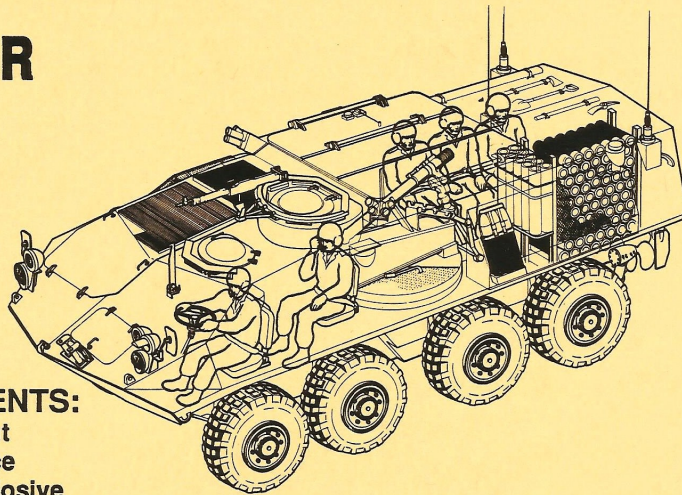


MORTAR CARRIER

LAV-M



MISSION ROLE REQUIREMENTS:

- Indirect fire support to light infantry and reconnaissance forces; providing high explosive area fire, covering smoke and illumination for first-line units.

FEATURES

SIZE/WEIGHT

- Length 252.6 inches
- Width 98.4 inches
- Height 110.0 inches (reducible to 98 inches)
- Curb Weight 22,750 lb
- Gross Weight (max) 26,700 lb

PERFORMANCE @ GVW

- Maximum speed 62 mph
- Swim speed 6 mph
- Maximum range 410 miles
- Minimum turn diameter 51 feet
- Maximum trench crossing 81 inches
- Maximum grade 60 %
- Maximum side slope 30 %

POWER TRAIN & SUSPENSION

- Engine 275 hp Detroit Diesel 6V53T
- Transmission Allison MT653 (5 speeds forward - 1 reverse)
- Transfer case (1)
- Differentials (4) automotive (1) water drive
- Suspension (8) wheel independent
- Full time 4 wheel (rear)
- Selective 8 wheel drive
- Selective water drive
- Water drive (2) propellers (4) rudders
- Power steering
- Power brakes

LAV AUTOMOTIVE SUBSYSTEM

	Purchase Description Requirement	LAV-25 IPT Assessment Results*
Reliability (MMBMF)	> 1250 miles	5700 miles
Maintenance Ratio		
- Organizational	< 0.30	0.15
- Intermediate	< 0.08	0.01
Mean Time To Repair		
- Organizational	< 1.3 hours	0.61 hours
Tasks above ORG level	< 20 percent	1 percent
Availability	> 0.90	0.96
Operating Cost**	not stated	\$1.79 per mile

* Calculations by General Motors based on RAM-D data from Initial Production Testing of the LAV-25 automotive subsystem (1984/85). Details available on request.

** Parts, labour and POL for automotive subsystem only (excluding weapons station and GFE).

Specifications subject to change without notice.



THE ULTIMATE ALLY



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AIR TRANSPORTABILITY

- (1) C-130
- (2) C-141
- (8) C-5A
- (1) CH-53 (helicopter lift)

TOWABILITY

- By similar vehicle
(with standard towbar MS-500048)

ELECTRICAL SYSTEM

- 24 volts negative ground
 - water proof
 - radio suppressed system
 - wiring, connectors, breakers, harnesses IAW MIL-STD's
- MIL-STD 200 amp alternator
- (4) batteries per MS 35000
500 amp slave receptacle

FIRE SUPPRESSION

- Halon 1301 (manual system in crew & engine compartments)

SELF RECOVERY WINCH

- Hydraulic (front mounted 15,000 lbs dynamic pull)

NBC SYSTEM

- M8A1 ventilated face mask system & M43A1 detector/alarm system

ATGM WIRE CUTTER

- (1) at driver

AMPHIBIOUS

- Fully (with 3 minute preparation)

PAINT

- CARC -interior light green
- CARC -exterior camouflage pattern

EQUIPMENT

- Stowed base plate & bipod for ground mounted mortar

ON VEHICLE EQUIPMENT

- Tools, camouflage nets, utensils

VISION

- Driver - (3) M-17 periscopes,
 - (1) night vision AN/VVS-2(V)4
- Vehicle Commander
 - (8) M-17 periscopes
 - (1) night vision AN/VVS-2(V)4
- Crew Compartment
 - (1) vision block MIL-B-11352

DOORS/HATCHES

- (2) rear with center post
- (2) rear roof overlapping
- (1) driver
- (1) vehicle commander
- (1) winch

PERSONNEL

- (5) total
 - (1) driver
 - (1) vehicle commander
 - (3) mortar crew

COMMUNICATION EQUIPMENT

- AN/VIC-2V intercom system
- (2) VHF radios TSEC/KY-67
- (1) VHF radio AN/PRC-68 (stowed)
- (1) UHF position location reporting system
- (3) antennae

ARMAMENT:

- Primary - M252 81 mm mortar
(360 degrees traverse)
- Self defense - M60E3 7.62mm machine gun
- Ancillary - (2) M257 smoke grenade launchers
- Ammunition
 - Ready: (8) L8A1 smoke grenades
200 rounds 7.62mm
(5) 81mm bombs
 - Stowed: (8) L8A1 smoke grenades
800 rounds 7.62mm
(94) rounds 81mm bombs
plus 20 fuses