

M1100 SERIES HMMWV

M997A3



The M997 is an ambulance configuration of the HMMWV family. Equipped with basic armor, they reliably transport casualties from the battlefield to medical aid stations.

As a rugged, dependable combat ambulance, the M997A3 is equipped with basic armor protection for crew and patients. The M997 series of ambulances are capable of transporting up to four litter patients, eight ambulatory patients, or a combination of litter and ambulatory patients. Additionally, medical personnel, equipment, and a driver can be accommodated in the vehicle.

The ambulance can be heated, ventilated, or air conditioned, depending on environmental conditions. For operation in an NBC environment, the M997A3 can be equipped with a Gas-Particulate Filter Unit (GPFU) with heaters capable of supporting up to seven personnel equipped with either M25 series protective masks or M13 series patient-protective masks. The GPFU sends temperature-controlled, filtered air to individual face masks, increasing protection, making breathing easier, and reducing stress and heat fatigue during extended periods of NBC operation.



M1100 SERIES HMMWV

M997A3

M1100 FAMILY OF VEHICLES



M1152



M1165 Special Ops



M1165



M1167

GVW
12,100 lb. (5,488.46 kg)

Payload
3,010 lb. (1,460.13 kg)

Curb Weight
9,090 lb. (4,123.15 kg)

Towed Load Allowance
4,200 lb. (1,905 kg)

Shipping Dimensions
1072 cubic ft. (30.35 cubic m)

125 sq ft. (11.61 sq m)
207.0 in. (5.25 m) Length
87.0 in. (2.21 m) Width
103.0 in. (2.62 m) Height

Center of Gravity
41.5 in. (105.41 cm)
(at curb weight)
Above Ground
82.2 in. (208.8 cm)
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
17.4 in (44.20 cm)

Angle of Approach
48°

Angle of Departure
39°

Ramp Breakover Angle
25°

Grade Capability (at GCW)
40%

Side Slope Capability (at GCW)
30%

Cargo Bed Height (at GCW)
36.8 in. (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 Hubs
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 & Rear
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)

Run Flat Capability
30 miles @ 30 mph
(48 km @ 48 kph)

Transportability Modes
Highway, Rail, Marine, and Air



**FOR MORE INFORMATION,
PLEASE CONTACT US:**

(703) 236-2026

www.amgeneral.com

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