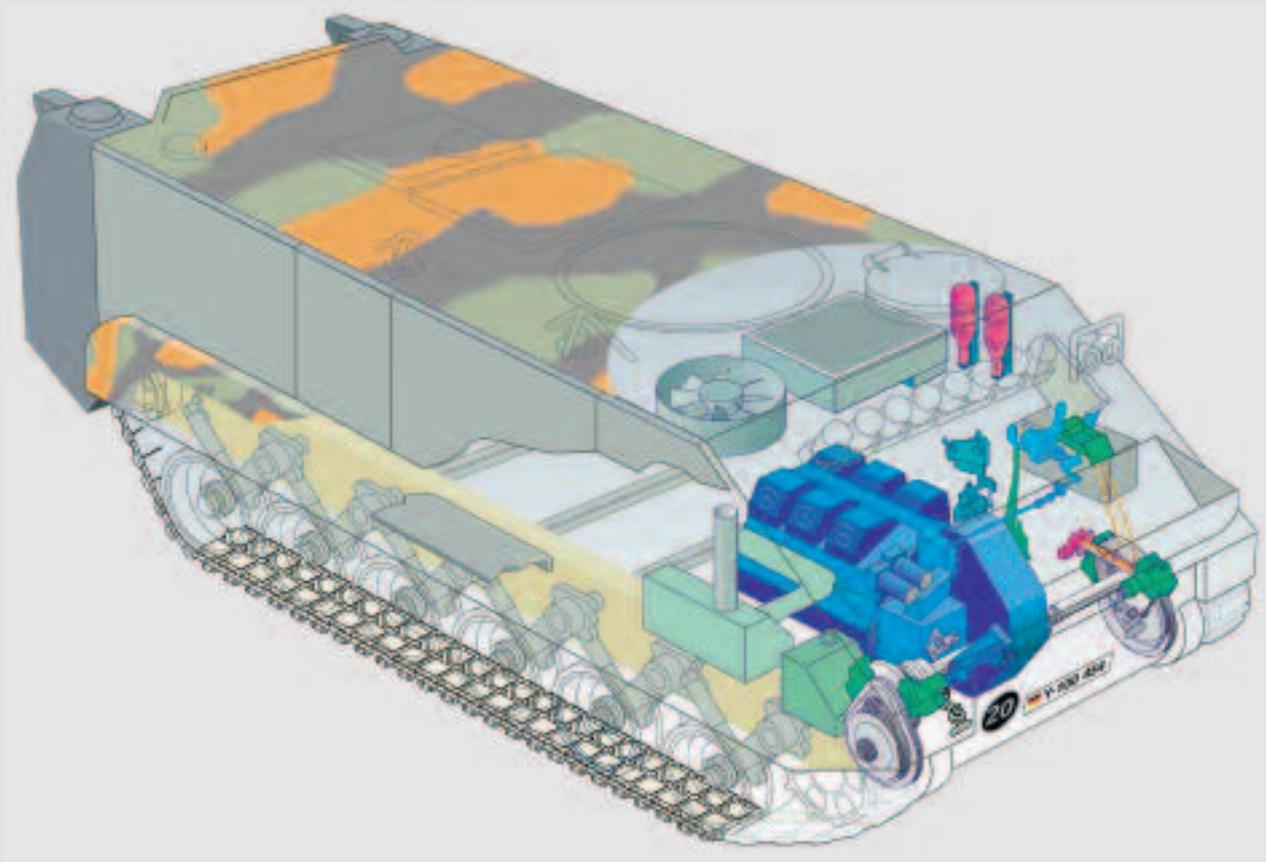


# Multi Purpose Carrier WARAN



# The WARAN Concept

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The WARAN combines high performance, reliability and versatility with outstanding economics. Offering full protection, it can transport heavy integration kits or a fully equipped infantry group. The WARAN concept can be adapted to other requirements at any time and is based on the following subsystems.

- Extended M113 vehicle hull
- Elevated roof
- EURO III engine
- Automatic gearbox
- Ballistic protection
- Mine protection
- NBC/compartiment cooling system

## **Mobility**

The WARAN is powered by a high-performance EURO III engine that guarantees high mobility on roads and cross country. The technical design of the WARAN, particularly in reference to its dimensions and weight, assures that it is suitable for air transport in existing and planned transport aircrafts, such as the C160, C130, AN-124 and A400M.

## **Protection concept**

A proven and extensive protection concept provides an optimum level of security for the crew against mines, ballistic threats and attacks involving explosives. The ballistic protection has been designed as an add-on solution and can be quickly mounted or replaced in the field. This guarantees effective protection against infantry weapons, light anti-armour systems, artillery shrapnel, rapid fire guns and indirect explosive detonations.

The driver's seat, commander's seat and the crew seats were designed according to the latest advancements in mine protection technology. The entire interior kit is integrated into an efficient mine protection concept.

## **Combat sustainability**

An explosion suppression system, the automatic fire extinguishing system and the NBC protection system in conjunction with the compartment cooling system offer additional protection for the crew. The WARAN with its numerous features ensures that the soldiers are protected during missions.

## Vehicle Models



Various interior kits make the WARAN a versatile vehicle. It can be used as a command post vehicle, command and control tank, armoured ambulance, launch control tank, reconnaissance tank, mobile medical vehicle, or armed platform, such as a mortar system. For self-defence, the WARAN can be equipped with a wide range of weapon stations.

# Technical Data

## General information

Laden weight	18.0T (optional 20,0T)
Curb weight	11.8T
Payload	up to 6.2T (optionally to 8.2T) depending on the level of protection
Length/Width/Height	5790/2690/2520 mm (with elevated roof 2820 mm)
Ground clearance	410 mm
Effective volume	10.1 m <sup>3</sup> (with elevated roof 12.5m <sup>3</sup> )
Climatic zones	A1-C2 (+49 °C to -46 °C)

## Driving characteristics

Maximum speed	65 km/h
Range	520 km/h

## Drive chassis

Type	Extended M113 vehicle hull
Drive	6 track rollers with support rollers
Track	DIEHL 409

## Engine

Type	MTU-6V 199 TE 20 EURO III
Horsepower	260 kW/1730 Nm

## Gear box

Type	ZF-LSG 1000 Automatic gearbox
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## Braking system

Type	Hydraulic two-cycle power-brake system with parking brake according to EEC Directive 71/320
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## Mine protection

Level of protection	Basic protection against blasts and antitank mines according to STANAG 4569
Means of attachment	Adaptable according to the type of threat

## Ballistic protection

Protection modules	Ceramic composite modules on the front, side, roof, rear
Means of attachment	Adaptable according to the threat
Level of protection	According to STANAG 4569

## Air conditioning system

Design	Integrated combination of heater and air conditioner Combination with NBC protection system
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## Fire extinguishing system

Type	Automatic explosion suppression system in the crew compartment
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## Rear view camera

Type	TFT colour monitor with remote sensor head
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