

M1100 SERIES HMMWV

M997A3 Ambulance



Patient transport: Up to 4 Litter Patients or 8 Ambulatory Patients (or a Combination of Both)

Additional Capacity: Medical Personnel, Medical Equipment and a Driver

Heating, Ventilation, and Air Conditioning (HVAC) Systems for All Environmental Conditions

Payload: Up to 3,010 lb.

Options: Gas-Particulate Filter Unit for Nuclear, Biological, or Chemical Environments; Supports up to 7 Personnel Equipped with M25-Series or M13-Series Protective Masks



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M997A3 Ambulance

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)

206.7 in. (5.25 m) Length

87.0 in. (2.21 m) Width

103.0 in. (2.62 m) Height

Center of Gravity

38.8 in. (98.552 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

18 in (45.72 cm)

Angle of Approach

48°

Angle of Departure

39°

Ramp Breakover Angle

25°

Grade Capability

60%

Side Slope Capability (at GCW)

40%

Climbing Capabilities

12 in. (30.48 cm) Vertical Step

Cargo Bed Height (at GCW)

36.8 in. (93.47 cm)

Engine

General Engine Products (GEP)

V8, 6.5L Turbocharged

Diesel

Horsepower

@ 3,400 RPM:

190 (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



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