



M113 FoV Technical Specifications

Data subject to change without notice.

GENERAL	
Weight	13,500 kg
Crew	13 (Incl. Gunner, Driver and Commander)
Length	5.30 m
Width	2.79 m
Height Hull Roof	1.85 m
Height Overall	2.56 m
Ground Clearance	0.41 m
MOBILITY	
Engine	Diesel
Transmission	Fully Automatic
Max. Road Speed	65 km/h
Range	400 km
Gradient	60%
Side Slope	30%
Vertical Obstacle	0.61 m
Trench Crossing	1.68 m
Amphibious Capability	Standard
Max. Water Speed	5.8 km/h (with Track Propulsion)
Suspension System	Torsion Bar
Steering System	Through Transmission

PROTECTION & LIFE SUPPORT SYSTEMS	
Ballistic Protection	STANAG 4569 (Level Classified)
Mine Protection	STANAG 4569 (Level Classified)
Smoke Grenade Dischargers	8
Automatic Fire Suppression System	Standard
CBRN Protection System	Face Mask/Positive Pressure Type
A/C and Heater	Standard
ARMAMENT	
Type	Manned and Remote Controlled Turrets and Missile Systems from Various Types and Origin Can be Integrated
MISSION EQUIPMENT	
Driver Vision System	Thermal Cam. & Display
Electrical System	24 V



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M113 FoV

CAPABILITY & SUSTAINMENT PROGRAM PROGRAMME

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OVERVIEW



The sustainability solutions cover the entire M113 Family of Vehicles (FoV) for mobility upgrades, regardless of their specific mission equipment. Therefore, all M113 variants can be supported in terms of logistics and spare parts.

The FNSS M113A4 solution fully meets the requirements for a modern reliable M113 FoV.

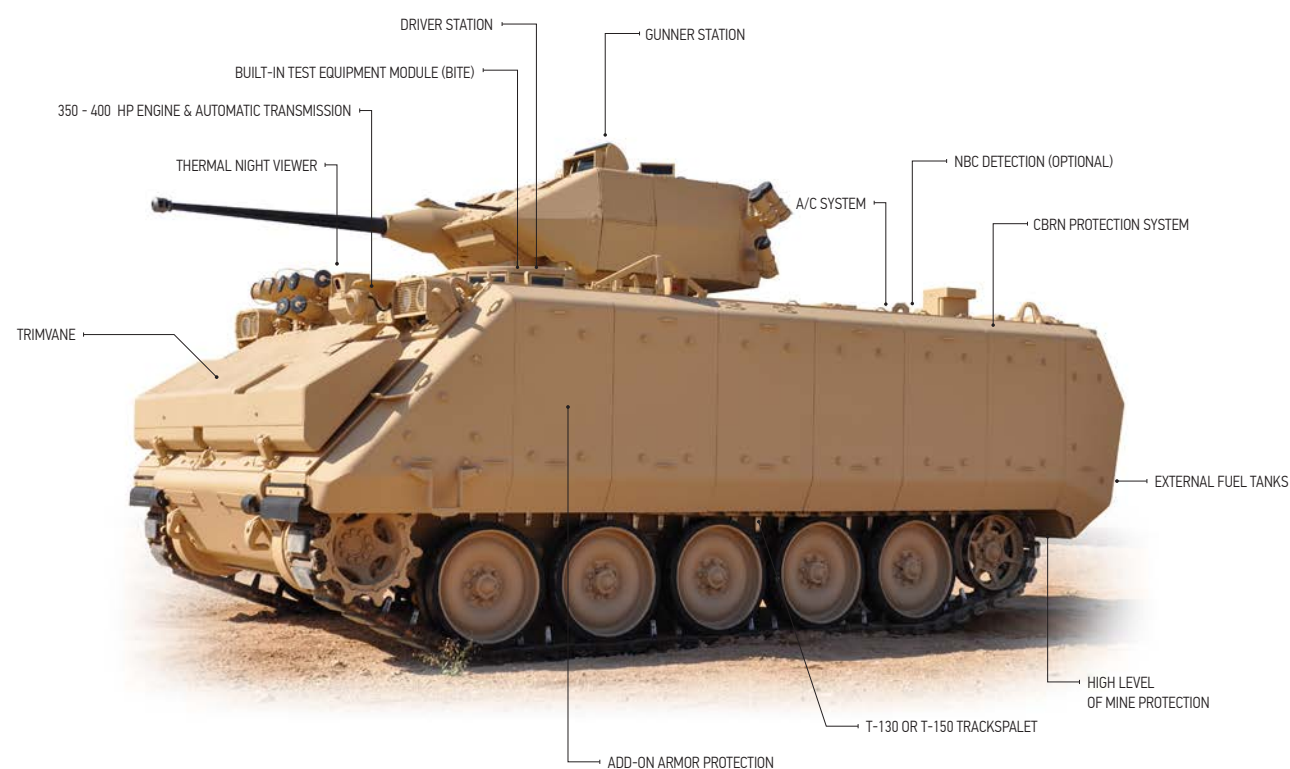
The M113A4 & ACV configuration is based on common subsystems that are in service with Land Forces of Turkey, Middle East and South-East Asia regions.

The M113A4 is NATO certified and qualified by the original M113 manufacturer. This configuration significantly improves ease of operation, safety, reliability, performance and durability over the M113A1, A2, YPR & AIFV vehicles.

The M113A4 delivers significant improvements on mobility and survivability compared to the older M113 FoV and consists of modern diesel engine and automatic transmission. Reliability and durability have been greatly improved with the installation of the FNSS-developed ACV power pack.

This improvement in reliability and durability ensures that during operational deployment, the downtime for the vehicles is minimum, enabling the valuable maintenance personnel to focus on other tasks. This also guarantees maximum time for operational deployment by the user. This next generation modernized M113A4 FoV provides the user with a reliable and simple to operate vehicle with a service life of over 20 years.

The solution closely matches the ACV vehicles that have been tested several times between -20°C to +60°C in many different weather conditions on all terrains. In addition, the M113A4 has undergone a full desert mobility testing that was successfully completed covering over 3,000 km.





VARIANTS

M113 FoV

CAPABILITY & SUSTAINMENT PROGRAM PROGRAMME



M113A4 IFV

The M113A4 IFV is the converted next generation modernized version of the M113A1 and A2 Infantry Fighting Vehicle. It is fitted with a 25 mm SABER Turret and has a capacity of carrying 9 personnel including the driver and the commander/gunner.



M113A4 ICV

The M113A4 ICV is the next generation modernized version of the M113A1 and A2 Infantry Carrier Vehicle. The vehicle is armed with a 12.7 mm MG and 8 smoke grenade dischargers and carries 13 personnel including the driver and the commander/gunner.



M113A4 SPM120

The M113A4 120 mm Armoured Mortar Vehicle is the next generation modernized version of the M113 Mortar Carrier vehicle. It is armed with a 120 mm rifled or smooth bore automated mortar mounted inside the vehicle, which fires through a hydraulic-operated mortar hatch placed on the hull top. It carries 4 personnel including driver, commander and 2 mortar crew.



M113A4 ARV

The M113A4 Recovery Vehicle is the next generation modernized version of the M806 vehicle. It is fitted with a hydraulic crane mounted on the vehicle's top plate and a hydraulic recovery winch with a fairlead assembly mounted inside the vehicle, which facilitates the recovery and towing of both armoured and non-armoured vehicles in difficult terrain. It is armed with a self-defence 12.7 mm MG and carries 3 personnel including driver, gunner and technician.



VARIANTS

M113 FoV

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M577A4 COMMAND POST VEHICLE

The M577A4 Command Post Vehicle is the next generation modernized version of the M577 vehicle. It is used as an operational staff officer's command post at Brigade and Battalion level. It can also be configured as a Fire Direction Centre. The M577A4 carries 7 personnel including driver, vehicle commander and staff officers.



M901A4 ANTI-ARMOR

The M901A4 Anti-Armour is the next generation modernized version of the M901 vehicle. It is designed to carry an overhead M220 2xTOW launcher with 10 stowed ATGM rounds inside the vehicle. It carries 4 personnel including driver, commander, gunner, and loader.



M548A4 CARGO CARRIER

The M548A4 Cargo Carrier is the next generation modernized version of the M548 vehicle. It is the unarmoured derivative of the M113 family and is capable of transporting 4,800 kg of ammunition and general cargo to forward areas to support field units. The M548A4 is configured with a driver's cabin capable of carrying 4 personnel including driver and 3 passengers. A self-defence 12.7 mm MG is also mounted on top of the crew cabin.



M113A4 MEDICAL EVACUATION (AMBULANCE)

The M113A4 ME (Ambulance) is the next generation modernized version of the M113A1 and A2 Ambulance vehicles. The vehicle is a highly manoeuvrable, tracked armoured ambulance designed primarily for casualty evacuation from forward battle areas. It carries a driver and a medic with either 2 patients, on stretchers and 4 seated patients or 9 seated patients.