

LAV III

- 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



Armored Personnel Carrier

GENERAL DYNAMICS
Land Systems-Canada

GENERAL CHARACTERISTICS

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.
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

- 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

Air Transportability

- C-130

Fire Suppression

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

Climate Control System

- Air conditioning
- Diesel-fired crew heater
- Fresh air ventilation

Paint

Interior: CARC white
Exterior: CARC green

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

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

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)

Communication & Land Navigation Equipment

- SINCGARS VHF & Harris HF radios
- Vehicle intercom system
- GPS/digital compass integrated land navigation system

Hull

- Welded ballistic steel monocoque

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)

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

Towability

- By similar vehicle with standard towbar



LAV III

www.gdlsCanada.com

GENERAL DYNAMICS
Land Systems-Canada