

M1165A1 SPECIAL OPS HMMWV



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OVERVIEW



PERFORMANCE

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.

Since the first HMMWV rolled off the line in 1985, the platform has undergone a multitude of design and configuration improvements. From a simple fastener to the turbocharged diesel engine, virtually every component has been enhanced or improved.

PAYLOAD

The M1165 is an Expanded-capacity vehicle (ECV) specifically engineered to withstand

the harsh environment of South West Asia under increased payloads without sacrificing mobility, dependability or performance. The M1165 payload varies by armor configuration and fragmentation kit, and ranges from 2,230 to 4,950 lb. The M1165 is air transportable and droppable, and can be sling-loaded by helicopter.

PROTECTION

The M1165 provides superior ballistic and fragmentation protection. The available armor comes in two kits, "A" and "B", which, when combined, provide gapless mine and ballistic protection. The additional armor and fragmentation kits are all field installable/removable.

SPECIAL OPS OPTIONS

- Low profile weapons mount
- 3-bay ammo can holder
- A-frame spare tire carrier with 7,000 lb. jack
- Running boards with handholds
- Rear gun mounts with pintle (up to 4)
- Rear equipment shelf with stowage box
- Cargo rear side boards
- Side door gun mounts (up to 3)
- 4-bay ammo can holder (on top A/C evaporator)
- 3-bay ammo can holder (rear cargo LH)
- 2-bay ammo can holder (rear cargo RH)
- 7-water can area with tie down
- Hood mounted Pioneer tool kit

SPECIFICATIONS

GVW	M1165: 11,500 lb. (5,216 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)
	M1165A1w/B3: 9,870 lb. (4,477 kg)

M1165A1 SPECIAL OPS SPECIFICATIONS

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
Center of Gravity (at curb weight)	76.25 in. (1.94 m) Height
	30.2 in. (76.71 cm) 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°
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 in. (89.2 in. 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 Forging	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