



ACV-15 Technical Specifications

Data subject to change without notice.

GENERAL	
Weight	14,000 kg
Crew	11 (Incl. Gunner, Driver and Commander)
Length	5.56 m
Width	2.90 m
Height Overall	2.97 m
Height Hull Roof	2.01 m
MOBILITY	
Engine	Diesel
Transmission	Fully Automatic
Max. Road Speed	65 km/h
Range	490 km
Gradient	60%
Side Slope	30%
Vertical Obstacle	0.74 m
Trench Crossing	1.83 m
Amphibious Capability	Standard
Max. Water Speed	6.3 km/h (with Track Propulsion)
Suspension System	Torsion Bar
Steering System	Through Transmission

PROTECTION & LIFE SUPPORT SYSTEMS	
Smoke Grenade Dischargers	12 (24 Optional)
Automatic Fire Suppression System	Optional
CBRN Protection System	Standard
A/C and Heater	Optional
ARMAMENT	
Turret Type	Stabilised manned or remote controlled SABER Turret
Crew / Operator	1 (Person)
Main Armament	25 mm Automatic
Secondary Armament (Coaxial)	7.62 mm MG
Traverse	360° Continuous
Elevation	- 8° to + 48°
Sight System	Day & Night Sight
MISSION EQUIPMENT	
Driver Vision System	Thermal Cam. & Display
Electrical System	24 V



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ACV-15

ARMoured COMBAT VEHICLE



OVERVIEW

Armoured Combat Vehicle (ACV) is the generic designation for a tracked, diesel engine powered, heavy armoured platform in the 13-15 tons class, capable of performing combined arms operations with main battle

tanks. The platform design allows integrating different subsystems for executing a variety of different roles. The Armoured Personnel Carrier (APC) chassis forms the base vehicle for all other members of the ACV-15 Family of Vehicles.

The ACV-15 is a tracked (5 road wheels), lightweight, low silhouette armoured vehicle capable of high-speed operations in desert conditions, poor infrastructure, roads and/or highways. Personnel access the vehicle through hatches located on the top and via the rear hydraulic ramp, which also features an integrated door. A large cargo hatch cover is provided in the top deck, behind the turret. Access for servicing and

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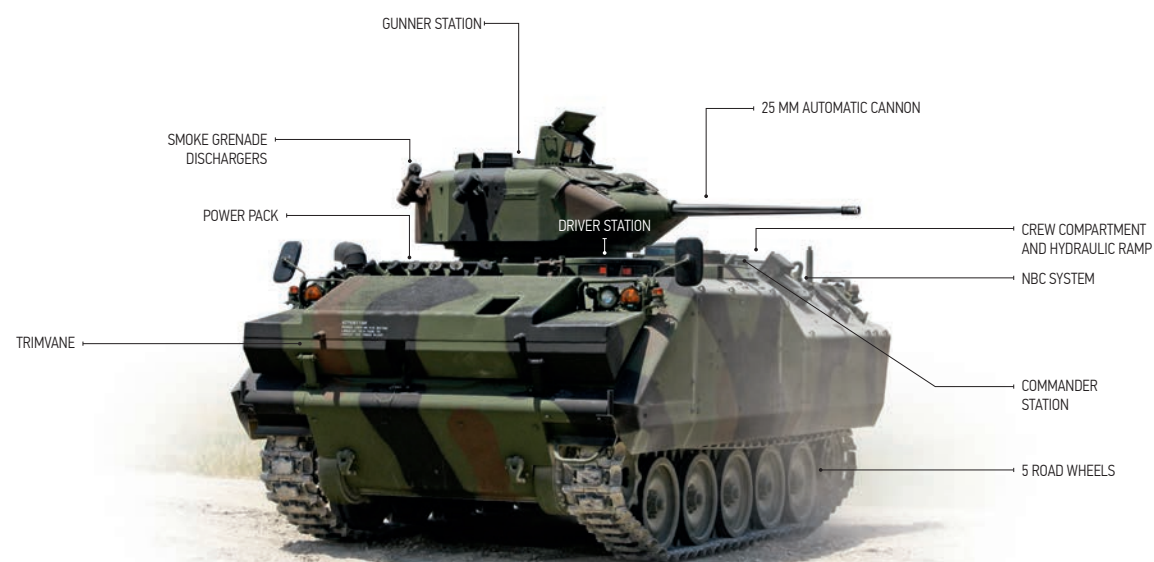


maintenance of the power plant, located in the front right section of the vehicle, is through internal covers and through a cover at the front of the vehicle. Two armoured fuel tanks are located at the rear of the vehicle for weight distribution and crew safety. The tanks are separated from the vehicle by an armour plate.

The hull is made of ballistic aluminium plates. Plate thickness varies on the different planes of the hull to meet ballistic requirements.

The all-welded construction provides a watertight hull; and hatches, doors, and other openings have watertight seals. The power plant and the driver's and commander's compartments in the forward area utilize about half the space, the turret section, and the personnel compartment in the rear utilizes the remaining half.

FNSS has produced more than 2,500 ACV-15s for Turkish Land Forces and users worldwide.



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Watch the Video





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VARIANTS



AAPC

The AAPC variant is the Advanced Armoured Personnel Carrier configuration of the ACV-15 vehicles. The vehicle is armed with the SANCAK Remote Controlled Turret or with a 12.7 mm MG installed on a pintle or light protected mount, and can carry 13 personnel including driver, commander and gunner.



SPM81

The SPM variant is the Self-Propelled Mortar configuration that provides indirect fire support. The vehicle is armed with a 81 mm mortar and a self-defence SANCAK RCT or a with a 12.7 mm MG installed on a pintle or light protected mount. It can carry 5 personnel including driver, commander and 3 mortar crew.



ARV

The ARV variant is the Armoured Recovery Vehicle configuration of the ACV-15 FoV. 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 terrains. It is armed with a self-defence 12.7 mm MG and can carry 4 personnel including driver, gunner, and 2 technicians.



AIFV

The AIFV is fitted with a stabilised 25 mm manned or remote-controlled SABER turret and can carry 11 personnel including driver, commander and gunner.





VARIANTS



ANTI ARMOR - TOW

The Anti-Armour-TOW is a mobile armoured platform fitted with a Remote-Controlled Antitank Turret armed with the TOW system. It has the capacity of carrying guided antitank rounds stowed inside the vehicle and 4 personnel; driver, commander, gunner, and loader.



FITTERS

The FITTERS variant is the Recovery & Maintenance Vehicle configuration of the ACV-15 FoV. It is distinguished by the large hatch on top of the hull and the hydraulic crane capable of lifting a complete powerpack if required. The additional flotation panel on the trim vane helps compensate for the weight of the hydraulic crane. It is armed with a self-defence 12.7 mm MG and can carry 4 personnel including driver, gunner and two technicians.

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AESV

The AESV variant is the Armoured Engineering Squad Vehicle configuration of the ACV-15 FoV. It can be armed with a self-defence SANCAK RCT or with a 12.7 mm MG installed on a pintle or light protected mount, and can carry 11 personnel including driver, commander, gunner, and combat engineers.



CPV

The CPV is the Command Post Vehicle variant of the ACV-15. 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 vehicle is armed with SANCAK RCT or with a 12.7 mm MG installed on a pintle or light protected mount, and can carry 6 personnel including driver, vehicle commander and staff officers.



AMEV

The AMEV is a highly manoeuvrable, tracked armoured ambulance designed primarily for casualty evacuation from forward battle areas. It can carry a driver, a medic with either 2 patients on stretchers and 4 seated patients, or 8 seated patients.



AFOV

AFOV variant is the Artillery Forward Observation Vehicle configuration of the ACV-15 FoV. It is equipped with an APU and mast mounted optronic devices and radar sensors for battlefield surveillance and target acquisition. It is armed with a self-defence SANCAK RCT or with a 12.7 mm MG installed on a pintle or light protected mount, and can carry 5 personnel including driver, commander, gunner, and system operators.