

M1151A1w/B1 HMMWV



Shown with Frag Kits.

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MOBILITY SOLUTIONS FOR THE 21ST CENTURY™

M1151A1w/B1 HMMWV

OVERVIEW



PERFORMANCE

The M1151 is an Expanded Capacity Armament Carrier IAP/Armor Ready HMMWV. Designed as an armament carrier, the M1151 provides for the mounting and firing of various weapons systems which are ring-mounted with a 360 degree arc of fire. It also offers an optional Gunners Protection Kit and Manual Traversing Unit.

HMMWV is the world-standard family of light, tactical vehicles. It is a lightweight, high-performance, independent four-wheel drive, versatile and adaptable platform that currently supports more than 100 different systems.

PAYLOAD

As an Expanded Capacity Vehicle, the M1151 is specifically designed for use over all types of roads, as well as cross-country

terrain, and in all weather conditions without sacrificing mobility, dependability or performance. The M1151 payload varies by armor configuration and fragmentation kit, ranging from 3,340 to 5,100 lb. The M1151 is air transportable and droppable, and can be sling-loaded by helicopter.

PROTECTION

The M1152 provides superior protection for crew, weapons components, and ammunition. The armor is available in two kits: The "A" kit, which can be factory installed, and optional "B" kit, which when combined, provide gapless mine and ballistic protection. The additional armor and fragmentation kits are field installable and removable to provide flexibility for missions that do not require heavy protection. The vehicles are equipped with an A/C system to provide greater crew comfort.

M1151A1 includes standard:

- Underbody armor
- Rocker armor
- Lower windscreen deflector armor
- Energy absorbing seats

M1151A1 w/B1: Plant or Field Installable B1 Kit includes:

- Perimeter armor
- Overhead armor
- Rear ballistic bulkhead

Optional Frag Kits:

- Frag 1: Side and door perimeter protection
- Frag 2: Front cowl, and wheel well protection
- Frag 5: Door and SMCL (Single Movement Combat Lock)

SPECIFICATIONS

GVW	M1151: 13,450 lb. (6,101 kg)
	M1151A1: 13,450 lb. (6,101 kg)
	M1151A1 w/B1: 13,450 lb. (6,101 kg)
Payload	M1151: 5,820 lb. (2,640 kg)
	M1151A1: 5,170 lb. (2,345 kg)
	M1151A1 w/B1: 3,020 lb. (1,370 kg)
Curb Weight	M1151: 7,630 lb. (3,461 kg)
	M1151A1: 8,280 lb. (3,756 kg)
	M1151A1 w/B1: 10,430 lb. (4,731 kg)

M1151A1w/B1 SPECIFICATIONS

Towed Load Allowance	4,200 lb. (1,905 kg)
Shipping Dimensions	800 cubic ft. (22.65 cubic m)
	123 sq ft. (3.48 sq m)
	194.0 in. (4.93 m) Length
	91.0 in. (2.31 m) Width
	78.3 in. (1.99 m) Height
Center of Gravity (at curb weight)	36.9 in. (93.73 cm)
	Above Ground
	67.1 in. (1.70 m)
	Rear of Centerline at Front Axle

Track Width	71.6 in. (1.82 m)
Wheelbase	130 in. (3.30 m)
Turning Radius	25 ft. (7.62 m)
Ground Clearance	17.2 in. (43.69 cm)
Angle of Approach	48.8°
Angle of Departure	37°
Ramp Breakover Angle	25°
Grade Capability (at GCW)	40%
Side Slope Capability (at GCW)	30%
Climb Capability (at GCW)	12 in. (30.5 cm) Vertical Step
Cargo Bed Height (at GCW)	35.9 in. (91.19 cm)
Engine	General Engine Products (GEP) V8, 6.5L Turbocharged Diesel
Horsepower	@ 3,400 RPM: 190HP (142KW)
Torque	@ 1,700 RPM: 380 lb.-ft (515 N•m)

Transmission	General Transmission Products (GTP) 4-Speed Automatic
Transfer Case	2 Speeds Ratios: High - 1:1; Low - 2.72:1
Differentials	Front and Rear - Hypoid Ratios 3.08:1
Frame	Steel Box Section 5 Crossmembers
Front Suspension	Independent Double A-Frame; Coil Spring; Telescopic Shock Absorbers
Rear Suspension	Independent Double A-Frame; Coil Spring; Rate - Variable; Telescopic Shock Absorbers
Geared Hub	Ratios: 1.92:1
Wheels	Two-Piece Take Apart; 16.5 x 8.25 x 6.5 BC
Tires	Non-Directional Cross-Country Tread; 37 x 12.5R-16.5; Load Range: E

Service Brakes	Type: Disc - Front & Back Dual Master Cylinder with Hydroboost; Rotor Size - 306.8 mm Dia.; 24-mm Thick; Lining Area - 11.5 in. (89.2 in. Total)
Parking Brakes	Dual Disc, Independent, Hand-Operated Lever
Electrical System	Dual Voltage 14V/28V
Fuel Capacity	25 gal. (95 L)
Performance	250 mile (402 km) Cruising Range
Maximum Speed	70 mph (113 kph)
Deep Water Fording	30 in. (0.76 m), 60 in. (1.52 m) w/ Kit
Run Flat Capability	30 miles @ 30 mph (48 km @ 48 kph)
Transportability Modes	Highway, Rail, Marine, and Air