

HEMTT

HEAVY EXPANDED MOBILITY TACTICAL TRUCK
M977 A2 SERIES TRUCK



OSHKOSH

GET EQUIPMENT INTO PLACES NO ORDINARY TRUCK COULD EVER GO.

Give your forces trucks that can thunder over anything fate dishes out. Oshkosh Defense builds some of the toughest, most reliable, most technically advanced trucks in the world. And the U.S. Army M977 A2 HEMTTs are no exception. Built to answer the call on the most challenging military missions, the M977 A2 series vehicles are strong enough to pull a variety of supplies and equipment across any terrain on the planet.

The U.S. Army M977 A2 series truck has been developed by Oshkosh Defense for cross-country military missions carrying payloads up to 13 tons (11793 kg). Built with field proven components and a high degree of parts commonality, all models include a 445-horsepower diesel engine, 5-speed automatic transmission and a 2-speed Oshkosh® transfer case with air-operated front tandem axle disconnect. The front and rear tandem axles are single reduction, with driver controlled inter-axle differential locks.

These trucks were built to stand up to the challenges of the field. With gross vehicle weight ratings (GVWR) that range from 62,000 lbs. (28123 kg) to 95,000 lbs. (43091 kg), the M977 A2 HEMTTs have the power and agility to climb a 60-percent grade with a full payload of 13 tons (11793 kg) and even ford water crossings up to 48 in. (1219 mm) deep. These trucks deliver a cruising range of 400 miles (644 km) with a top speed of 62 mph (100 kph).

The full line-up of M977 A2 models, five cargo trucks, a fuel servicing truck, two tractors, a load handling system variant, a common bridge transporter variant and a recovery vehicle with cranes and winches, are C130 air transportable. All trucks are equipped with standard military features, such as front and rear tow eyes, blackout lights, 24-volt electrical systems and rear pintle hooks for towing trailers and artillery.

With multiple capabilities, these trucks are critical to mission success. The M977 A2 vehicles are used for direct re-arming of the Multiple Launch Rocket System; transport of Patriot erectors/launchers; resupply of field artillery ammunition and forward area re-arm in armor, cavalry and infantry units; refueling of tracked vehicles, wheeled vehicles and helicopters in forward areas; and recovery of disabled wheeled and tracked vehicles.

For use as a resupply vehicle, it is equipped with a 47,500 ft. lb. (6.6 Mg m) or 89,100 ft. lb. (12.3 Mg m) capacity material handling crane. The recovery vehicle is equipped with a 141,960 ft. lb. (19.6 Mg m) crane and mid-ship mounted 60,000 lbs. (27216 kg) recovery winch. When operating in wrecker mode, its retrieval system lift capacity is 25,000 lbs. (11340 kg). A mid-ship mounted self-recovery winch is available on all models. The Load Handling System (LHS) and Common Bridge Transporter (CBT) variants are both equipped with an Oshkosh Multilift load handling system.

**ENSURE MISSION SUCCESS FOR YOUR FORCES WITH THE
HEMTT M977 A2 FROM OSHKOSH DEFENSE.**



Specifications, descriptions and illustrations in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.





M977 A2 CARGO TRUCK

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 38,800 lbs. (17600 kg)

Gross Vehicle Weight Rating (GVWR): 62,000 lbs. (28123 kg)

Gross Combined Weight Rating (GCWR): 100,000 lbs.
(45360 kg)

Length: 400.5 in. (10173 mm)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (2007 mm)

Wheelbase: 210 in. (5334 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh

Rear - Dana

Suspension: Hendrickson w/equalizing beam

Electrical System: 24-volt start • 24-volt lighting with
master electric disconnect

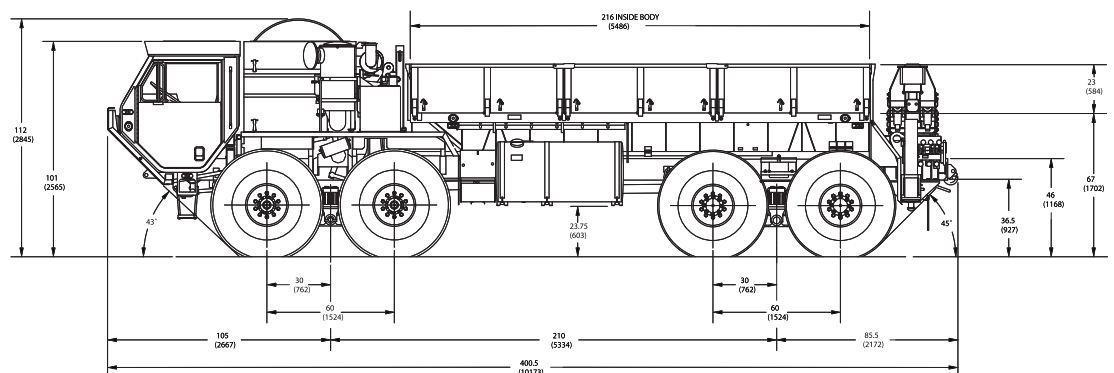
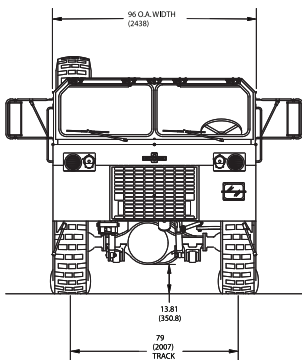
Brakes: Drum type • air actuated S-Cam

Steering: Power assist • front tandem

Lighting: LED lights on all sides • LED black-out drive light

Winch, Self Recovery: 20,000 lbs. (9072 kg) optional

Crane: Grove 2,500 lbs. (1134 kg) @ 19 ft. (5.79 m)





M977 A2 EPP ELECTRICAL POWER PLANT

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 38,000 lbs. (17237 kg)

Gross Vehicle Weight Rating (GVWR): 62,000 lbs. (28123 kg)

Gross Combined Weight Rating (GCWR): 100,000 lbs.
(45360 kg)

Length: 400.5 in. (10173 mm)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (2007 mm)

Wheelbase: 210 in. (5334 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh

Rear - Dana

Suspension: Hendrickson w/equalizing beam

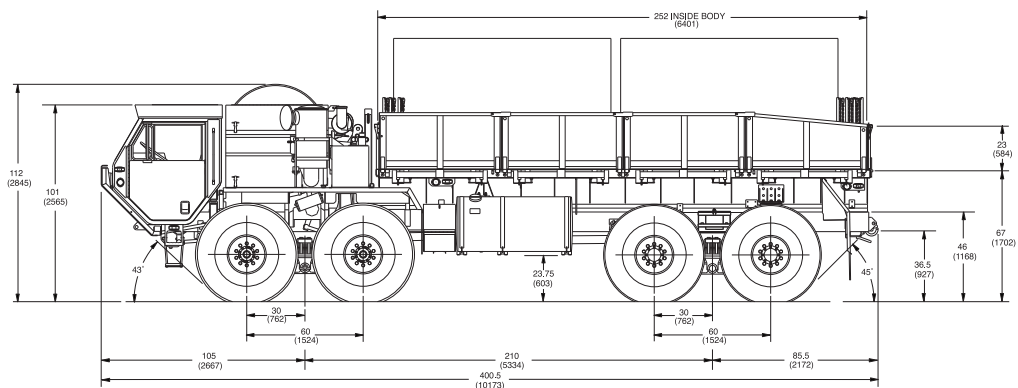
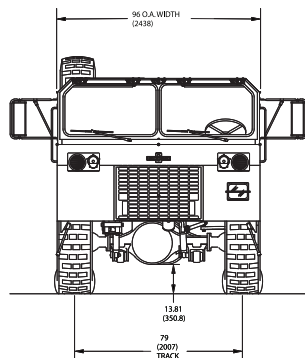
Electrical System: 24-volt start • 24-volt lighting with
master electric disconnect

Brakes: Drum type • air actuated S-Cam

Steering: Power assist • front tandem

Lighting: LED lights on all sides • LED black-out drive light

Winch, Self-Recovery: 20,000 lbs. (9072 kg) optional

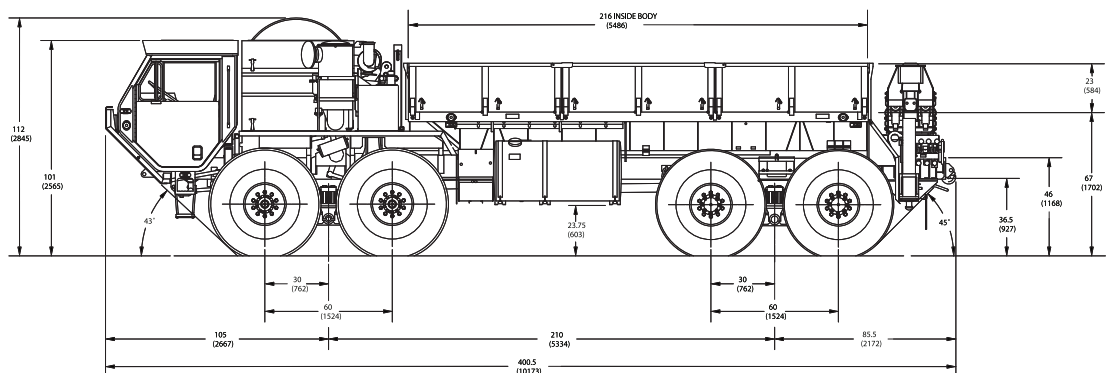
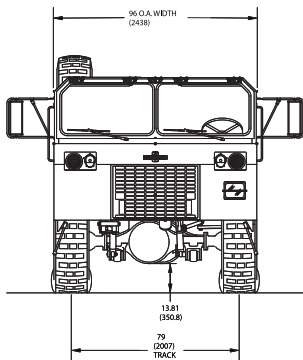




M977 A2 LRPT LARGE REPAIRS PARTS TRANSPORTER

Cab Seating: 2-person • air-ride seats • 4-point safety belts
Axle Configuration: 8x8
Curb Weight: 38,800 lbs. (17600 kg)
Gross Vehicle Weight Rating (GVWR): 62,000 lbs. (28123 kg)
Gross Combined Weight Rating (GCWR): 100,000 lbs. (45360 kg)
Length: 400.5 in. (10173 mm)
Width: 96 in. (2438 mm)
Height (over spare tire): 112 in. (2845 mm)
Track: 79 in. (2007 mm)
Wheelbase: 210 in. (5334 mm)
Maximum Speed: 62 mph (100 kph)
Tires: 16.00 R20 XZL Michelin tubeless
Number of Tires: 8 + 1 spare
Fuel Capacity: 155 gal. (587 liter)
Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)
Air Transportability: C130 • C141
Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4
Transmission: Allison 4500SP/5-speed automatic
Transfer Case: Oshkosh 55,000/2-speed
Axles:
 Front - Oshkosh
 Rear - Dana
Suspension: Hendrickson w/equalizing beam
Electrical System: 24-volt start • 24-volt lighting with master electric disconnect
Brakes: Drum type • air actuated S-Cam
Steering: Power assist • front tandem
Lighting: LED lights on all sides • LED black-out drive light
Winch, Self-Recovery: 20,000 lbs. (9072 kg) optional
Crane: Grove 2,500 lbs. (1134 kg) @ 19 ft. (5.79 m)

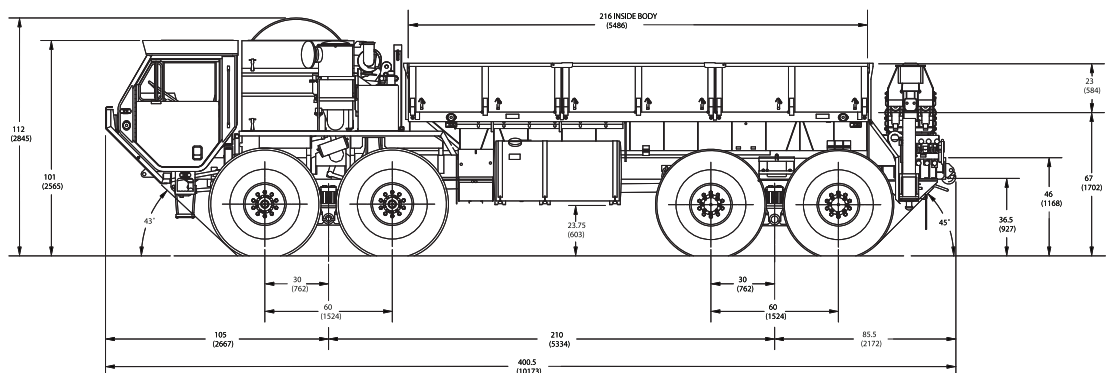
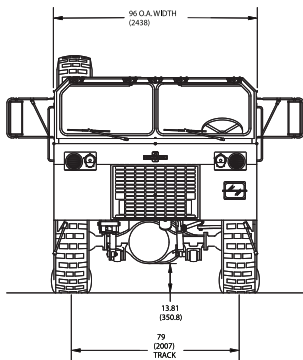




M977 A2 LRPT LARGE REPAIRS PARTS TRANSPORTER

Cab Seating: 2-person • air-ride seats • 4-point safety belts
Axle Configuration: 8x8
Curb Weight: 38,800 lbs. (17600 kg)
Gross Vehicle Weight Rating (GVWR): 62,000 lbs. (28123 kg)
Gross Combined Weight Rating (GCWR): 100,000 lbs. (45360 kg)
Length: 400.5 in. (10173 mm)
Width: 96 in. (2438 mm)
Height (over spare tire): 112 in. (2845 mm)
Track: 79 in. (2007 mm)
Wheelbase: 210 in. (5334 mm)
Maximum Speed: 62 mph (100 kph)
Tires: 16.00 R20 XZL Michelin tubeless
Number of Tires: 8 + 1 spare
Fuel Capacity: 155 gal. (587 liter)
Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)
Air Transportability: C130 • C141
Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4
Transmission: Allison 4500SP/5-speed automatic
Transfer Case: Oshkosh 55,000/2-speed
Axles:
 Front - Oshkosh
 Rear - Dana
Suspension: Hendrickson w/equalizing beam
Electrical System: 24-volt start • 24-volt lighting with master electric disconnect
Brakes: Drum type • air actuated S-Cam
Steering: Power assist • front tandem
Lighting: LED lights on all sides • LED black-out drive light
Winch, Self-Recovery: 20,000 lbs. (9072 kg) optional
Crane: Grove 2,500 lbs. (1134 kg) @ 19 ft. (5.79 m)





M983 A2 LET LIGHT EQUIPMENT TRANSPORTER

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 34,500 lbs. (15649 kg)

Gross Combined Weight Rating (GCWR): 135,000 lbs.
(61290 kg)

Length: 350.5 in. (8903 mm)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (2007 mm)

Wheelbase: 181 in. (4597 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare (standard)

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh

Rear - Dana

Suspension: Hendrickson w/equalizing beam

Electrical System: 24-volt start • 24-volt lighting with
master electric disconnect

Brakes: Drum type • air actuated S-Cam

Steering: Power assist • front tandem

Lighting: LED lights on all sides • LED black-out drive light

Winch Retrieval System: 45,000 lbs. (20412 kg)

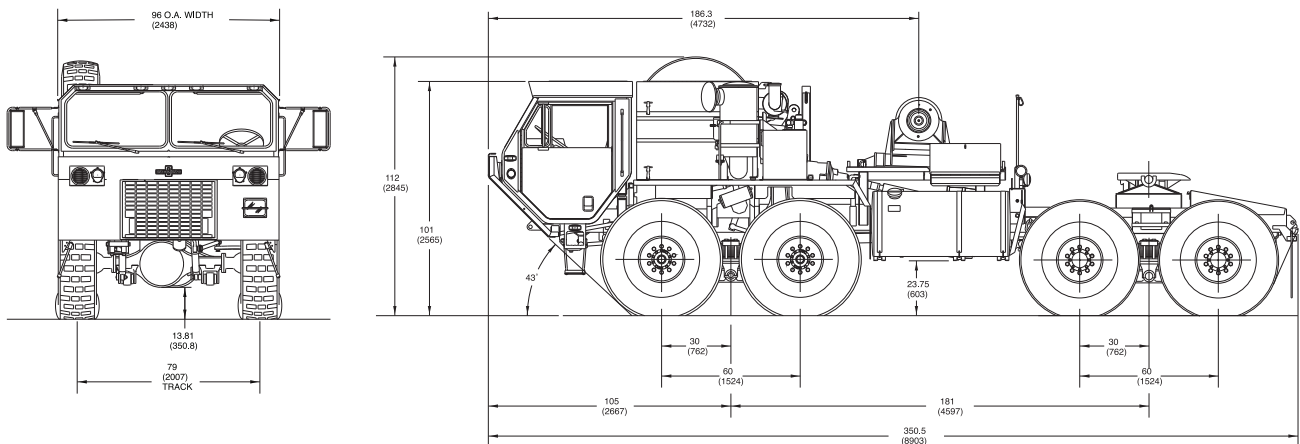
Winch Cable: 7/8 in. @ 150 ft. length

Fifth Wheel:

Vertical Loading - 40,000 lbs. (18144 kg)

Fully oscillating

3.5 in. (89 mm) King pin





M983 A2 PATRIOT TRACTOR

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 32,150 lbs. (14580 kg)

Gross Combined Weight Rating (GCWR): 100,000 lbs.
(45360 kg)

Length: 350.5 in. (8903 mm)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (2007 mm)

Wheelbase: 181 in. (4597 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare (standard)

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axes:

Front - Oshkosh

Rear - Dana

Suspension: Hendrickson w/equalizing beam

Electrical System: 24-volt start • 24-volt lighting with
master electric disconnect

Brakes: Drum type • air actuated S-Cam

Steering: Power assist • front tandem

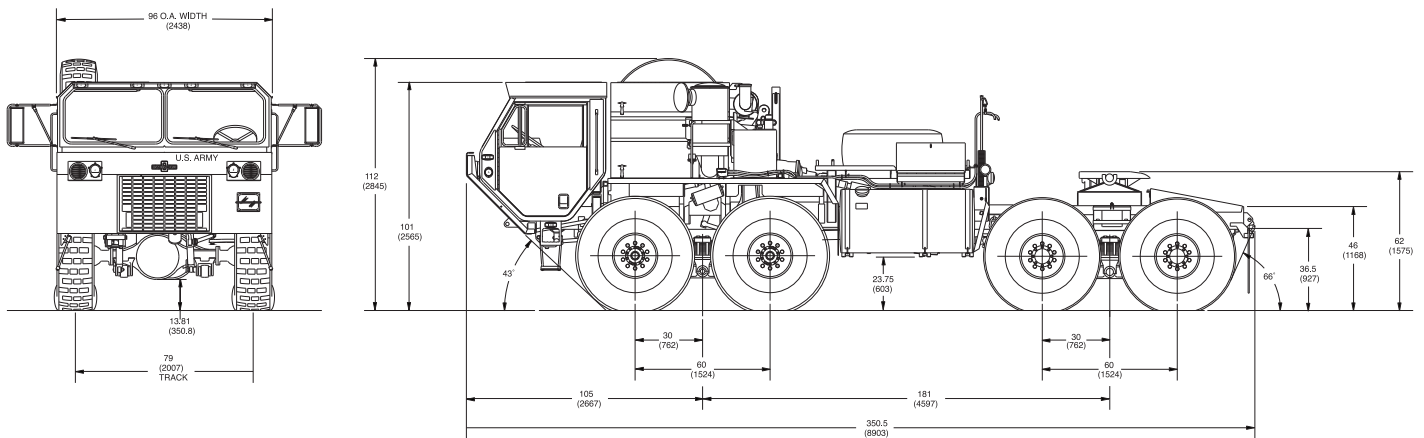
Lighting: LED lights on all sides • LED black-out drive light

Fifth Wheel:

Vertical Loading - 21,000 lbs. (9534 kg)

Fully oscillating

3.5 in. (89 mm) King pin





M984 A2 RECOVERY TRUCK (WRECKER)

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 50,900 lbs. (23100 kg)

Gross Vehicle Weight Rating (GVWR): 95,000 lbs. (43091 kg)

Gross Combined Weight Rating (GCWR): 155,000 lbs.
(73308 kg)

Length: 392 in. (9957 mm)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (1977 mm)

Wheelbase: 191 in. (4850 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh

Rear - Dana

Suspension: Hendrickson w/equalizing beam

Electrical System: 24-volt start • 24-volt lighting with
master electric disconnect

Brakes: Drum type • air actuated S-Cam

Steering: Power assist • front tandem

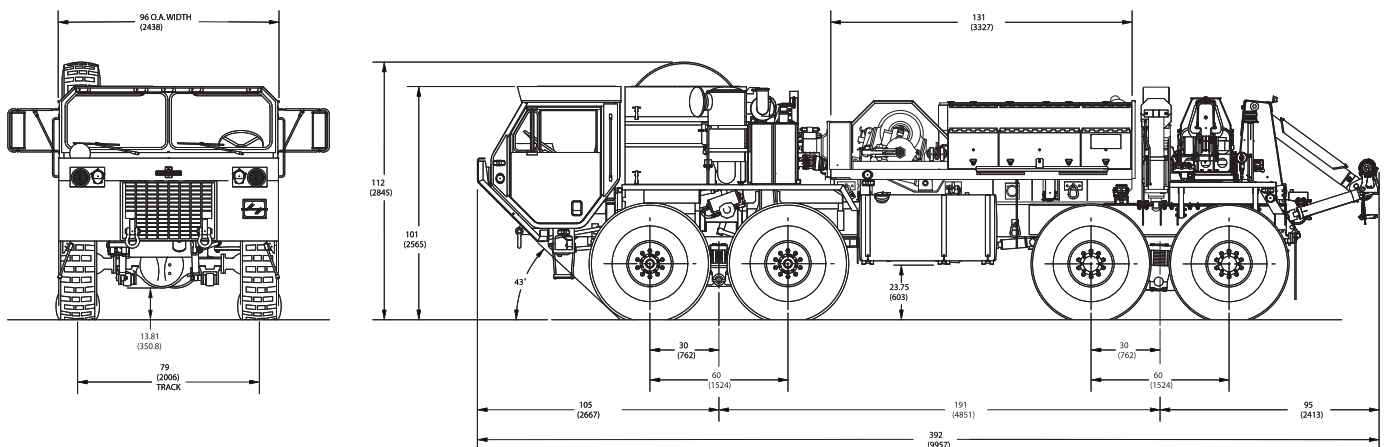
Lighting: LED lights on all sides • LED black-out drive light

Winch, Self-Recovery: 20,000 lbs. (9072 kg)

Winch, Recovery: 60,000 lbs. (27240 kg)

Retrieval System: 25,000 lbs. (11340 kg) lift capacities

Crane: Grove 14,000 lbs. (6350 kg) @ 9 ft. (2.74 m)





M985 A2 CARGO TRUCK

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 39,650 lbs. (30844 kg)

Gross Vehicle Weight Rating (GVWR): 68,000 lbs. (30844 kg)

Gross Combined Weight Rating (GCWR): 100,000 lbs.
(45360 kg)

Length: 400.5 in. (10173 mm)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (2007 mm)

Wheelbase: 210 in. (5334 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh

Rear - Dana

Suspension: Hendrickson w/equalizing beam

Electrical System: 24-volt start • 24-volt lighting with
master electric disconnect

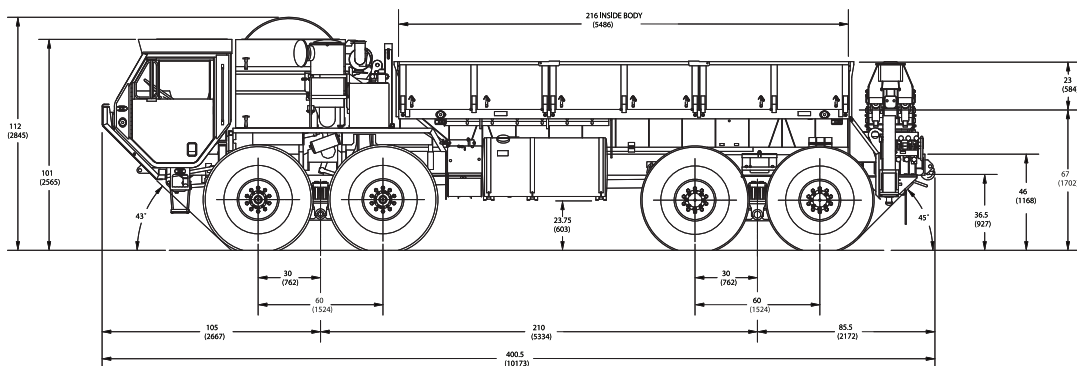
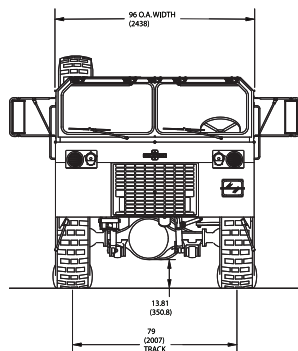
Brakes: Drum type • air actuated S-Cam

Steering: Power assist • front tandem

Lighting: LED lights on all sides • LED black-out drive light

Winch, Self-Recovery: 20,000 lbs. (9072 kg) optional

Crane: Grove 5,400 lbs. (2499 kg) @ 16.5 ft. (5.03 m)





M985 A2 GMT GUIDED MISSILE TRANSPORTER

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 42,900 lbs. (19500 kg)

Gross Vehicle Weight Rating (GVWR): 68,000 lbs. (28123 kg)

Gross Combined Weight Rating (GCWR): 100,000 lbs.
(45360 kg)

Length: 427 in. (10846 mm)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (2007 mm)

Wheelbase: 210 in. (5334 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh

Rear - Dana

Suspension: Hendrickson w/equalizing beam

Electrical System: 24-volt start • 24-volt lighting with
master electric disconnect

Brakes: Drum type • air actuated S-Cam

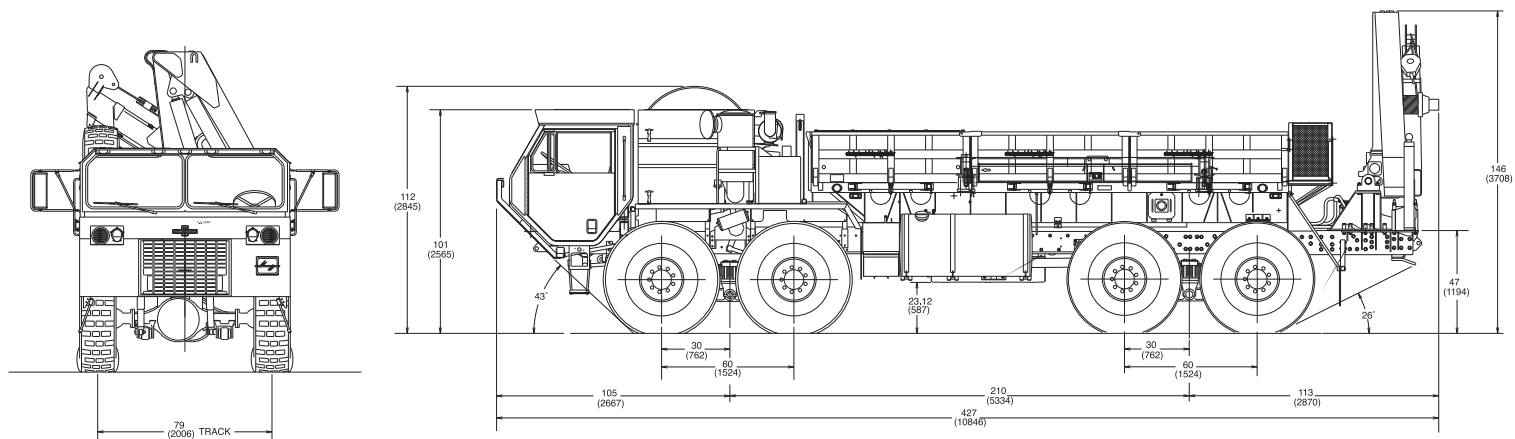
Steering: Power assist • front tandem

Lighting: LED lights on all sides • LED black-out drive light

Winch, Self-Recovery: 20,000 lbs. (9072 kg) optional

Crane: HIAB 8108/2 5,400 lbs. (2449.4 kg) @ 16.5 ft.

4,500 lbs. (2041 kg) @ 20 ft.





M1120 A2 LHS LOAD HANDLING SYSTEM

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 36,250 lbs. (16470 kg)

Gross Vehicle Weight Rating (GVWR): 66,000 lbs.

Gross Combined Weight Rating (GCWR): 103,000 lbs.
(46762 kg)

Length: 393.2 in. (9987 mm)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (2007 mm)

Wheelbase: 210 in. (5334 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh

Rear - Dana

Suspension:

Front - Hendrickson w/equalizing beam

Rear - Hendrickson w/36,000 lb. spring &
equalizing beam

Electrical System: 24-volt start • 24-volt lighting with
master electric disconnect

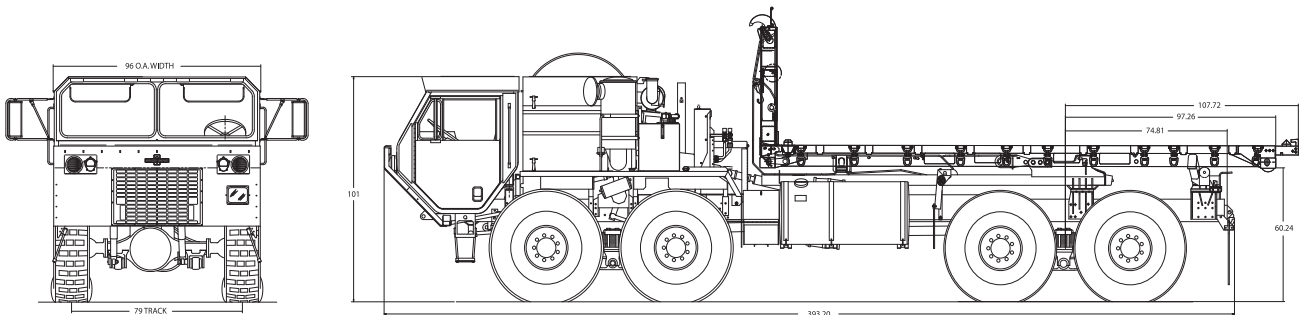
Brakes: Drum type • air actuated S-Cam

Steering: Power assist • front tandem

Lighting: LED lights on all sides • LED black-out drive light

Winch, Self-Recovery: 20,000 lbs. (9072 kg) optional

Load Handling System: OTC/Multilift • 26,000 lbs. incl. FR.





M1977 A2 CBT COMMON BRIDGE TRANSPORTER

Cab Seating: 2-person • air-ride seats • 4-point safety belts

Axle Configuration: 8x8

Curb Weight: 36,500 lbs. (16560 kg)

Gross Vehicle Weight Rating (GVWR): 66,000 lbs.

Gross Combined Weight Rating (GCWR): 100,000 lbs.
(45360 kg)

Width: 96 in. (2438 mm)

Height (over spare tire): 112 in. (2845 mm)

Track: 79 in. (2007 mm)

Wheelbase: 210 in. (5334 mm)

Maximum Speed: 62 mph (100 kph)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 8 + 1 spare

Fuel Capacity: 155 gal. (587 liter)

Cruising Range (GCW): 400 mi. (644 km) cross-country avg.

Fording: 48 in. (1219 mm)

Air Transportability: C130 • C141

Engine: MTU Detroit Diesel/445 hp 12.1 liter DDEC4

Transmission: Allison 4500SP/5-speed automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh

Rear - Dana

Suspension:

Front - Hendrickson w/equalizing beam

Rear - Hendrickson w/36,000 lb. spring & equalizing beam

Electrical System: 24-volt start • 24-volt lighting with master electric disconnect

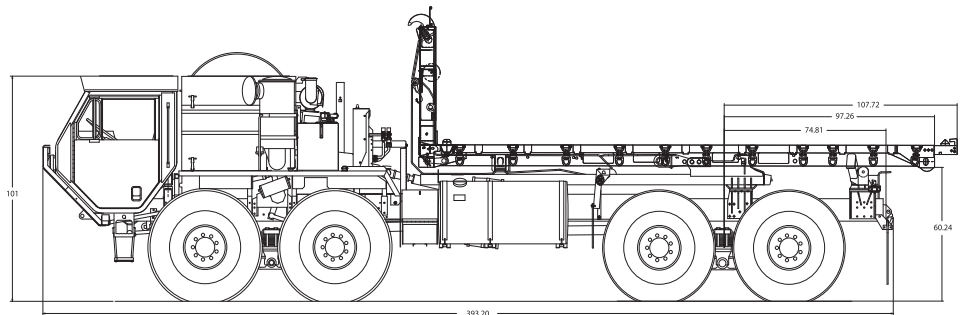
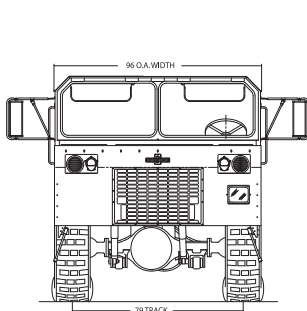
Brakes: Drum type • air actuated S-Cam

Steering: Power assist • front tandem

Lighting: LED lights on all sides • LED black-out drive light

Winch, Self-Recovery: 20,000 lbs. (9072 kg) optional

Load Handling System: OTC/Multilift • 24,000 lbs. incl. FR.







www.oshkoshdefense.com

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