

ALVIS MLV - OUTLINE SPECIFICATIONS

Dimensions		Mechanical Components	
Wheelbase	3200mm	Engine	
Length	4687mm	Type	Iveco FI C, common rail Euro III
Max width at PUR wheel arches	2050mm	Output	185 HP at 3700 rpm (DIN 70020)
Max height	1950mm	Torque	456 Nm at 1800 rpm
Approach angle	58°	Total	
Departure angle	43°	displacement	3000 cc
Ground clearance under belly	473mm		
Turning, circle	14000mm		
Weights		Gear Box	
G.V.W.	7000 kg	ZF6HP26 6 speed Automatic gear box,	
Payload	1200 kg	6 forward gears plus reverse	
Total	7000 kg	Brakes	
Front axle	3500 kg	On-Board disc type, front and rear	
Rear axle	3900 kg	Air over hydraulic system	
Towing capacity	4200 kg	Off-road ABS	
Performance		Electrical System	
Max speed	>130 km/h	24V, according to MIL-STD 1275A(AT)	
Min. speed approx.	4 km/h	Black-out lighting system	
Gradeability	>60%	90A/24V alternator or dual voltage alternator	
Side slope	>30%	EMC to MIL STD 461/D	
Fording depth without preparation	850mm		
Range	>500 km		
Step	500mm		
Climatic operating range	-32/ +49°C	The Company reserves the right to change these specifications	

ALVIS MLV
MULTIPURPOSE LIGHTWEIGHT VEHICLE



- MULTI ROLED
- RAPID DEPLOYMENT
- HIGH MOBILITY
- MINE & BALLISTIC PROTECTION
- STEALTH DESIGN
- NATO CODIFIED



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MULTIPURPOSE & TRANSPORTABLE

The Alvis Multipurpose Lightweight Vehicle (MLV) is the culmination of a product partnership between Alvis Vickers Ltd and Iveco DVD. The MLV is a highly innovative vehicle which combines the benefits of commercially proven automobiles with a design which incorporates mine and ballistic protection from the outset. Unlike almost all other vehicles in its class, the protection afforded to the crew is readily tuneable by the replacement of armour packs within the vehicle's external skin, allowing the vehicle to retain the same profile whatever its mission. The result is a highly survivable, high mobility vehicle suited to deployment in a wide variety of roles and operational environments, from general war to peace keeping.

The vehicle's high protection and mobility are complemented by a low observable design and minimised acoustic, radar and thermal signatures, achieved by considering these factors throughout the development process.

The MLV currently has a 7000kg GVW, and a payload in excess of 1200kg, and provides STANAG Level 3 ballistic protection, and mine protection of 6kg under the wheels.

The MLV is fitted with an Iveco 186 Bhp common rail diesel engine, certified to Euro III emission levels, which drives the 6 speed fully automatic gearbox. The vehicle is equipped with full time 4x4 wheel drive. MLV is designed to meet all relevant European road legislation.

Accommodation is provided for up to 5 people and a spacious rear cargo compartment is provided for mission related equipment. The MLV is adaptable to a wide variety of roles, being available in a choice of wheel bases and cab/cargo configurations depending on its intended deployment. MLV is a class leading, technically advanced vehicle ideally suited to the varied operational environments that face forces worldwide today.

