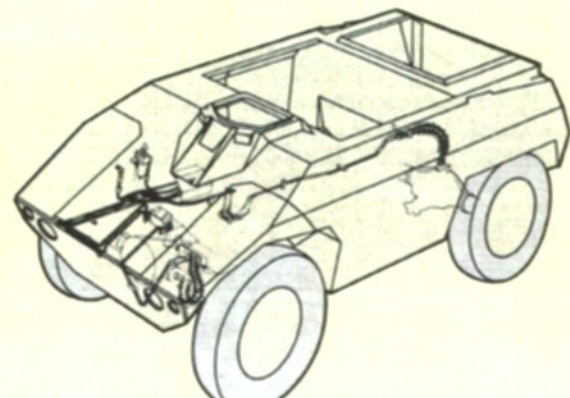


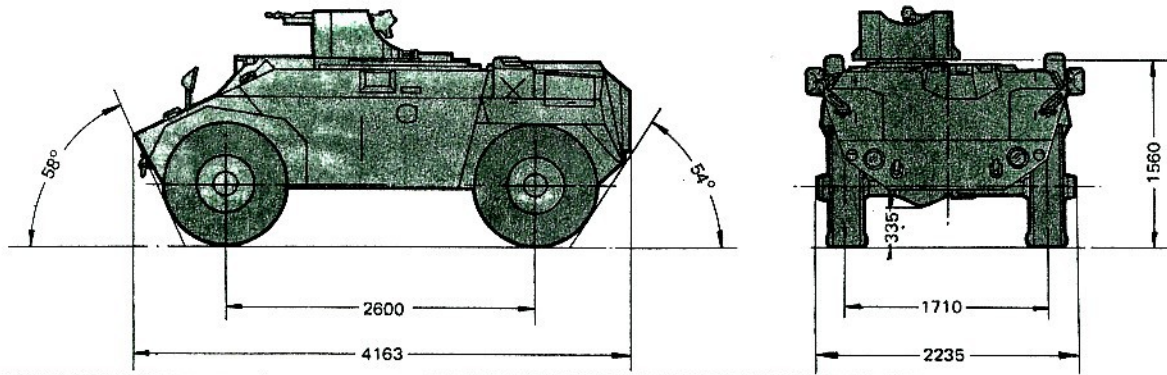
Engesa's policy is to give to the client the best possible service. Every product has a complete set of maintenance, operation and spare parts manuals. In order to train the technicians in the operation and service, Engesa offers full sets of training aids for vehicles and for all equipments installed aboard.



In order to enable the vehicle either to continue fighting or to leave the combat area the EE-3 uses the Engesa Run Flat System, which consists of a alveolar core inside the pneumatic tyre. When the tyre deflates after being shot it contacts the inner core thus ensuring the vehicle mobility.

Engesa has been the pioneer of the Tyre Pressure Control System. From the driver's station he can control the pressure of the tyres. With the change of pressure the tyre footprint will vary, therefore ensuring adequate grip for all types of soil. This is one of the reasons for the Engesa's vehicles outstanding mobility.





**General**

Weight, combat loaded . . . 5.800 kg  
 Crew . . . . . 3  
 Fuel tank capacity . . . . . 140 L.

**Engine**

Make and model . . . . . Mercedes Benz OM 314 A  
 Displacement . . . . . 3.784 cm<sup>3</sup>  
 Fuel . . . . . Diesel  
 Gross output . . . . . 110 C.V.

**Transmission**

Make and model . . . . . Clark 240 V.  
 Type . . . . . Mechanical — 5 speed.  
 Optional . . . . . Automatic

**Transfer Case**

Type . . . . . Mechanical — 2 speed.

**Electrical System**

Batteries . . . . . 4x12 V/95 Ah  
 Generator . . . . . 28 V/55 A

**Armour**

Made of ENGESA's dual hardness armour plate giving protection against 7.62 mm AP

**Suspension and Drive (4x4)**

Front and rear rigid axles with hypoid gear and pinion. Semi-elliptic leaf springs and hydraulic shock absorbers.

**Wheels and Tyres**

Stamped steel 8,5" x 20" wheels  
 11.00" x 20" 14 PR tyres.

**Tyre Pressure Control**

Enables driver to change tyre pressure, from his station, from 2 kg/cm<sup>2</sup> to 4 kg/cm<sup>2</sup>, to suit different ground characteristics (sand, mud, etc.).

**Run Flat Capability**

Alveolar inner core enabling vehicle to run 50 km at 40 km/h with flat tire.

**Service Brakes**

Drum type, air assisted brakes on all wheels. Two independent hydraulic circuits (front and rear).

**Parking Brake**

Drum on transmission output shaft.

**Armament**

.50" machine gun cupola.

**Performance**

Road speed . . . . . 100 km/h  
 Cruising range (road) . . . . . 700 km  
 Turning radius . . . . . 7,7 m  
 Gradient . . . . . 60%  
 Side Slope . . . . . 30%  
 Vertical step . . . . . 400 mm

**Optional Equipment**

- Night vision equipment
- .50" + 7.62 mm machine gun turret
- VHF/HF radios

**Variants**

- 60 mm gun mortar carrier
- Anti tank missile launcher carrier
- NBC warfare equipment carrier

**Crew Disposition**



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