

GENERAL DYNAMICS
European Land Systems

MERLIN 4x4

Wheeled Vehicles 



Light Tactical Vehicle

MANUFACTURER	GD European Land Systems-Mowag GmbH
PRODUCT	MERLIN
DRIVE MODE	4x4
CATEGORY	Light Tactical Vehicle
NUMBER OF SEATS	Up to 10



The LTV MERLIN is an extremely durable, compact, light and robust vehicle platform, which provides superior multi-role capability, unmatched payload and very large transport space. Developed for rugged military use from the outset, its unique driveline and suspension technology is derived from our proven and in-service DURO / EAGLE 4x4 chassis offering superior agility, manoeuvrability and cross-country mobility. The compact 4x4 vehicle fits inside CH-47 and CH-53 transport helicopters and can accommodate up to 10 soldiers.

Due to the flexibility and versatility of the vehicle body design, the MERLIN can be configured in many variants as personnel transport, ambulance, logistic and combat missions and can also be equipped with various protection kits.

Product Features

WEIGHTS		ENGINE		OPTIONAL EQUIPMENT
Ready for operation	3.2 t	Manufacturer	FPT	Winch
Payload	3.1 t	Type	F1C	Central Tire Inflation System (CTIS)
Gross Vehicle Weight	6.3 t	Multi fuel capability	Yes	Runflat tires
DIMENSIONS		N° of cylinders	4	Snow chains
Overall length	5.05 m	Performance	129 kW	Various mission kits
Height	1.85 m (variable)	Torque	430 Nm	Different Protection Kits
Overall width	1.82 m	TRANSMISSION		Camouflage Kit
Wheelbase	3.48 m	Manufacturer	ZF	
Ground clearance	0.35 m	Type	8HP-90	
Angle of approach	43°	Mode of operation	automatic	
Angle of departure	31°	Number of gears	8	
Number of seats up to	10	DRIVELINE AND SUSPENSION		
VEHICLE PERFORMANCE		Wheel drive	Permanent, four wheel	
Max Speed	130 km/h	Differential	Two-speed with Torsen, self locking	
Gradient up to	60%	De-Dion axles with wheel hub gear, patented roll stabilizers		
Fording depth	0.8 m	Brakes	Hydraulic disc type with ABS and ESP	
Turning circle diameter wall to wall	13 m	Steering	Hydraulic power assisted	
		Tires	275 / 80 R 20	

Please note that the technical data refer to the baseline vehicle. They might vary due to configuration, version and mission.

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The Company reserves the right to modify details, design and building methods in order to comply with the latest technical innovations. All technical data are subject to change without notice.

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