

GENERAL DYNAMICS
Land Systems

The LAV III was designed as a response to a growing customer need for greater payload and protection levels. Since being introduced, the LAV III fleet has been sold to various customers in a wide range of variants. To date, over 4,200 vehicles have been ordered, with the majority being Strykers for the United States Army.

LAV III





LAV III

ABOUT THE VEHICLE

Strategic, operational and tactical mobility

Ballistic, chemical and optical protection (active and passive)

Capacity to transport and support an infantry section

Effective firepower to defeat soft and armored targets

Supportability and affordability

Battlefield survivability to carry out combat missions

Growth potential for future combat systems

FEATURES & SPECIFICATIONS

SIZE/WEIGHT

Length - 6.98 m, 275 in
Width - 2.83 m, 111.5 in
Height - ~3 m, 118 in
(for air transport) - 2.69 m, 106 in
Air transportability - C-130
GVWR - 20,459 kg, 45,104 lbs

PERFORMANCE @ GVM

Speed - 100+ kph, 62 mph
Range - 450+ kph, 280 mph
Trench crossing - 2 m, 79 in
Vertical step - 60 cm, 24 in
Grade - 60%
Side slope - 30%
Turn diameter - 17.5 m, 689 in
0-40 kph/0-24.85 mph - <12 sec

POWER TRAIN & SUSPENSION

Engine - 350 hp (250 kW) Caterpillar 3126HEUI
Transmission - 6+1 speed Allison World 3066P
Transfer case - 2-speed
Differentials - Self-locking limited slip
Tires - 1200R20 XML with run-flat
Towability - By similar vehicle with standard towbar
Hull - Welded ballistic steel monocoque
8-wheel, independent, hydropneumatic suspension with height control
Full-time 4WD (rear) with selectable 8WD
Power air brakes with 6-channel ABS
Central tire inflation system
Paint - CARC white (Interior), CARC green (exterior)

EQUIPMENT

On Vehicle - Crew weapons and ammunition, Personal kits, water and rations, Tool, camouflage nets, etc.
Supplementary - Hydraulic capstan self-recovery winch, operable to the front or rear, mounted on roof behind driver, ATGM wire cutters
Specialist - Front-mounted, hydraulically controlled, light obstacle moving blade
Communication & Land Navigation - SINCGARS VHF & Harris HF radios, Vehicle intercom system, GPS/digital compass integrated land navigation system

ARMAMENT

Primary - M242 Bushmaster 25mm cannon
Secondary - C6 7.62mm co-axial machine gun
Supplementary - Mag58 turret top MG in swing mount, 76mm smoke grenade dischargers

FIRE SUPPRESSION

Automatic and manual activation
2-shot system
FM-200 in crew area
HFE-125 (FE25) in engine bay

VISION

Driver - 3 M17 periscopes, Thermal viewing aid, Rear view mirrors (stowable)
Commander - DIM36 sight with thermal display, Gen III image intensifier, 8 M27 periscopes
Gunner - DTAS day/thermal sight, Through-sight THALES, 1 M27 periscope (left facing)
Crew Compartment - 1 vision block (rear ramp)

DOORS & HATCHES

1 rear ramp with troop door
1 driver's hatch (forward, LS)
1 commander's hatch (turret)
1 gunner's hatch (turret)
2 air sentry hatches (rear roof)

SYSTEMS

Climate Control System - Air conditioning, Diesel-fired crew heater, Fresh air ventilation
Situational Awareness System - LCD display/control in troop area, Camera co-axial to main weapon, Access to driver's thermal image, Access to gunner's thermal image, Input/output features
Laser Warning System - Automatic warning against common battlefield laser threats, Driver and commander's displays
Battlefield Contaminants - GID-3 chemical detector, Individual ventilated respirators
Electrical System - 24 volt, negative ground, MIL-SPEC system, Suppressed radio interference, MIL-STD 280A alternator, Dual banks of isolated sealed lead acid batteries (automotive, auxiliary), Standard 500A slave receptacle, On-board battery chargers, Solar powered battery desulphation, Near-silent auxiliary power unit (APU) for silent watch