

**M1100 SERIES HMMWV****M1165**

**PERFORMANCE** — The M1165 is an Expanded Capacity Command and Control/General Purpose HMMWV. It is a four-man vehicle which can be used for a variety of missions, from command and control to armed patrol, and is available with an optional Weapons Mount and Turret.

**PAYLOAD** — As an Expanded Capacity Vehicle, the M1165 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 M1165 payload varies by armor configuration and fragmentation kit, ranging from 1,565 kg (3,450 lb) to 3,071 kg (6,770 lb). The M1165 is air transportable and droppable, and can be sling-loaded by helicopter.

**PROTECTION** — The M1165 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 Special Operations



M1167

## M1100 SERIES HMMWV

# M1165

### GVW

M1165: 6,101 kg (13,450 lb.)  
M1165A1: 6,101 kg (13,450 lb.)  
M1165A1 w/B3: 6,101 kg (13,450 lb.)

### Payload

M1165: 3,071 kg (6,770 lb.) M1165A1:  
2,762 kg (6,090 lb.)  
M1165A1 w/B3: 1,565 kg (3,450 lb.)

### Curb Weight

M1165: 3,030 kg (6,680 lb.)  
M1165A1: 3,338 kg (7,360 lb.)  
M1165A1 w/B3: 4,536 kg (10,000 lb.)

### Towed Load Allowance

1,905 kg (4,200 lb.)

### Shipping Dimensions

21.66 cubic m (765 cubic ft.)  
11.33 sq m (122 sq ft.)  
4.93 m (194.0 in.) Length  
2.31 m (90.8 in.) Width  
1.91 m (75.0 in.) Height

### Center of Gravity

91.19 cm (35.9 in.)  
(at curb weight)  
Above Ground  
1.67 m (65.6 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

42.67 cm (16.8 in.)

### Angle of Approach

47.7°

### Angle of Departure

37.3°

### Ramp Breakover Angle

25°

### M1165A1 includes standard:

Underbody armor  
Rocker armor  
Lower windscreen deflector armor  
Energy absorbing seats

### M1165A1 w/B3: Plant or Field Installable B3 Kit includes:

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)

### Grade Capability (at GCW)

40%

### Side Slope Capability (at GCW)

30%

### Climb Capability (at GCW)

45.72 cm (18 in.)  
Vertical Step

### Cargo Bed Height (at GCW)

92.20 cm (36.3 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 cm<sup>2</sup> (11.5 sq in.)  
(575.5 cm<sup>2</sup> (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 Forging

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