

**M1100 SERIES HMMWV****M1167**

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.

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 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.



M1100 FAMILY OF VEHICLES



M1151



M1152



M1165



M1165 Special Ops

M1100 SERIES HMMWV

M1167

GVW

6,124 kg (13,500 lb.)

Payload

1,020 kg (2,250 lb.)

Curb Weight

5,103 kg (11,250 lb.)

Towed Load Allowance

1,905 kg (4,200 lb.)

Shipping Dimensions

29.51 cubic m (1,042 cubic ft.)

11.43 sq m (123 sq ft.)

4.93 m (194 in.) Length

2.31 m (91 in.) Width

2.60 m (102 in.) Height

Center of Gravity

(at curb weight)

94.23 cm (37.1 in.)

Above Ground

1.73 m (68.1 in.)

Rear of Centerline at Front Axle

Track Width

1.82 m (71.6 in.)

Wheelbase

3.30 m (130 in.)

Turning Radius

7.62 m (25 ft.)

Ground Clearance

40.13 cm (15.8 in.)

Angle of Approach

52.8°

Angle of Departure

38.6°

Ramp Breakover Angle

25°

Grade Capability (at GVW)

40%

Side Slope Capability (at GVW)

30%

Climb Capability (at GVW)

30.48 cm (12 in.) Vertical Step

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)

Cargo Bed Height (at GVW)

89.41 cm (35.2 in.)

Engine

General Engine Products (GEP)

V8, 6.5L Turbocharged Diesel

Horsepower

@ 3,400 RPM:

142KW (190HP)

Torque

@ 1,700 RPM:

515 N•m (380 lb.-ft)

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 - 74.2 cm² (11.5 sq in.)

(575.5 cm² (89.2 sq in.) Total)

Parking Brakes

Dual Disc, Independent,

Hand-Operated Lever

Electrical System

Dual Voltage 14V/28V

Fuel Capacity

95 L (25 gal.)

Performance

402 km (250 mile) Cruising Range

Maximum Speed

113 kph (70 mph)

Deep Water Fording

0.76 m (30 in.)

1.52 m (60 in.) w/ Kit

Run Flat Capability

48 km @ 48 kph

(30 miles @ 30 mph)

Transportability Modes

Highway, Rail,

Marine, and Air