

M1100 SERIES HMMWV

M1151



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.

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 M1151A1 provides superior protection for crew, weapons components, and ammunition. With the addition of the "B" kit, the M1151A1 provides 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



M1152



M1165 Special Ops



M1165



M1167

M1100 SERIES HMMWV

M1151

GVW

M1151: 12,100 lb. (5,488 kg)
M1151A1: 12,100 lb. (5,488 kg)
M1151A1 w/B1: 12,100 lb.
(5,488 kg)

Payload

M1151: 4,000 lb. (1,814 kg)
M1151A1: 3,950 lb. (1,792 kg)
M1151A1 w/B1: 1,800 lb.
(816 kg)

Curb Weight

M1151: 7,500 lb. (3,402 kg)
M1151A1: 8,150 lb. (3,697 kg)
M1151A1 w/B1: 10,300 lb.
(4,672 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°

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)

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: 190 HP (142 KW)

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 sq in. (74.2 cm²)
(89.2 sq in. (575.5 cm²) 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