LIGHT ARMOURED RECONNAISSANCE VEHICLE

MISSION ROLE REQUIREMENTS

- Mobility and protection for reconnaissance of the enemy and terrain
- Tactical mobility for effective use of firepower
- Firepower to defeat soft armoured targets
- Battlefield survivability to carry out combat missions
- Supportability and affordability

Size/Weight

Length:	6527 mm	257 in.
Width:	2620 mm	103 in.
Height:	2692 mm	106 in.
Curb weight:	11,680 kg	25,750 lbs
Combat weight:	13,200 kg	29,100 lbs

Performance @ GVW

Governed speed:	100 kph	62 mph
Swim speed:	10 kph	6.2 mph
Maximum range:	660 km	410 miles
Minimum turn diameter:	15.5 m	51 ft.
Maximum trench crossing:	2 m	6.5 ft.
Maximum grade:	60%	
Maximum side slope:	30%	

ASLAV-25

GENERAL STATISTICS

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) drive
Selective 8 wheel drive
Selective water drive

Water drive:	2 propellers 4 rudders

Power steering
Power brakes

Air Transportability

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

Doors/Hatches

2 rear with centre post
2 rear roof
1 driver
1 gunner
1 vehicle commander
1 left-hand side escape
1 winch
1 power entry

Towability

By similar vehicle (with standard towbar MS-500048)

Fire Suppression

- Halon 1301
- AFES two shot automatically activated

Electrical System

24 volts negative ground:
- waterproof
- radio suppressed system
- wiring, connectors, breakers, harnesses IAW MIL-STDs
- MIL-STD 220 amp alternator
- 4 batteries per MS 52149E (AT)
- 500 amp slave receptacle

Personnel

9 total
1 driver
1 vehicle commander
1 gunner
6 troops (provision for)

Armament

Primary:
- M242 25mm chain gun with Thermal Imaging Sight

Secondary:
- M240 7.62mm machine gun mounted coaxially to the main gun

Supplementary:
- MAG58 7.62mm machine gun (pintle mounted)

Ancillary:
- (2) 76mm Smoke Grenade Launchers (Clusters of 4 launchers each)

Ammunition

Ready:	(8) 76mm Smoke Grenades 400 rounds 7.62mm 210 rounds 25mm
Stowed:	(8) 76mm Smoke Grenades 800 rounds 7.62mm 510 rounds 25mm 300 rounds 5.56mm for Steyr rifles

Climate Control System

Air Conditioning

Anti Tank Guided Missile Wire Cutter

1 driver
1 turret

Amphibious

Fully (with 3 minute preparation)

On Vehicle Equipment

Tools, Camouflage nets and Utensils

Vision

Driver:
- (3) M-17 periscopes
- (1) night vision AN/VVS 2 (LAV) GEN III

Vehicle Commander:
- (7) M-27 periscopes
- (1) M36/LAV sight consisting of:
  - Day sight
  - Night Sight Elbow (GEN III)
- (1) Commander's Thermal Display

Gunner:
- (1) M-27 periscope
- (1) DTAS-DIM36TH sight consisting of:
  - Thermal Sensor and Display
  - LASER Range Finder/Day sight

Crew Compartment:
- (6) vision block MIL-B-11352 and MIL-F-62422

Equipment

Self-recovery Hydraulic Winch (Front-mounted 15,000 lb. dynamic pull)

Communication Equipment

- 4 station intercom system
- 2 VHF radios COMSEC ECCM
- 1 HF radio COMSEC ECCM

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