



CARACAL 6x6

MODULAR AIR ASSAULT CAPABILITY

BUILT FOR MODERN AIRBORNE OPERATIONS

The Caracal is a highly mobile and modular air assault platform designed for rapid deployment and maximum operational flexibility. Based on the combat-proven Mercedes-Benz G-class architecture and enhanced through Rheinmetall's military integration expertise, the system combines strategic mobility, payload capacity, and mission adaptability in a lightweight airborne platform. Developed in cooperation with Mercedes-Benz and MAGNA International, the Caracal 6x6 extends the proven W464 chassis with a third axle and a modular flatbed concept to support a broad spectrum of mission profiles.

MAXIMUM MISSION FLEXIBILITY

The modular flatbed architecture allows rapid integration of different mission kits and payloads depending on operational requirements. Possible configurations include: troop transport, reconnaissance, fire support, mortar carrier, loitering munition integration, CUAS-capability, special operations support and logistic. With a payload capacity of more than 3,300 kg, the platform offers exceptional flexibility while maintaining full air mobility.

AIR DEPLOYABLE BY DESIGN

The Caracal 6x6 is designed for rapid strategic deployment in airborne and air assault operations. The system can be internally transported by A400M and externally transported by military helicopters. Its lightweight architecture and high mobility make it particularly suitable for airborne infantry, special forces, and rapid reaction units.

KEY CHARACTERISTICS

- Modular 6x6 airborne platform
- Scalable mission kit architecture
- Rheinmetall mission integration expertise
- 3,300 kg payload for applications such as mortar systems, loitering munitions, etc.
- Air transportable (internal and external load)
- Integration of standard infantry weapons and ATGM weapons on ring mounts
- Long-term lifecycle support by Rheinmetall
- Reduced logistical footprint
- Commonality with Caracal 4x4 fleet



CARACAL 6x6

Dimensions

Length	6,100 mm
Width	configurable down to 1,850 mm
Height	1,820 mm

Weights

Vehicle weight	3,200 kg
Payload capacity	Up to 3,300 kg
Weight air transport	< 4,741 / < 6.804 kg (CH-47 F/ CH-53K)

Performance

Max. road speed	130 km/h
Slope angle	Front 37°/ Back 49°
Cross slope angle	>30%
Wading depth	500/750 mm
Gradeability	>60%
Trench crossing	500 mm

Engine

Manufacturer	Mercedes Benz
Kind	6-cylinder diesel engine / EURO3
Performance	249 PS
Torque	600 NM

Air transport

Aircraft CH-47F	1 vehicle internal or external load
Aircraft CH-53K	1 vehicle internal or external load
Aircraft	Air-portable with Boeing C17, Lockheed Martin C-130, Airbus A400M

Variants

Variant 1	Group transport vehicle 6x6
Variant 2	Material transport vehicle 6x6

Protection

Ballistic protection (Option)	STANAG 4569; AEP-55 Vol.1
Mine protection (Option)	STANAG 4569; AEP-55 Vol.2