

ACV-15

ARMORED COMBAT VEHICLE

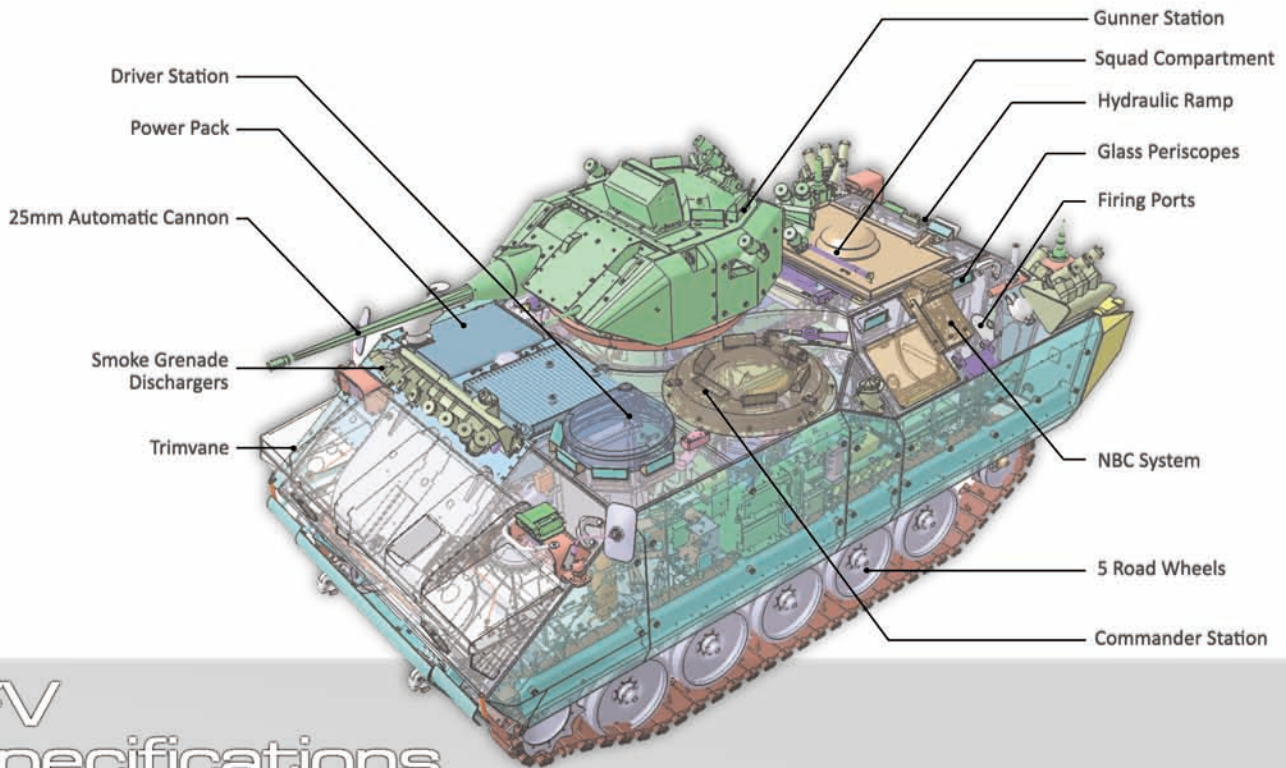


Mission Specific Features

- Multi-mission capable vehicles
- Mechanized / Armored Infantry
- Reconnaissance
- Special Operations
- Independent Infantry Operations
- Full Spectrum Conflicts



INFANTRY FIGHTING VEHICLE (IFV)



IFV Specifications

Technical

Engine	Diesel 350 hp (400 hp, Optional)
Transmission	Fully Automatic
Suspension	Torsion Bar
Electrical System	24 V
Steering System	Through Transmission
Track Width	381 mm (T-130 Forged)
Length of track on ground	2.88 m

General

Crew	11 (incl. Gunner; Driver & Commander)
Combat Weight	14,000 kg (± 1000kg)
Length	5.26 m
Width	2.82
Height Hull Roof	2.01 m
Height Overall	2.88 m
Ground Clearance	0.43 m
Ground Pressure	0.69 kg/cm
Fuel Capacity	416 liters
NBC System	Standard
Air Conditioning	Optional
Automatic Fifer Suppression	Optional
Drivers Thermal Cam. & Display	Optional

Performance

Max. Road Speed	
- Forward	65 km/h
- Reverse	11 km/h
Water Speed (Amphibious)	6.3 km/h (with Track Propulsion)
Max. Road Range	490 km
Gradient	60 %
Side Slope	30 %
Trench Crossing	1.83 m
Vertical Obstacle	0.74 m

Armament

Main Armament	M242 25 mm Automatic Cannon
Coaxial Armament	7.62 mm MG
Smoke Grenade Dischargers	12ea Standard (24ea Optional)
Turret Type	Sharpshooter™ Stabilized Turret
- Crew	1 (Gunner)
- Control	Electrical/Manual Back Up
- Traverse	360° continuous
- Elevation/Depression	- 8° to +48°
- Sighting	Day/Night Sight

The information given above is based on a standard vehicle configuration. The information is variable depending on user requirements. Please also notify that, data subject to change without notice.



Fully Amphibious

ACV-15 Description

The Armored Combat Vehicle (ACV) is the generic designation for a tracked, diesel engine powered, heavy armored platform in the 13-15 ton class, capable of performing combined arms operations with main battle tanks. The platform design allows integration of different subsystems for fulfilling a variety of different roles. The Armored Personnel Carrier (APC) chassis forms the base vehicle for all other members of ACV Family of Vehicles.

The ACV-15 is a full tracked (5 road wheels), lightweight, low silhouette armored vehicle capable of high-speed operations on desert conditions, poor infrastructure, roads and/or highways. Movement of the tracks propels and steers the vehicle on land. Access to the vehicle is through a hydraulically operated ramp, with personnel door, on the rear of the vehicle or through the driver and commander's hatches on the top deck. A large cargo hatch cover is provided in the top deck, behind the weapon station opening. Access for servicing and maintenance of the power plant, located in the right front section of the vehicle, is through internal covers and through a cover on the front of the vehicle. Two armored fuel compartments are located in the rear of the vehicle for weight distribution and crew safety. The compartments are separated from the vehicle by armor plate.

The hull is constructed of ballistic aluminum plate. 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 one-half the space, while a weapon station opening located on the right middle section, and the personnel compartment in the rear utilizes the remaining one-half.



Hydraulic Ramp & High Internal Volume



Increased Fire Power



All Terrain Mobility



Air Deployable

ACV-15

Variants

INFANTRY CARRIER VEHICLE



INFANTRY FIGHTING VEHICLE



ENGINEERING SQUAD VEHICLE



120MM MORTAR VEHICLE



81MM MORTAR VEHICLE



ARMoured RECOVERY OR FITTERS



AIR DEFENCE VEHICLE



MEDICAL EVACUATION VEHICLE



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