

LAV II H

The LAV II H has been developed by General Dynamics Land Systems – Canada to showcase significant improvements to LAV II mobility, payload and survivability.



Major Technology Features

- 3.5 Suspension and Brakes supporting 18,600 kg GVW
- Low Weight Cummins ISBe Powerpack (300 hp)
- Larger, Higher Capacity 335/80R20 Tires
- Exterior Ballistic Fuel Tanks
- Energy Attenuating Seats for 9 troops + Driver and Commander
- Provision for add on survivability kits



LAV II H

GENERAL DYNAMICS
Land Systems-Canada

GENERAL CHARACTERISTICS

Size/Weight

Length	6,920 mm	272 in.
Width	2,650 mm	104 in.
Height (Roof)	2,260 mm	89 in.
Curb Weight	13,000 kg	28,600 lbs
Gross Vehicle Weight	18,600 kg	41,000 lbs
Payload	5,600 kg	12,400 lbs

Performance at GVW

Governed Speed	100 kph	62 mph
Maximum Range	640 km	400 mi.
Minimum Turn Diameter	16.75 m	54.95 ft
Maximum Trench Crossing	2 m	6.5 ft
Maximum Longitudinal Grade	60%	
Maximum Side Slope	30%	

Power Train & Suspension

Engine	300 hp Cummins ISB-300 6.7 litre with REPTO
Transmission	Allison 2500SP 5 forward, 1 reverse speeds
Transfer Case	2 speed with gear disengagement for high speed towing
Differentials	4 automotive
Suspension	<ul style="list-style-type: none">• (8) wheel independent, hydropneumatic• Height management system with selectable height settings• Full time (4) wheel drive (rear)
Tires	335/80R20 with run flats and CTIS
Brakes	Pneumatic Drum Brakes with ABS
Fuel	Dual, externally mounted ballistic fuel tanks

Air Transport Capability

- | | |
|---|---|
| <ul style="list-style-type: none">• (1) C-130• (2) C-141 | <ul style="list-style-type: none">• (4) LCAC• (8) C-5A |
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Survivability

Provision for add on survivability kits

Optional Modular Add-on Kits

- Ballistic & artillery threats
- IED, VB-IED, RPG protection

Energy attenuating mine blast seats for all crew

Automatic fire suppression system in engine and crew compartments

360° under armour situational awareness system

Armament

Weapon Stations: Manned or Remote per customer requirements

Smoke Grenade Launchers

Vetronics & Electrical

24 V DC

- MIL-STD wiring, connectors, breakers, harnesses
- 280 amp alternator
- (4) HASP-FT batteries

J1939 CAN-bus digital network

Digital driver display panel and common crew displays

Distributed intelligent power management

Personnel

11 total

- (1) driver
- (1) vehicle commander
- (9) troops

Doors/Hatches

- (1) Driver, enlarged with periscopes
- (1) Vehicle Commander, enlarged with periscopes
- (1) Gunner
- (2) Rear Roof Sentry
- (1) Winch
- (1) Power Entry Panel

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