

LAV 6.0

The LAV 6.0 further enhances the combat-proven LAV III. With an inherent Double-V™ hull and energy attenuated seats, the LAV 6.0 provides world-class protection. The vehicle also features an upgraded driveline, suspension, larger tires, and a more powerful engine to deliver significantly increased payload and superior mobility performance. Advanced electronics and sight upgrades provide improved target identification and weapon accuracy, all packaged in a turret with enhanced ergonomics and safety. The LAV 6.0: the number one choice of today's modern army.



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GENERAL DYNAMICS
Land Systems

The LAV 6.0 is the culmination of decades of light armoured vehicle technology evolution by General Dynamics Land Systems, the world's leading provider of wheeled combat vehicles. It conveys all the self-deployment benefits and sustainment savings normally possessed by highway capable wheeled platforms, with exceptional off-road mobility.

- Capacity to transport and support an infantry section
- Effective firepower to defeat soft and armoured targets
- Battlefield survivability kits to carry out full spectrum of missions
- Revolutionary Double-V™ hull providing unparalleled blast protection
- Outstanding reliability, supportability and affordability
- Growth potential for future combat systems

FEATURES AND SPECIFICATIONS

Size/Weight

Length: 7.62 m
 Width: 2.78 m
 Height: 3.16 m
 GVWR: 28,636 kg

Performance @ GVM

Speed: 100+ km/h
 Range: 600 km
 Trench crossing: 2 m
 Vertical step: 60 cm
 Grade: 60%
 Side slope: 30%
 Turn diameter: <19 m

Power Train & Suspension

Engine: 450 hp (335 kW)
 Caterpillar C9
 Transmission: ZF 7-speed
 Transfer case: 1-speed
 Differentials: Limited slip
 Tires: 395/85 R20 with run-flat

- 8-wheel, independent, hydropneumatic suspension with height control
- Full-time 4WD (rear); selectable 8WD
- Drum brakes with 8-wheel ABS
- Central tire inflation system

Air Transportability

- C-17 transports two LAVs
- C-5 transports three LAVs

OPTIONS

Armament

- Primary:
- M242 Bushmaster 25mm cannon
- Secondary:
- 7.62mm co-axial MG
- Supplementary:
- Swing mount 7.62mm MG
 - 76mm smoke grenade dischargers

Communication & Land Navigation

- Provisions for customer-specified radio & vehicle intercom systems
- GPS/digital compass integrated land navigation system

Equipment

- On Vehicle Provisions:
- Crew weapons and ammunition
 - Personal kits, water and rations
 - Tool, camouflage nets, etc.
- Supplementary:
- ATGM wire cutters
 - Optional hydraulic capstan self-recovery winch, operable front or rear
 - Optional front or rear spare tire carrier

Protection Systems

- Revolutionary Double-V™ hull provides unparalleled mine/IED blast protection
- Energy attenuating seating for driver and crew; energy attenuating or bench seating for troops
- Spall liner and scalable add-on armour kits

Fire Suppression

- Automatic and manual activation
- Single-shot system in crew area
- Dual-shot system in engine bay

Electrical System

- 24 volt, negative ground, MIL-SPEC system
- Belt-driven 570 amp alternator
- Dual banks of isolated batteries (automotive, auxiliary)
- Standard 500A slave receptacle
- LED interior/exterior lighting
- Optional battery charger
- Optional DC/AC inverter

Climate Control System

- Air conditioning
- Diesel-fired crew heater/engine preheat
- Fresh air ventilation

Laser Warning System

- Automatic warning against battlefield laser threats
- Driver and commander's displays

Battlefield Contaminants

- Chemical agent detector
- Individual ventilated respirators

Situational Awareness

- Driver:
- (3) M17 periscopes
 - Thermal viewing aid
 - Rear viewer
- Turret:
- Day and thermal sight
 - Image intensifier
 - Tactical Display
 - (6) turret periscopes
- Crew Compartment:
- (1) vision block (in rear ramp)
 - Optional Crew display

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