

AIFV

ARMORED INFANTRY FIGHTING VEHICLE



The AIFV is a tracked light armored vehicle that serves as an infantry fighting vehicle in several countries. It's an improved M113A1 armored personnel carrier with 85% identical spare parts.



POWER PACK

GM Detroit Diesel 6V53 Turbo engine
Allison TX100-1A transmission

MAX SPEED

- road 61.2 km/h
- water 6.3 km/h

ACCELERATION

0 to 32 km/h in 10 sec

SUSPENSION

high strength torsion bars

FUEL CAPACITY

416 litres - range : 490 km

STEERING

mechanically controlled differential and pivot steering

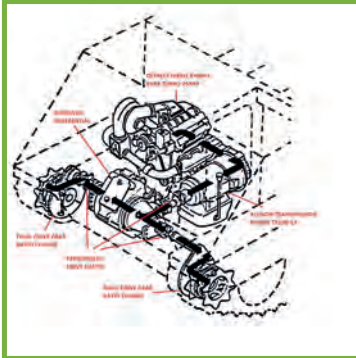
EWS-ENCLOSED WEAPON STATION

- 25mm KBA-B02 cannon
- 7.26x51mm Nato machine gun





Power pack consists of a Detroit Diesel 6V53 turbocharged engine coupled by a transfer gearcase on a three-speed automatic Allison TX100-1A transmission, which is fitted with heavy duty U-joints and drive shafts. A 180 Amp alternator from C.F. Niehof & Co is mounted on the transfer gearcase. The complete power pack can be easily removed from vehicle.



Driver sits to the left of the powerpack and has four M27 periscopes, the center periscope can be replaced by a passive infrared periscope for night vision.

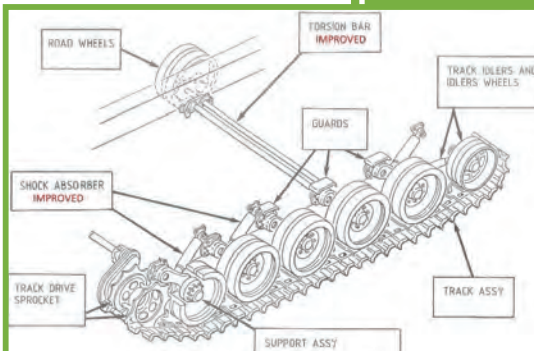
Commander is seated behind the driver and has a cupola that can be traversed 360°. The commander's cupola has four M17 periscopes and one with 1x to 6x variable magnification.



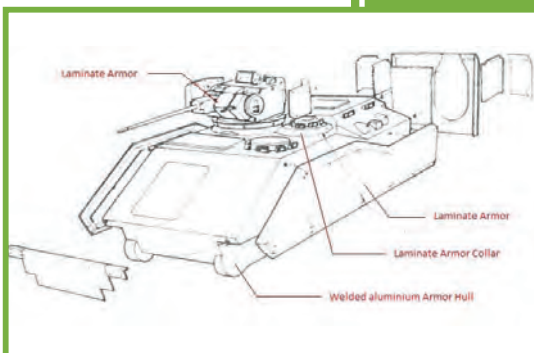
Troop compartment is at the rear of the hull, a hydraulic operated ramp allows access through the rear of the vehicle. Additionally a single piece hatch covers the top of the troop compartment. There are two firing ports on each side of the hull and a single firing port in the rear, all fitted with periscopes.

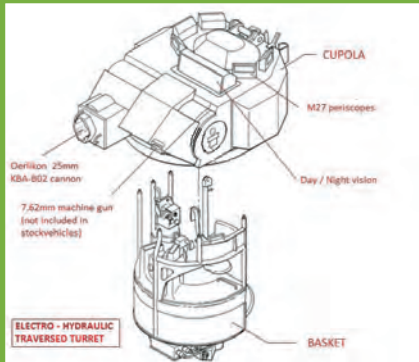


Suspension consists of high strength steel torsion bars with improved KONI shock absorbers for smoother ride and reduced g-forces.



Hull of the vehicle is made of welded aluminium armour with additional layers of spaced laminate steel bolted onto the side and front. The voids are filled with polyurethane foam for improved floating capability during amphibious operations.





EWS – Enclosed Weapon Station is fitted on the right of the hull behind the engine. It has four M27 periscopes and one day/night viewer.

Turret has an electro-hydraulic traverse, elevates from -10 to $+50^\circ$ with a max speed of 60° per second.

An Oerlikon 25mm KBA-B02 cannon with dual ammunition feed is mounted in the turret. The cannon has 180 rounds of ready to use ammo, 144 rounds reserve. Mounted to the left of this cannon is a 7.62mm FN MAG machine gun, which has 230 rounds of ready ammo, and 1.610 in reserve. (machine gun not included in available vehicles). 6 smoke grenade launchers are mounted on the turret.

STOCK AVAILABILITY



Available from stock :

- 35 EA with EWC - Enclosed Weapon Station 25 mm
- 8 EA Personal Carriers

Vehicles are all in running condition, they can be serviced before delivery

SUMMARY

Type :	Armored Infantry Fighting Vehicle
Place of origin :	United States
Specifications :	
Dimensions :	
• Weight :	combat load 13.6 tons / empty 11.4 ton
• Length :	5.26 m
• Width :	2.82 m
• Height :	hull top front 1.85 m / rear 2.00 m turret roof 2.79 m
• Ground clearance :	0.432 m
Crew :	3+7
Armour :	aluminium hull (40 mm) with spaced laminate steel armor on front and sides
Main armament :	25 mm KBA-B02 cannon with
• Munition :	180 rounds ready; 144 in reserve
• Rate of fire :	50 rounds/min
• Muzzle velocities :	1.100 – 1.360 m/sec (depending ammo type)
• Firing height :	2.33 m
• Recoil force :	2.500 kg
Secondary armament :	7.62x51mm NATO Machine gun (not installed)
• Munition :	230 rounds ready; 1610 in reserve.
Smoke-laying equipment :	6 smoke grenade launchers mounted on the turret
Power pack :	
• Engine :	GM Detroit Diesel 6V53 Turbo engine model 5063-5396 V-type watercooled engine producing 265 hp at 2800 rpm
• Transmission :	Allison TX100-1A transmission
• Power/Weight Ratio :	19.29 hp/ton
Max speed :	road 61.2 km/h / water 6.3 km/h
Acceleration :	0 to 32 km/h in 10 sec
Suspension :	High strength torsion bars
Fuel capacity :	416 litres - range : 490 km
Steering :	mechanically controlled differential and pivot steering

Current operators : Bahrein 75, Chile (+169), Egypt (+1000), Jordan (500), Lebanon (16), Morocco (110), Malaysia (322), Philippines (71), Turkey (+2000), United Arab Emirates (133)

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