



"P-47(B)

THYSSEN HENSCHEL

HENSCHEL Defense Technology

TH 495



Armoured Infantry Fighting Vehicle A/FV TH 495

Future changes in the worldwide military situation will necessitate rapid deployment of military forces to promote stability in regional trouble spots more so than ever before. For this purpose, military units need effective weapon systems which can be quickly transported into the operational area by aircraft. The newly developed tracked vehicle family is providing weapon systems of this kind.

Other than the first vehicle of this family – the herein introduced Armoured Infantry Fighting Vehicle – all those variants needed to be part of rapid reaction forces can be manufactured.

The special features of vehicle family TH 495 include:

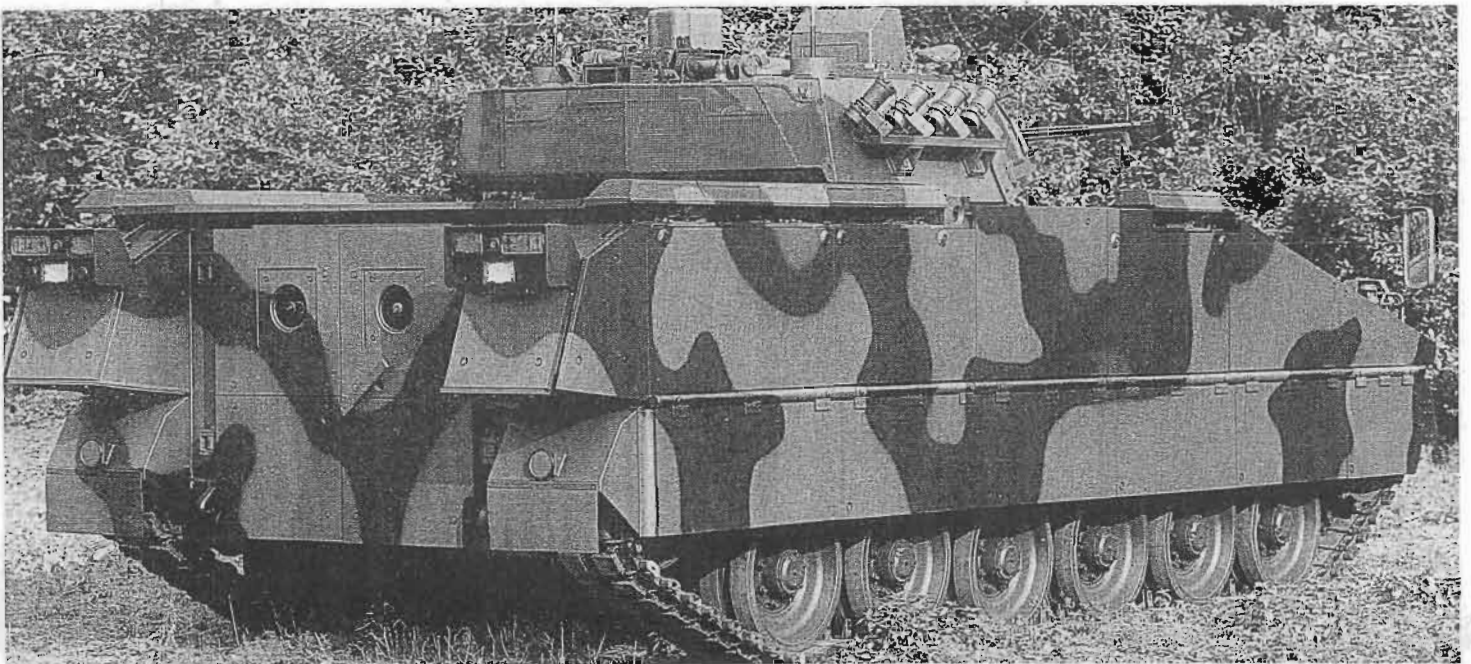
- Airtransportable by C-130 Hercules aircraft upon adjustment
- Variety of configurations that meet common mission requirements
 - Outstanding operational mobility
 - High, all-around crew protection level
- Interchangeable modular add-on armor
 - Extremely low IR and radar signature
- Outstanding ergonomic handling and safety standards
- Growth potential for future systems expansions or improvements

System modularity
concept

Modular design of variants

and commonality of spare
parts implies training, main-
tenance and logistics support,
therefore system cost and

efficiency compares most
favorably with other
systems.



State-of-the-art technology for a state-of-the-art vehicle

Digital on-vehicle electronics, video monitoring for infantrymen, dual circuit brake system, integral driver station and explosion-proof fuel tanks are only a few examples of latest technology incorporated into the TH 495. The propulsion unit from MTU, the driving and steering gear from ZF and the long-life lightweight track from Diehl are further high-tech system components.

Hull, running gear, optics, NBC and fire protection

The self-contained hull housing is gas-tight and waterproof. The crew area is additionally protected against spalling and ammunition fragments. The power pack is located inside, at the front of the vehicle. The driver's seat is on the left next to the engine. Commander and gunner are located in the turret. The infantry crew compartment is in the rear of the vehicle and is accessed through a divided tailgate.



Crew hatches in the hull roof allow all-around viewing and afford partial armor protection during mounted combat operations. The balanced torsion bar suspension system incorporates shock absorbers and end-stop dampers permitting optimal road wheel travel. The driver can look out through three periscopes, the middle of which can be repla-

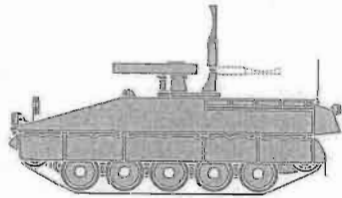
ced by an image intensifying device. Video cameras enable infantrymen to observe the battlefield from inside of the vehicle with the hatches closed. The collective NBC protective ventilation system supplies the interior with clean air. A fire alarm system and fire suppression equipment provides additional crew protection.



The vehicle family

The Armoured Infantry Fighting Vehicle TH 495 provides the foundation for the new family of tracked vehicles. This A/FV chassis has six road wheels and its crew consists of the commander, gunner and a squad of seven fully equipped infantrymen. It is armed with a internal mounted stabilized 25 mm automatic cannon providing accurate day and night shoot on the move capability. Additional variants for the Rapid Deployment Forces include for instance:

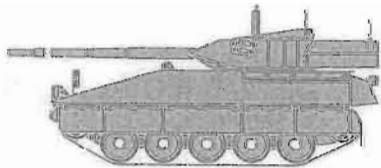
- Infantry Combat Vehicle
- Armored Gun System
- Anti-Aircraft Defense System
- Light Armored Vehicle
- TOW Anti-tank Vehicle
- Command Post Radio vehicle
- Transporter
- Ambulance



STINGER



AIFV

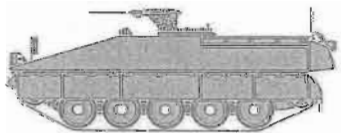


ACV/AGS

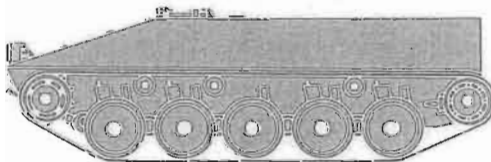


RCV

The modular add-on armor plating can be easily and quickly exchanged to adapt to the ballistic protection requirement of each vehicle variant and each enemy threat situation.



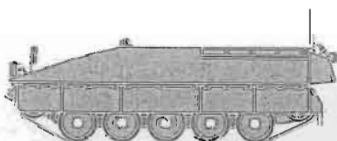
ICV



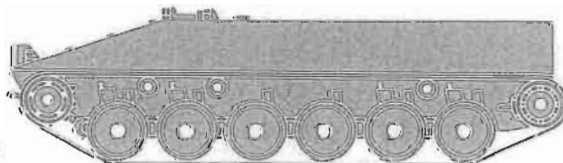
BASIC VEHICLES



TOW

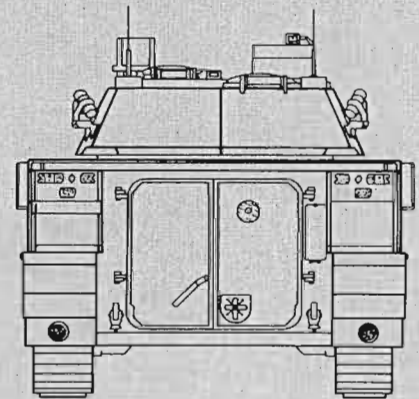
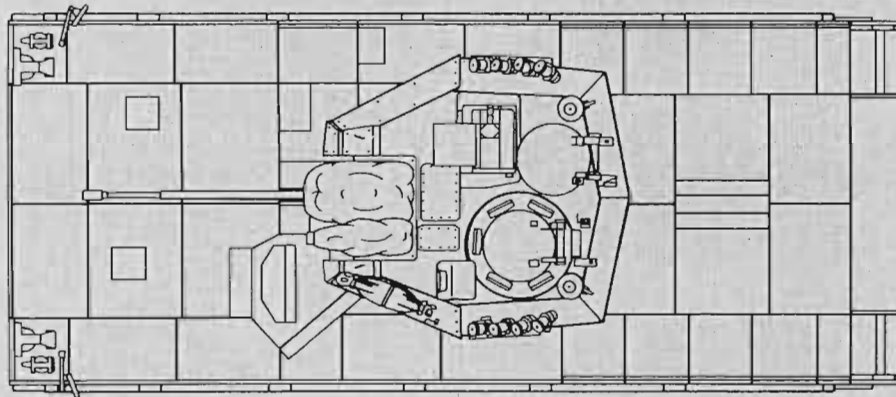
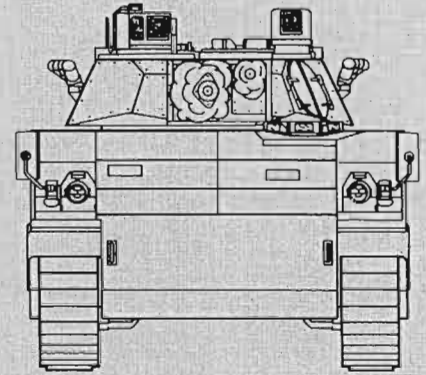
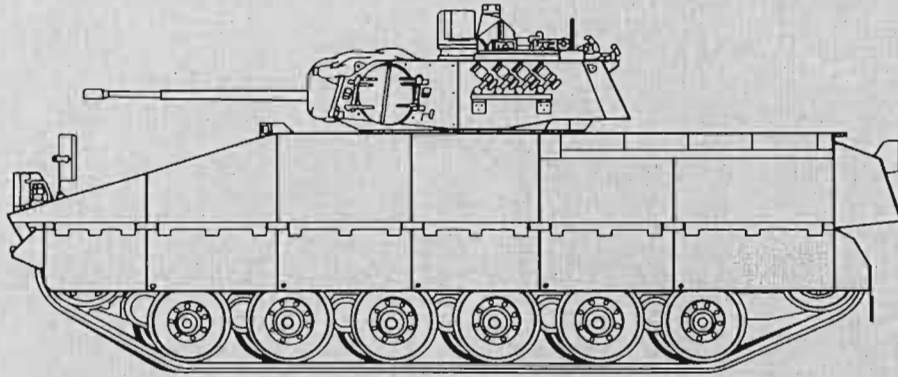


TRANSPORTER



AMBULANCE

Technical Data TH 495



Crew	1 commander, 1 gunner, 1 driver, 7 infantry men
Overall length	6750 mm
Overall width	2840 mm
Overall height	2830 mm
Ground clearance	400 mm
Combat weight	26,0 t (metric)
Engine output	up to ca. 500 kW/680 HP DIN
Power-to-weight ratio	up to ca. 20,0 kW/to./27 HP/to.
Maximum speed	75 km/h
Fuel capacity	630 l
Specific ground pressure	72,7 kPa
Climbability	0,8 m
Trench crossing	2,70 m
Track width	450 mm
Main weapon	25 mm stabilized machine cannon OTO MELARA T 25
Ammunition supply	total 510 rounds
Air transport	C 130 Hercules Aircraft, upon adjustment

THYSSEN HENSCHEL
Defense Technology

☒ 102969
D-3500 Kassel

☎ (0561) 801-01
☒ Fax (0561) 801-6733

HENSCHEL Defense Technology

TH 495



The individual details given in this publication are to be regarded as guaranteed qualities if they are, individually and in each case, expressly confirmed to be so in writing.

TH 495 2000 12/92 D H O Printed in Germany Thyssen Industrie AG Henschel