

## M1100 SERIES HMMWV

# M1165A1



**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. It is also produced as a customized model for special operations.

**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 2,230 to 4,950 lb. The M1165 is air transportable and droppable, and can be sling-loaded by helicopter.

**PROTECTION** — The M1165A1 provides superior protection for crew, weapons components, and ammunition. With the addition of the "B" kit, the M1165A1 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



M1151



M1152



M1165 Special Operations



M1167

## M1100 SERIES HMMWV

# M1165A1

### GVW

M1165: 12,100 lb. (5,488 kg)  
M1165A1: 12,100 lb. (5,488 kg)  
M1165A1 w/B3: 12,100 lb. (5,488 kg)

### Payload

M1165: 4,950 lb. (2,245 kg)  
M1165A1: 4,870 lb. (2,209 kg)  
M1165A1 w/B3: 2,230 lb. (1,102 kg)

### Curb Weight

M1165: 6,550 lb. (2,971 kg)  
M1165A1: 7,230 lb. (3,279 kg)  
M1165A1 w/B3: 9,870 lb. (4,477 kg)

### M1165A1 SPECIFICATIONS

#### Towed Load Allowance

4,200 lb. (1,905 kg)

#### Shipping Dimensions

745 cubic ft. (21.10 cubic m)  
117 sq ft. (10.87 sq m)  
194.0 in. (4.93 m) Length  
87.0 in. (2.21 m) Width  
76.25 in. (1.94 m) Height

#### Center of Gravity

30.2 in. (76.71 cm)  
(at curb weight)  
Above Ground  
60.4 in. (1.53 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

18.2 in. (46.23 cm)

#### Angle of Approach

48.0°

#### Angle of Departure

40.0°

### 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)

### Ramp Breakover Angle

25°

### Grade Capability (at GCW)

40%

### Side Slope Capability (at GCW)

30%

### Climb Capability (at GCW)

18 in. (45.72 cm)  
Vertical Step

### Cargo Bed Height (at GCW)

38.5 in. (97.79 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 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