

MTVR

MEDIUM TACTICAL VEHICLE REPLACEMENT



OSHKOSH TRUCK CORPORATION

VICTORY IS DEPENDENT ON SUPPLYING TROOPS IN THE FIELD

A revolution in off-road mobility, the Medium Tactical Vehicle Replacement (MTVR) redefines performance possibilities for all military vehicles into the future. With the Oshkosh® TAK-4® Independent Suspension System, Anti-Lock Brakes and Automatic-Traction Control, the MTVR achieves levels of performance never before realized in a tactical wheeled vehicle. The MTVR is able to traverse terrain previously regarded as impassable by military trucks.

The same high-quality proven standards of performance and reliability found in other Oshkosh products are reflected in the MTVR. The MTVR operates in climatic extremes from -50°F to 125°F (-45°C to 52°C) while carrying a 7.1-ton payload cross-country or up to 15 tons on primary or secondary roads. This extraordinary truck is capable of traversing a 60% gradient and a 30% side slope with its maximum cross-country load, fording five feet of water, traveling at 65 mph (105 km/h) on primary or secondary roads, and it has an on-road cruising range of 300 miles (483 kilometers).

The addition of an all-aluminum cab and a strict anti-corrosion program during production enable the MTVR to continue to perform long after other current tactical vehicles have been sent to the salvage yard.

The pace of modern battle is accelerating rapidly, but even a modern fighting force can move only as fast as its supplies and equipment. The MTVR allows you to dictate where and when the battle will lie.

**TRUST THE MTVR TO GET
YOUR FORCES AND SUPPLIES
INTO PLACES NO ORDINARY MILITARY
TRUCK COULD EVER GO.**



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.



4X4 SHORT BED CARGO TRUCK

Cab Seating: 3-person • suspension driver seat and bench style passenger • 3-point seat belts with retractors

Axle Configuration: 4x4

Curb Weight (VCW): 23,580 lbs. (10696 kg)

Gross Vehicle Weight Rating (GVWR): 29,580 lbs. (13417 kg)
plus armor

Length: 266.7 in. (6774 mm)

Width: 98 in. (2489 mm)

Height: 140 in. (3556 mm)

Reducible to 98 in. (2489 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 163.7 in. (4158 mm)

Maximum Speed: 65 mph (105 km/h)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 4

Central Tire Inflation System (CTIS)

Fuel Capacity: 78 gal. (303 liters)

Cruising Range: 300 mi. (483 km)

Fording: 60 in. (1524 mm) without kits

Transportability: C5, C17, C141, C130 (with preparation),
CH53 Helicopter at VCW

Engine: Caterpillar® C-12 electronic control, ADAM™ III/425 hp (317 kW)

Transmission: Allison® 4700SP/7-speed automatic

Transfer Case: Oshkosh® 30000 Series/single speed

Axles: Oshkosh® MTRV Axle

Suspension: Oshkosh® TAK-4® Independent Suspension

Electrical System: 24V with 12V/10 amp accessory in cab

Brakes: Anti-Lock Brakes (ABS) and Automatic-Traction Control (ATC) Service brakes are drum with internal shoe • dual system air operated

Steering: R.H. Shepard® integral power steering with booster and separate fluid reservoir

Lighting: Black-out lights, front and rear identification, clearance and turn signals, stop and tail lights on rear, four-way flashing front and rear

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

Kits:

Arctic engine kit

Cargo personnel arctic kit

Machine gun mounting kit

Chemical alarm mounting kit

Decontamination apparatus mounting kit

Towbar

Air conditioning

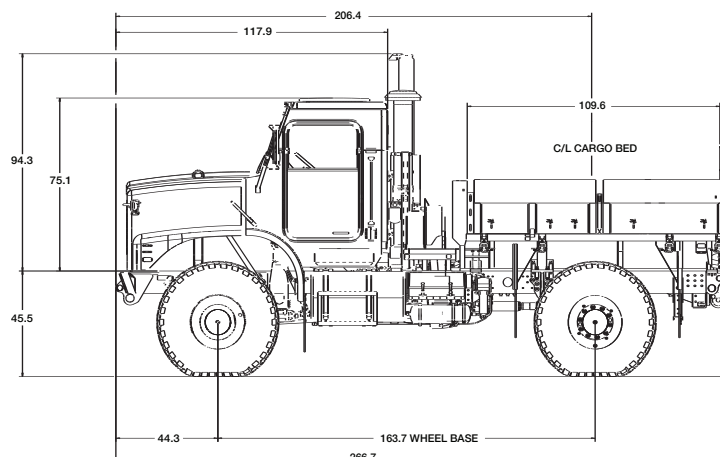
Jounce limiting

Tire chain

Sliding rear window

Armor

Cargo Bed: 10' body with ISO-Locks • bulk cargo tie downs
• troop seats and cover





<https://truck>

MK23 AND MK25 STANDARD CARGO TRUCK

Cab Seating: 3-person • suspension driver seat and bench style passenger • 3-point seat belts with retractors

Axle Configuration: 6x6

Curb Weight (VCW):

MK23 — 27,800 lbs. (12610 kg)

MK25 with winch — 28,690 lbs. (13013 kg)

Gross Vehicle Weight Rating (GVWR):

MK23 — 57,800 lbs. (26218 kg)

MK25 with winch — 58,690 lbs. (26621 kg)

Length: 314.9 in. (8023 mm)

Width: 98 in. (2489 mm)

Height: 140 in. (3556 mm)

Reducible to 98 in. (2489 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 184 in. (4673 mm)

Maximum Speed: 65 mph (105 km/h)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 6 + limp home capability in case of flat tire where CTIS cannot maintain pressure

Central Tire Inflation System (CTIS)

Fuel Capacity: 78 gal. (303 liters)

Cruising Range: 300 mi. (483 km)

Fording: 60 in. (1524 mm) without kits

Transportability: C5, C17, C141, C130 (with preparation),

CH53 Helicopter at VCW (MK23 only)

Engine: Caterpillar® C-12 electronic control, ADAM™ III/425 hp (317 kW)

Transmission: Allison® 4700SP/7-speed automatic

Transfer Case: Oshkosh® 30000 Series/single speed

Axles: Oshkosh® MTRV Axle

Suspension: Oshkosh® TAK-4® Independent Suspension

Electrical System: 24V with 12V/10 amp accessory in cab

Brakes: Anti-Lock Brakes (ABS) and Automatic-Traction Control (ATC) Service brakes are drum with internal shoe • dual system air operated

Steering: R.H. Shepard® integral power steering with booster and separate fluid reservoir

Lighting: Black-out lights, front and rear identification, clearance and turn signals, stop and tail lights on rear, four-way flashing front and rear

Winch, Self-Recovery: 20,000 lbs. (9072 kg) on MK25 only

Kits:

Arctic engine kit

Cargo personnel arctic kit

Machine gun mounting kit

Chemical alarm mounting kit

Decontamination apparatus mounting kit

S-280 shelter tiedown kit

S-280 shelter platform kit

Towbar

Air conditioning

Jounce limiting

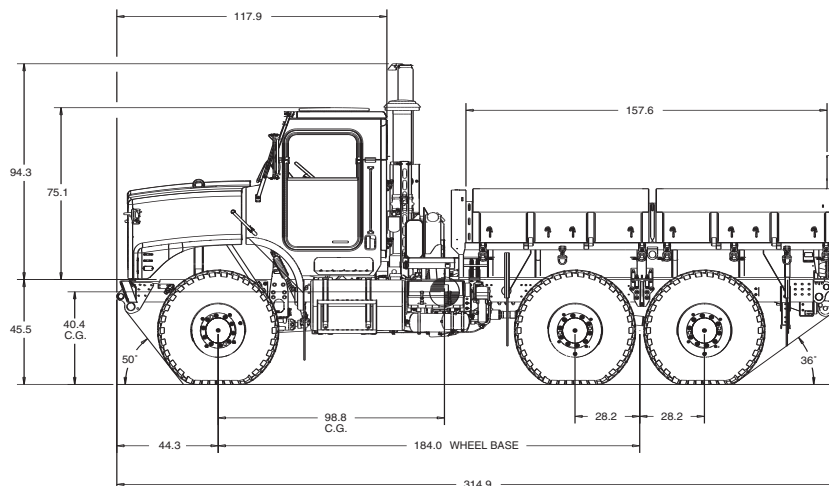
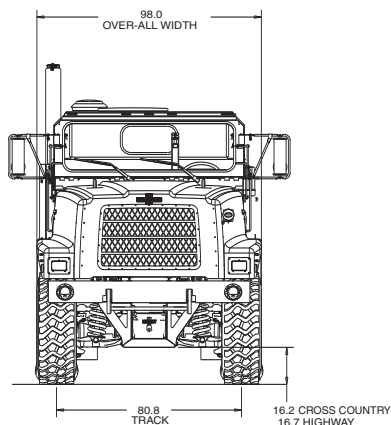
Tire chain

Sliding rear window

Armor

Cargo Bed: 14' body with ISO-Locks • bulk cargo tie downs

• troop seats and cover





MK27 AND MK28 EXTENDED CARGO TRUCK

Cab Seating: 3-person • suspension driver seat and bench style passenger • 3-point seat belts with retractors

Axle Configuration: 6x6

Curb Weight (VCW):

MK27 — 30,178 lbs. (13688 kg)

MK28 with winch — 31,069 lbs. (14093 kg)

Gross Vehicle Weight Rating (GVWR):

MK27 — 60,178 lbs. (27296 kg)

MK28 with winch — 61,069 lbs. (27700 kg)

Length: 387 in. (9829 mm)

Width: 98 in. (2489 mm)

Height: 140 in. (3556 mm)

Reducible to 98 in. (2489 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 216 in. (5486 mm)

Maximum Speed: 65 mph (105 km/h)

Tires: 16.00 R20 XZL Michelin tubeless

Number of Tires: 6 + limp home capability in case of flat tire where CTIS cannot maintain pressure

Central Tire Inflation System (CTIS)

Fuel Capacity: 78 gal. (303 liters)

Cruising Range: 300 mi. (483 km)

Fording: 60 in. (1524 mm) without kits

Transportability: C5, C17, C141, C130 (with preparation)

Engine: Caterpillar® C-12 electronic control, ADAM™ III/425 hp (317 kW)

Transmission: Allison® 4700SP/7-speed automatic

Transfer Case: Oshkosh® 30000 Series/single speed

Axles: Oshkosh® MTRV Axle

Suspension: Oshkosh® TAK-4® Independent Suspension

Electrical System: 24V with 12V/10 amp accessory in cab

Brakes: Anti-Lock Brakes (ABS) and Automatic-Traction Control (ATC) Service brakes are drum with internal shoe • dual system air operated

Steering: R.H. Shepard® integral power steering with booster and separate fluid reservoir

Lighting: Black-out lights, front and rear identification, clearance and turn signals, stop and tail lights on rear, four-way flashing front and rear

Winch, Self-Recovery: 20,000 lbs. (9072 kg) on MK28 only

Kits:

Arctic engine kit

Cargo personnel arctic kit

Machine gun mounting kit

Chemical alarm mounting kit

Decontamination apparatus mounting kit

Towbar

Air conditioning

Jounce limiting

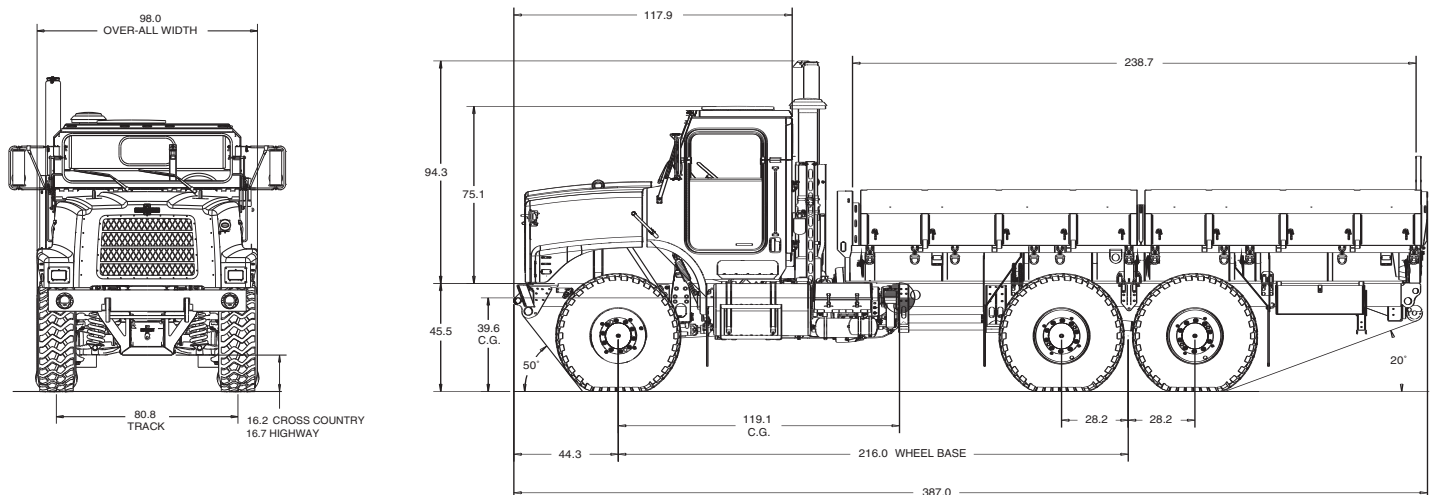
Tire chain

Sliding rear window

Armor

Cargo Bed: 20' body with ISO-Locks • bulk cargo tie downs

• troop seats and cover





MK29 AND MK30 DUMP TRUCK

Cab Seating: 3-person

Axle Configuration: 6x6

Curb Weight (VCW): 30,000 lbs. (13608 kg)

Gross Vehicle Weight Rating (GVWR): 58,000 lbs. (26308 kg)

Gross Combined Weight Rating (GCWR): 80,000 lbs. (36287 kg)

Length: 317.0 in. (8052 mm)

Width: 98 in. (2489 mm)

Height: 140 in. (3556 mm)

Reducible to 98 in. (2489 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 184.0 in. (4674 mm)

Maximum Speed: GVW Road 65 mph (105 km/h)

Tires: 16.00R20 XZL

Number of Tires: 6

Central Tire Inflation: Dana electronic controlled system with terrain and payload settings

Fuel Capacity: 78 gal. (295 liters)

Cruising Range: 300 mi. (458 km)

Fording: 60 in. (1524 mm) without kits

Transportability: Aircraft: C5, C17, C141 (with preparation), C130
• rail • ship • hard lift points for crane lift

Engine: Caterpillar® C-12 electronic control, ADAM™ III

Transmission: Allison® 4700SP Automatic

Transfer Case: Oshkosh® 30000 series • 3 shaft • single speed

Axles: Full-time, all-wheel drive, hub reduction - Oshkosh® MTVR

Suspension: Front & Rear - Oshkosh® TAK-4® Independent

Suspension • TAK-4® coil spring front and rear

Electrical System: 24V/150 amp • 12V/10 amp accessory provision in cab

Brakes: Drum type • air operated • parking spring brakes on axle number 2 and 3

Steering: R.H. Shepard® integral power steering with booster and separate fluid reservoir • 85.4 ft. wall-to-wall turning radius

Payload: 28,000 lbs. (on-road) • 12,200 lbs. (off-road)

Pintle Towing Capacity: 22,000 lbs. Trailer towing capacity

Winch, Self Recovery: 20,000 lbs. (9072 kg) – MK30 only

Kits:

Arctic engine

Cargo tarp

Troop seats with access ladder

Chemical alarm mounting

Decontamination apparatus mounting

Troop tarp

Air conditioning

Tire chain

Jounce limiting

Sliding rear window

Tow bar

MTVR Dump Body Performance Data

Dump Bed Size: 6.5 cubic yards (4.97 meters) Struck Load

Length: 172.0 in. (4.37 m) • 164.0 inside (4.16 m)

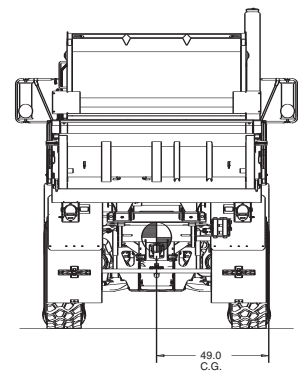
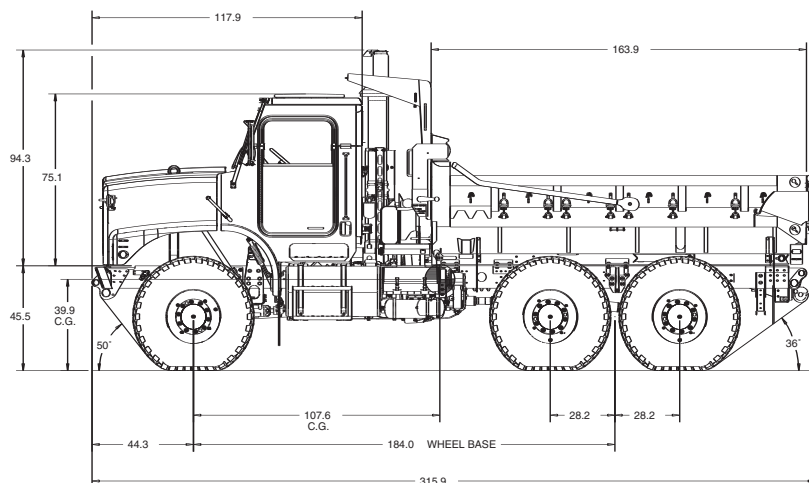
Width: 96 in. (2.43 m) outside • 84.5 in. (2.15 m) inside

Height: 22 in. (.56 m) inside

Dump Bed Angle: 50°

Hoist: Roller Combo RC-580 • 25.3 ton

Load Cover: Aero Easy Cover





MK31 TRACTOR

Cab Seating: 3-person

Axle Configuration: 6x6

Curb Weight (VCW): 28,000 lbs (12701 kg)

Gross Combined Weight Rating (GCWR):
122,000 lbs threshold (55338 kg)

Fifth Wheel Vertical Loading: 32,000 lbs (14515 kg)

Length: 297.4 in. (7554 mm)

Width: 98 in. (2489 mm)

Height: 140 in. (3556 mm)

Reducible to 98 in. (2489 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 184 in. (4674 mm)

Maximum Speed: 65 mph (105 km/h)

Tires: 16.00R20 XZL Michelin

Wheels: 20 in. x 10 in. (508 mm x 254 mm) two-piece bolt together, steel disc

Central Tire Inflation System: Dana electronic controlled system with selectable terrain settings

Fifth Wheel: Holland Kompensator® fully oscillating with 2 in. SAE kingpin capability (3.5 in. optional)

Fuel Capacity: 78 gal. (295 liters)

Cruising Range: 300 mi. (483 km)

Fording: 60 in. (1524 mm) without kits

Transportability: C5, C17 and C141 aircraft

(w/preparation) • CH53 Helicopter at VCW

• Shipboard crane loading at VCW • C130 w/waiver

Engine: Caterpillar® C-12 electronic control, ADAM™ III, 425 HP @ 1800 RPM, 1550 ft-lb @1200 RPM

Transmission: Allison® 4700SP, automatic electronic control

Transfer Case: Oshkosh® 30000 Series

Axle Rated Capacity:

Front: 16,000 lbs (7257 kg)

Intermediate: 23,000 lbs (10433 kg)

Rear: 23,000 lbs (10433 kg)

Suspension: Oshkosh® TAK-4® Independent Suspension, hydro-pneumatic rear independent suspension

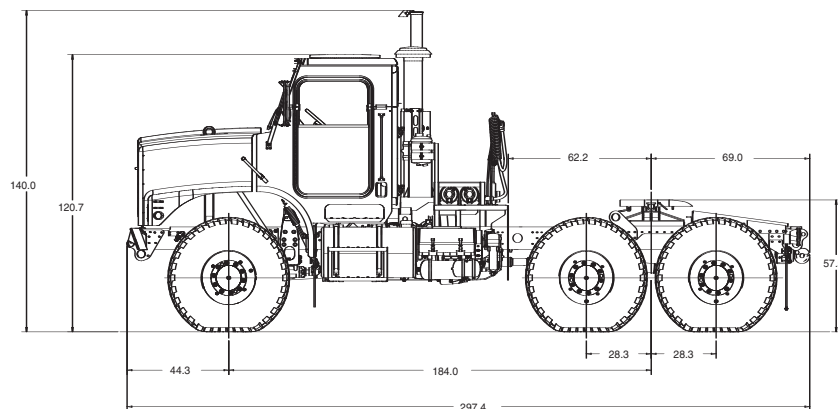
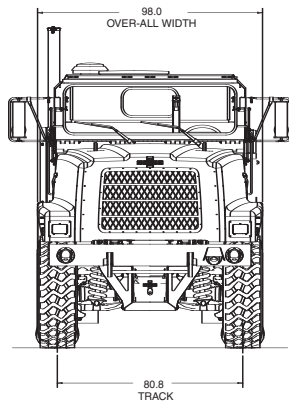
Electrical System: 24 volt vehicle with 12 volt/10 amp accessory in cab, 12/24 volt trailer attachment, 150 amp alternator

Brakes: Bendix Anti-Lock Brake System with automatic traction control

Front and Rear: Meritor RDA

Steering: All-wheel mechanical steer

Turning Diameter: 60 ft. curb-to-curb





MK36 WRECKER

Cab Seating: 3-person

Axle Configuration: 6x6

Axles: Full-time, all-wheel drive, hub reduction - Oshkosh® MTVR

Curb Weight (VCW): 49,100 lbs. (22271 kg)

Gross Vehicle Weight Rating (GVWR): 49,600 lbs. (22498 kg)

Length: 387.2 in. (9835 mm)

Width: 98 in. (2489 mm)

Height: 140 in. (3556 mm)

Reducible to 100.5 in. (2553 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 216.0 in. (5486 mm)

Maximum Speed: GVW Road 65 mph (105 km/h)

Tires: 16.00R20 XZL

Number of Tires: 7 (includes spare)

Central Tire Inflation: Dana electronic controlled system
with terrain and payload settings

Fuel Capacity: 78 gal. (295 liters)

Cruising Ranges: 300 mi. (458 km)

Fording: 60 in. (1524 mm) without kits

Transportability: Aircraft: C5, C17 • rail • ship • hard lift points
for crane lift

Engine: Caterpillar® C-12 electronic control, ADAM™ III

Transmission: Allison® 4700SP Automatic

Transfer Case: Oshkosh® 30000 series • 3 shaft, single speed

Suspension: Front & Rear - Oshkosh® TAK-4® Independent

Suspension • coil spring front • Hendrickson hydraulic
pneumatic rear

Electrical System: 24V • 12V accessory provision in cab

• 2500 Watt 110 Volt AC inverter

Brakes: Drum type • air operated • parking spring brakes on axle
number 2 and 3, trolley brake system

Steering: R.H. Shepard® integral power steering with booster and
separate fluid reservoir • 102 ft. (31.1 m) wall-to-wall turning radius

Crane: Manitex 1731 lift capacity • 22,000 lbs. (9979 kg) at 9 ft.
(2.7 m) • 3,960 lbs. (1796 kg) at maximum reach of 31 ft. (9.5 m)

Flat Tow: 48,800 lbs. (22136 kg) Cross Country

• 61,100 lbs. (27715 kg) Highway

Hydraulic Spade: 70,000 lb. (31752 kg) pull in 60 RCI soil

Kits:

Arctic engine

Chemical alarm mounting

Decontamination apparatus mounting (standard)

Air conditioning

Tire chain

Jounce limiting

Sliding rear window

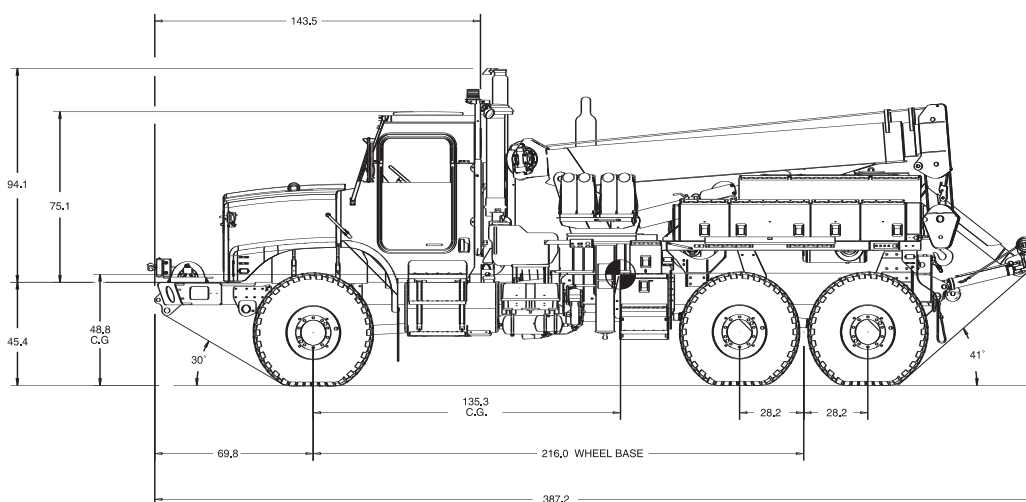
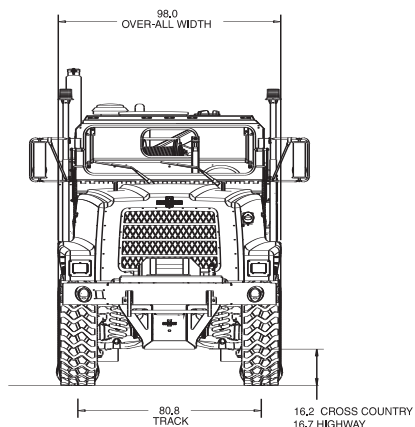
A armor

Lift & Tow: 48,800 lbs. (22136 kg) GVW with 14,000 lb. (6350 kg)
lift capacity

Pintle Towing Capacity: 22,000 lbs. (9979 kg) trailer towing capacity
• 500 lb. (227 kg) vertical rating

Winch, Main: Two 35,000 lb. (15876 kg) dual drum style constant
pull design with 320 ft. (97.5 m) of 3/4 inch (19 mm) cable

Winch, Self-Recovery: 25,000 lbs. (11340 kg) • front mounted
200 ft. (61.0 m) of 5/8 in. (16 mm) cable





MK37 HIMARS RESUPPLY VEHICLE

Cab Seating: 3-person

Axle Configuration: 6x6

Axles: Full-time, all-wheel drive, hub reduction - Oshkosh® MTRV

Curb Weight (VCW): 34,064 lbs. (15451 kg)

Gross Vehicle Weight Rating (GVWR): 61,069 lbs. (27700 kg)

Length: 359.7 in. (9136 mm)

Width: 98 in. (2489 mm)

Height: 141.6 in. (3597mm)

Reducible to 98 in. (2489 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 216.0 in. (5486 mm)

Maximum Speed: GVW Road 65 mph (105 km/h)

Tires: 16.00R20 XZL

Central Tire Inflation: Dana electronic controlled system
with terrain and payload settings

Fuel Capacity: 78 gal. (295 liters)

Cruising Ranges: 300 mi. (458 km)

Fording: 60 in. (1524 mm) without kits

Transportability: Aircraft: C5, C17, C141, C130 (with preparation)

• rail • ship • hard lift points for crane lift

Engine: Caterpillar® C-12 electronic control, ADAM™ III

Transmission: Allison® 4700SP Automatic

Transfer Case: Oshkosh® 30000 series • 3 shaft, single speed

Suspension: Front & Rear - Oshkosh® TAK-4® Independent Suspension

Electrical System: 24V • 12V accessory provision in cab

• 2500 Watt 110 Volt AC inverter

Brakes: Drum type • air operated • parking spring brakes on axle
number 2 and 3

Pintle Towing Capacity: 22,000 lbs. (9979 kg) trailer towing capacity

Crane: HIAB144 ATD-2 • lift capacity 10,000 lbs. (4600 kg)

at 10.5 ft. (3.2 m) • 5,400 lbs. (2500 kg) at maximum reach
of 20 ft. (6.1 m)

Kits:

Arctic engine

Chemical alarm mounting

Decontamination apparatus mounting (standard)

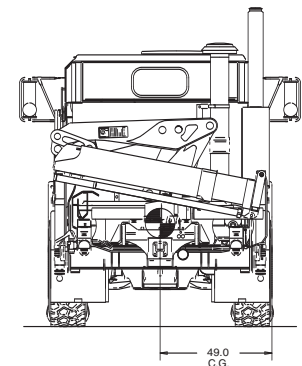
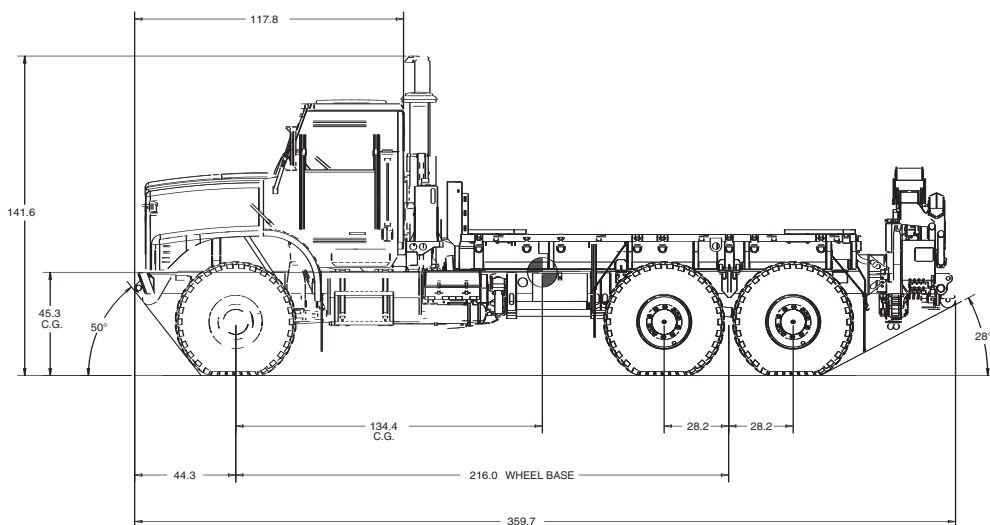
Air conditioning

Tire chain

Jounce limiting

Sliding rear window

Options: Dropside • troop seat • cargo cover kit





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LHS (LOAD HANDLING SYSTEM) 9-TON, 6X6

Cab Seating: 3-person

Axle Configuration: 6x6

Curb Weight (VCW): 33,500 lbs. (15195 kg)
with front lift adaptor

Gross Vehicle Weight Rating (GVWR): 54,000 lbs. (24494 kg)

Length: 370 in. (9398 mm)

Width: 98 in. (2489 mm)

Height: 142 in. (3607 mm)

Reducible to 98 in. (2489 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 227 in. (5766 mm)

Maximum Speed: 65 mph (105 km/h)

Tires: 16.00R20 XZL Michelin

Wheels: 20 x 10 in. (508 mm x 254 mm) two-piece bolt together,
steel disc

Central Tire Inflation System: Dana electronic controlled system

Fuel Capacity: 78 gal. (295 liters) useable

Cruising Range: 300 mi. (483 km)

Fording: 60 in. (1524 mm) without kits

Engine: Caterpillar® C-12 electronic control, ADAM™ III,
425 HP @ 1800 RPM, 1550 ft-lb @1200 RPM

Transmission: Allison® 4700SP, automatic electronic control

Transfer Case: Oshkosh® 30000 Series

Axle Rated Capacity:

Front: 19,000 lbs. (8618 kg)

Intermediate: 23,500 lbs. (10659 kg)

Rear: 25,500 lbs. (11567 kg)

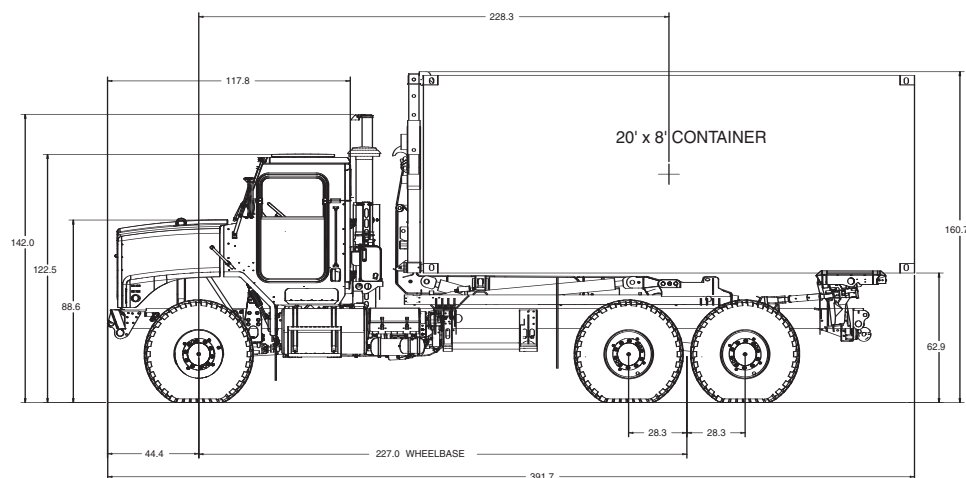
Suspension: Oshkosh® TAK-4® Independent Suspension,
coil spring front and rear

Electrical System: 24 volt with 12V/10 amp accessory provision
in cab, 150 amp alternator

Brakes: Bendix anti-lock brake system with automatic
traction control

Payload Capacity: 18,000 lbs. (8165 kg)

Payload Capabilities: 20 ft. long ISO containers, flatracks,
common 30 shelters





LHS (LOAD HANDLING SYSTEM) 16.5-TON, 8x8

Cab Seating: 3-person

Axle Configuration: 8x8

Curb Weight (VCW): 41,600 lbs. (18870 kg) with front lift adapter
stowed on vehicle

Gross Vehicle Weight Rating (GVWR): 77,600 lbs. (35197 kg)

Length: 402 in. (10211 mm)

Width: 98 in. (2489 mm)

Height: 142 in. (3607 mm)

Reducible to 98 in. (2489 mm) with preparation

Track: 80.8 in. (2052 mm)

Wheelbase: 255 in. (6477 mm)

Maximum Speed: 65 mph (105 km/h)

Tires: 16.00R20 XZL Michelin

Wheels: 20 x 10 in. (508 mm x 254 mm) two-piece bolt together,
steel disc

Central Tire Inflation System: Dana electronic controlled system

Fuel Capacity: 78 gal. (295 liters) useable

Cruising Range: 300 mi. (483 km)

Fording: 60 in. (1524 mm) without kits

Engine: Caterpillar® C-12 electronic control, ADAM™ III,
425 HP @ 1800 RPM, 1550 ft-lb. @1200 RPM

Transmission: Allison® 4700SP, automatic electronic control

Transfer Case: Oshkosh® 30000 Series

Axle Rated Capacity:

Front: 19,000 lbs. (8618 kg)

Rear tridem: 26,000 lbs. (11793 kg) each

Suspension: Oshkosh® TAK-4® Independent Suspension,
coil spring front, hydro-pneumatic rear

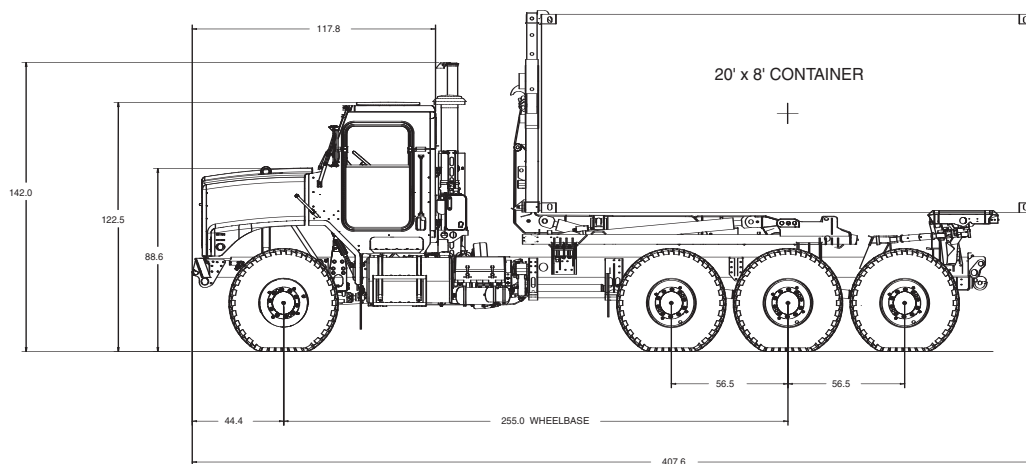
Electrical System: 24 volt with 12V/10 amp accessory provision
in cab, 150 amp alternator

Brakes: Bendix anti-lock brake system with automatic
traction control

Steering: Mechanical steer, front axle and number 3 and 4 rear axles

Payload Capacity: 33,000 lbs. (14969 kg)

Payload Capabilities: 20 ft. long ISO containers, flatracks,
common 30 shelters





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