

# M1167 HMMWV



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## OVERVIEW



### PERFORMANCE

The M1167 is an Expanded Capacity Vehicle TOW/Armament Carrier HMMWV. Along with the TOW missile launcher, the M1167 provides for the ring-mounting and firing of various weapons systems with a 360 degree arc of fire. The M1167 is able to stow a minimum of six missiles mounted in the cargo area and is available with a Manual Traversing Unit and a TOW Gunners Protection Kit.

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 M1167 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 M1167 is air transportable and droppable, and can be sling-loaded by helicopter.

### PROTECTION

The M1167 provides superior armor ballistic protection for crew, missile stowage, secondary weapons mount for close range, and ammunition. The armor comes installed in two kits, "A" and "B", which when combined, provide gapless mine and ballistic protection. Additional fragmentation kits are all 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.

### Standard Armor:

- Underbody armor
- Rocker armor
- Lower windscreen deflector armor
- Perimeter armor
- Overhead armor
- Rear ballistic bulkhead

### Optional Frag Kits:

- Perimeter armor
- Overhead armor
- Rear ballistic bulkhead

Note: Aluminum roof/rear panel is required with B3 Kit.

### 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

<b>GVW</b>	13,100 lb. (5,942 kg)
<b>Payload</b>	1,850 lb. (839 kg)
<b>Curb Weight</b>	11,250 lb. (5,103 kg)
<b>Towed Load Allowance</b>	4,200 lb. (1,905 kg)
<b>Shipping Dimensions</b>	1,042 cubic ft. (29.51 cubic m) 123 sq ft. (11.43 sq m) 194 in. (4.93 m) Length 91 in. (2.31 m) Width 102 in. (2.60 m) Height
<b>Center of Gravity (at curb weight)</b>	37.1 in. (94.23 cm) Above Ground 68.1 in. (1.73 m) Rear of Centerline at Front Axle
<b>Track Width</b>	71.6 in (1.82 m)
<b>Wheelbase</b>	130 in. (3.30 m)
<b>Turning Radius</b>	25 ft. (7.62 m)
<b>Ground Clearance</b>	15.8 in. (40.13 cm)

<b>Angle of Approach</b>	52.8°
<b>Angle of Departure</b>	38.6°
<b>Ramp Breakover Angle</b>	25°
<b>Grade Capability (at GVW)</b>	40%
<b>Side Slope Capability (at GVW)</b>	30%
<b>Climb Capability (at GVW)</b>	12 in. (30.48 cm) Vertical Step
<b>Cargo Bed Height (at GVW)</b>	35.2 in. (89.41 cm)
<b>Engine</b>	General Engine Products (GEP) V8, 6.5L Turbocharged Diesel
<b>Horsepower</b>	@ 3,400 RPM: 190HP (142KW)
<b>Torque</b>	@ 1,700 RPM: 380 lb.-ft (515 N•m)
<b>Transmission</b>	General Transmission Products (GTP) 4-Speed Automatic
<b>Transfer Case</b>	2 Speeds Ratios: High - 1:1; Low - 2.72:1

<b>Differentials</b>	Front and Rear - Hypoid Ratios 3.08:1
<b>Frame</b>	Steel Box Section 5 Crossmembers
<b>Front Suspension</b>	Independent Double A-Frame; Coil Spring; Telescopic Shock Absorbers
<b>Rear Suspension</b>	Independent Double A-Frame; Coil Spring; Rate - Variable; Telescopic Shock Absorbers
<b>Geared Hub</b>	Ratios: 1.92:1
<b>Wheels</b>	Two-Piece Take Apart; 16.5 x 8.25 x 6.5 BC
<b>Tires</b>	Non-Directional Cross-Country Tread; 37 x 12.5R-16.5; Load Range: E

<b>Service Brakes</b>	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)
<b>Parking Brakes</b>	Dual Disc, Independent, Hand-Operated Lever
<b>Electrical System</b>	Dual Voltage 14V/28V
<b>Fuel Capacity</b>	25 gal. (95 L)
<b>Performance</b>	250 mile (402 km) Cruising Range
<b>Maximum Speed</b>	70 mph (113 kph)
<b>Deep Water Forging</b>	30 in. (0.76 m), 60 in. (1.52 m) w/ Kit
<b>Run Flat Capability</b>	30 miles @ 30 mph (48 km @ 48 kph)
<b>Transportability Modes</b>	Highway, Rail, Marine, and Air