



THYSSEN HENSCHEL

"P-47(A)"

HENSCHEL Defense Technology

TH 495 Infantry Combat Vehicle (ICV)



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Future changes in the worldwide military situation will necessitate rapid deployment of military forces to consolidate stability in regional trouble spots more so than ever before. For this purpose, military units need effective weapon systems which can be quickly transported by aircraft into the operational area. The newly developed tracked vehicle family is providing weapon systems meeting those specific requirements. The ICV and all associated variants being required by Rapid Reaction Forces can be configured to a 5-Road-Wheel-Chassis.

Special Features of Vehicle Family TH 495

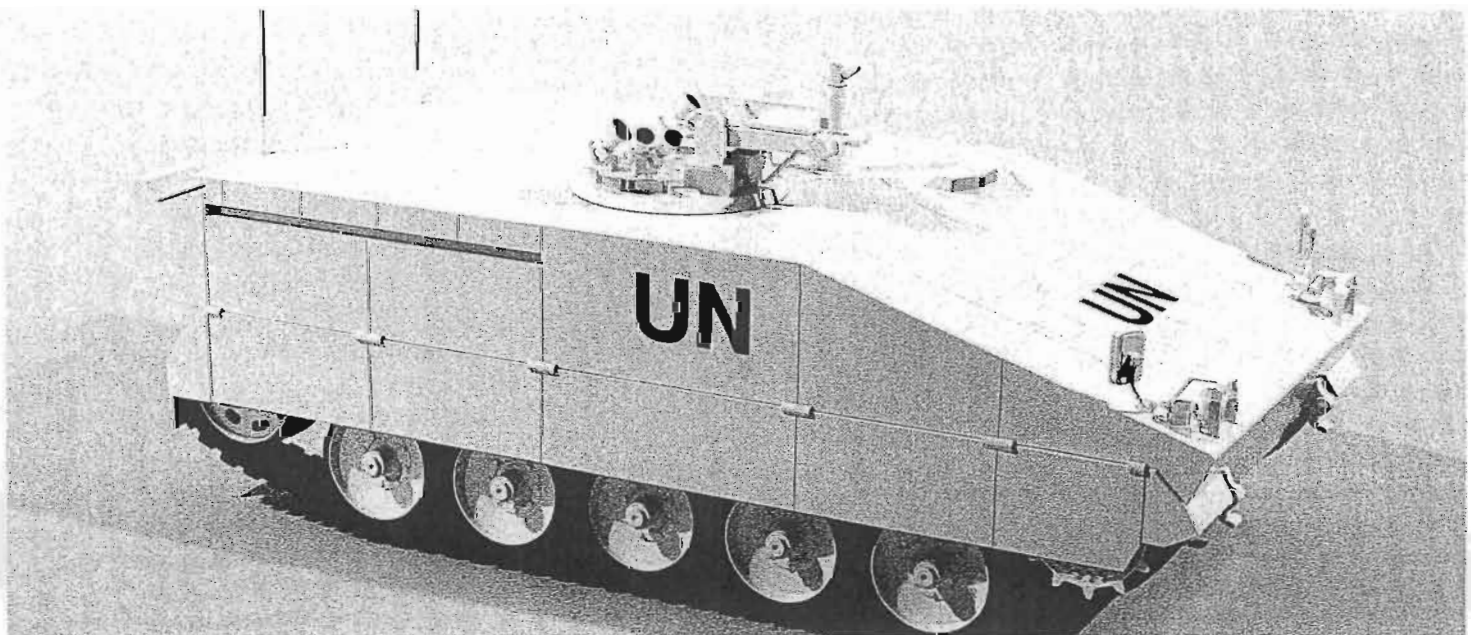
- Air transportable by C-130 HERCULES aircraft (upon adjustment)
- Variety of configurations that meet common mission requirements
 - Outstanding operational mobility
 - High all-around crew protection level
 - Interchangeable modular add-on armor
 - Extremely low IR and radar signature
- Excellent ergonomic handling and safety standards
- Growth potential for future system expansion and improvement

System Modularity Concept

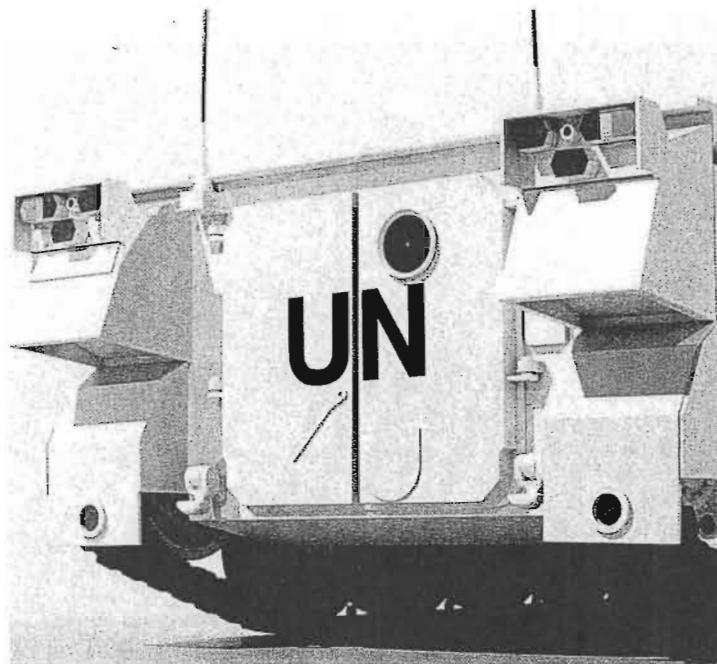
Modular design of variants

and commonality of spare parts simplifies training, maintenance and logistic support, therefore, system cost and

efficiency compares most favorably with other systems.



State-Of-The-Art-Technology for a State-Of-The-Art System



Digital on-vehicle electronics, video monitoring for infantry men, dual circuit brake system, adjustable driver's station and explosion-proof fuel tanks are only a few constituents of High-Tech being incorporated into the TH 495 system. The engine from MTU, transmission from ZF and the long-life lightweight track from DIEHL are further High-Tech Components.

Hull, Suspension, Optics, NBC and Fire Protection

The self-contained hull housing is gas-tight and waterproof. The crew compartment is additionally protected against spalling and ammunition fragments. The power pack is located in the front of the vehicle, driver's station is situated left side next to the engine.

The commander is sitting behind the driver and the gunner is located in the turret. The crew compartment for infantry men is in the rear and can be entered via two outward swinging doors.

Open crew hatches are providing an all-around view and enable the crew to carry out combat operations under partial armored protection. The weight-balanced suspension system with its support rollers guarantees improved ride conditions cross-country and on road. Vision for the driver is provided by 3 periscopes whereby the middle of

them can be replaced by an image intensifier. Video cameras are enabling the soldiers to monitor the battlefield from the inside while hatches can remain closed. The NBC Protection System supplies the interior with clean air. A Fire Alarm- and Suppression System provides additional crew protection.

The Vehicle Family

The Infantry Combat Vehicle (ICV) is the first one within its family being configured with a 5-Road-Wheel Suspension. Its crew is consisting of:

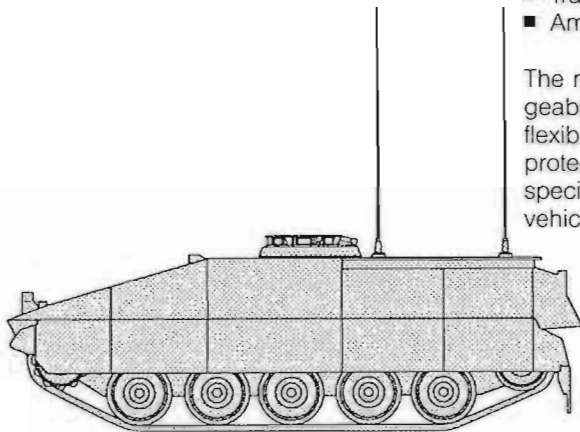
- 1 Driver
- 1 Commander
- 1 Gunner
- Squad of seven infantrymen being fully equipped

The ICV is armed with an external mounted 0.50 Machine Gun.

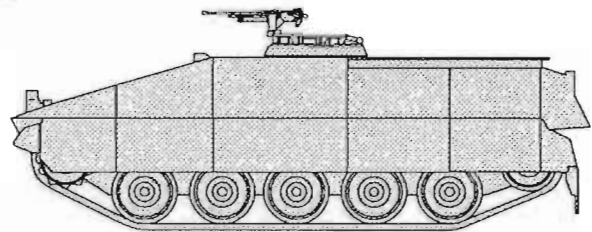
Additional system configurations also being part of Rapid Reaction Forces are:

- Short Range Anti-Aircraft Defense System
- Command Post / Radio vehicle
- Transport Vehicle
- Ambulance Vehicle

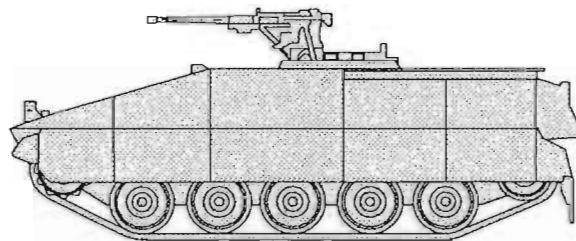
The modular easily exchangeable Add-On Armor allows flexible adaption of ballistic protection to comply with the specific missions of each vehicle.



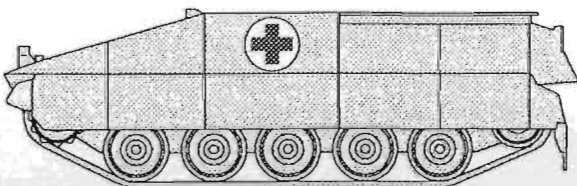
COMMAND VEHICLE



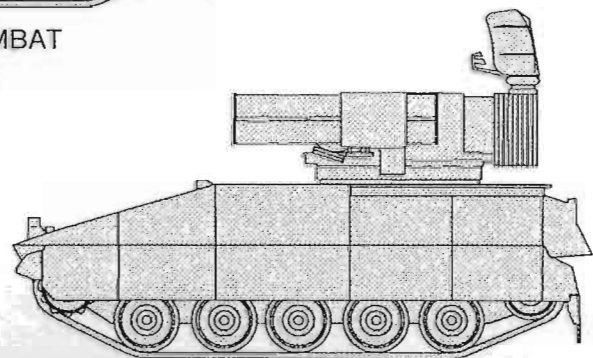
TRANSPORT VEHICLE



INFANTRY COMBAT VEHICLE

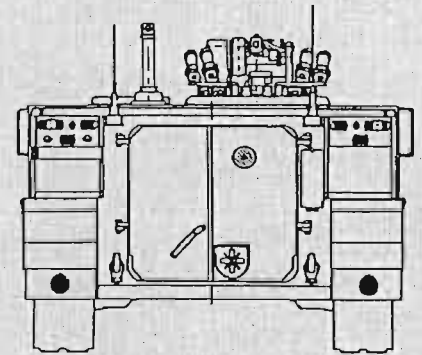
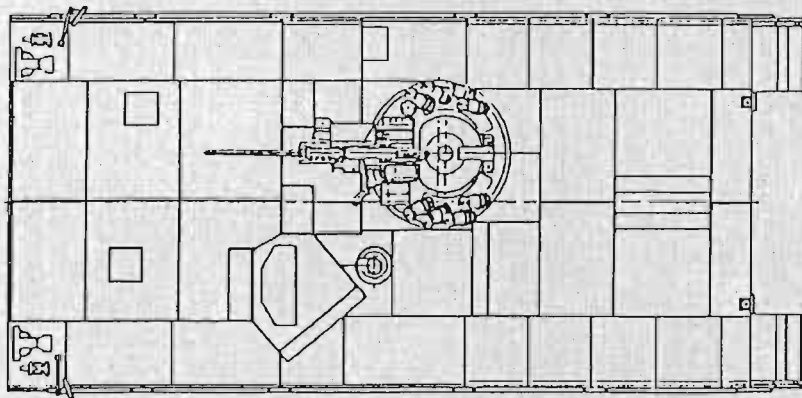
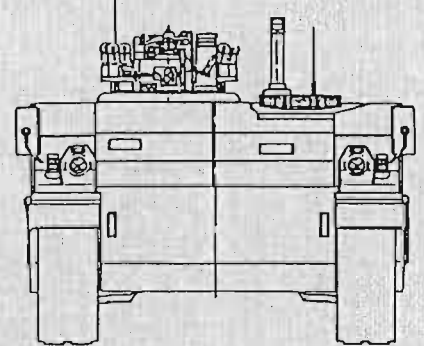
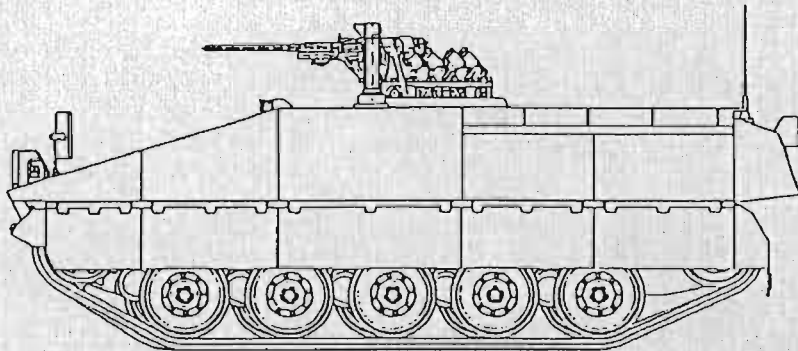


AMBULANCE VEHICLE



SHORT RANGE
AIR DEFENSE SYSTEM

Technical Data TH 495 ICV



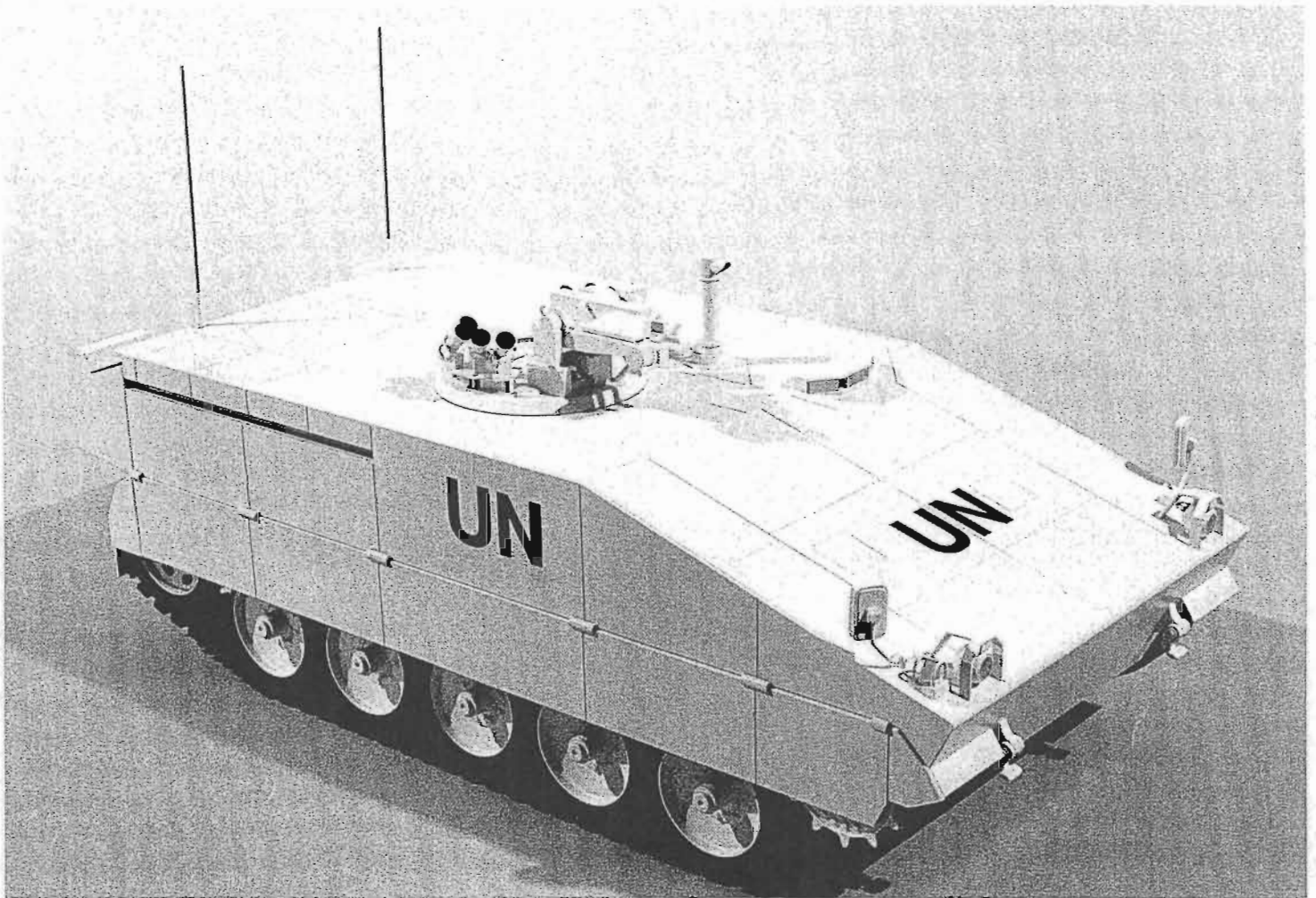
| | |
|--------------------------|---|
| Crew | 1 Driver, 1 Commander, 1 Gunner, 7 Infantry men |
| Overall length | 5970 mm |
| Overall width | 2940 mm |
| Overall height | 2390 mm |
| Ground clearance | 400 mm |
| Combat weight | 21,6 t (metric) |
| Engine output | up to 500 kW/680 HP DIN |
| Power-to-weight ratio | up to 20,0 kW/to./ 27,0 HP/t. |
| Maximum speed | 75 km/h / 47 mph |
| Fuel capacity | 510 l |
| Specific ground pressure | 75,5 kPa / 10,9 lbs/sq.inch |
| Climbability | 0,8 m |
| Trench crossing | 2,30 m |
| Main armament | MG 12,7 mm |
| Ammunition supply | total 800 rounds |
| Air transport | C 130 Hercules aircraft (upon adjustment) |

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