

HEMTT A3

HEAVY EXPANDED MOBILITY TACTICAL TRUCK





THE NEXT GENERATION OF TACTICAL TRUCKS.

The trusted Oshkosh Defense® HEMTT takes a bold, technical leap forward with the A3, a generational upgrade to the current fleet. Significantly improved capabilities increase its performance well beyond current HEMTT levels.

- **Improved Crew Protection** – Integral A kit composite cab and lightweight add-on B kit LTAS appliqué armor available.
- **Improved Crew Comfort** – Roomier cab and integrated air conditioning.
- **Exportable Power** – On-board generator delivers up to 100 kW of clean, exportable military-grade AC power.
- **Increased Electrical Power** – 65% larger alternator and integrated 12V converter with convenience outlets.
- **Improved Diagnostics, Reduced Maintenance and Modular Design** – Allow multiple uses with the same support requirements.
- **Air-Transportable** – Roll on and off C-130 aircraft.
- **Independent Suspension** – TAK-4® independent suspension improves maneuverability, ride quality and mobility.
- **Enhanced Load Handling System** – Carries flatrack and ISO container cargo • transfers cargo to and from trailers
Direct load and unload of flatracks from C-130 aircraft • vertical lift up to 6,000 lbs. • 11 in. lower payload CG.
- **Increased Fuel Economy** – The ProPulse® diesel-electric drive system improves fuel efficiency up to 20% over current HEMTT models.

The A3 fills the following capability gaps within the Tactical Wheeled Fleet:

- Accommodates **C4ISR** systems that provide situational awareness and command and control capability.
- Improves load handling capacity over current systems, reducing requirements for tactical **MHE**.
- Reduces **logistical requirements** with increased fuel efficiency and decreased maintenance requirements.

Like all HEMTTs, the A3 allows fuel, equipment and supplies to keep pace with forward units and ensures that the Army gets there first in every situation. Ideally engineered to support the brigade combat team, the Oshkosh® HEMTT A3 is at the forefront of a new generation of severe-duty vehicles. It demonstrates Oshkosh Defense's ability to develop technology needed to not only help transform U.S. Tactical Fleet capabilities, but also support modularization to drive our forces into the future.



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.



HEMTT A3 M1120

HEAVY EXPANDED MOBILITY TACTICAL TRUCK

ProPulse® Diesel-Electric Series Hybrid Powered:

Cab: 2 or 3 person • composite A-kit armor-ready cab
Axle Configuration: 8 x 8
Curb Weight: 35,000 lbs. (15876 kg)
Gross Vehicle Weight Rating (GVWR): 70,000 lbs. (31751 kg)
Gross Combined Weight Rating (GCWR): 103,500 lbs. (46947 kg)
Engine: 470 hp diesel • JP-8 compatible
Generator: 340 kW
Energy Storage: 1.9MJ ultra-capacitors
Drive Motors: 480 VAC induction • 1 per axle
Suspension: Oshkosh® TAK-4® • variable height independent
Tires: 395/85R20 XZL with CTIS
Axle Gearing: 2-speed with planetary wheel ends
Maximum Speed: 65 mph (105 kph)
Secondary Road Speed: 45 mph (72 kph)
Fuel Capacity: 130 gal. (492 liters)
Fording: 48 in. (1219 mm)
Maximum Grade: 60% (30°)
Maximum Side Slope: 30% (15°)
Transportability: C-130 and larger
Electrical System: 24V DC • 430A alternator • 12V accessory
Lighting: LED Lighting • LED black-out drive light
Brakes: Air actuated disc with ABS
Steering: Power assist front tandem

Enhanced HEMTT Performance:

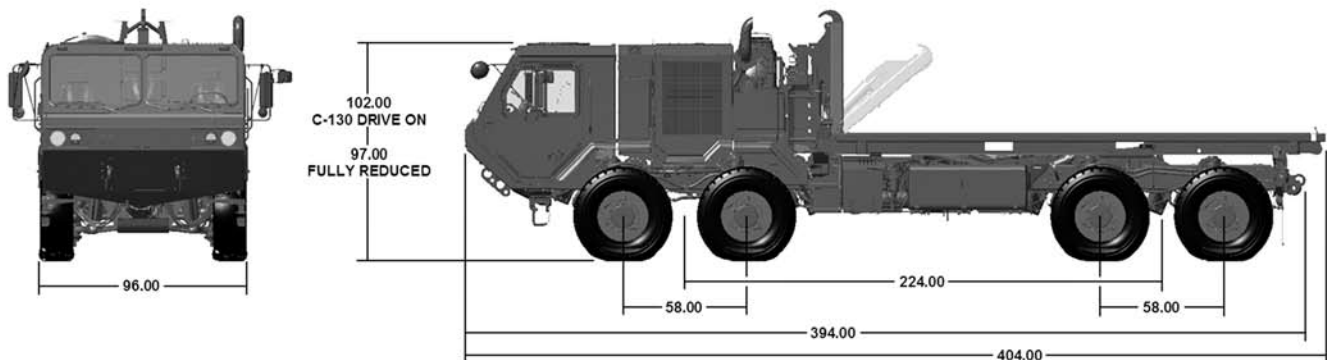
Enhanced Load Handling Systems (ELHS)

26,000 lbs. (11793 kg) including flatrack
Lightweight Container Handling Unit (CHU) kit with
onboard storage
C-130 direct interface for load/unload of flatrack mounted cargo
Material vertical lift up to 6,000 lbs. (2722 kg)
Embedded into frame for 11 in lower payload CG

Control System: Command Zone™ electronic controls
and diagnostics

Export Power: Military Tactical Quiet Generator (TQG) grade
100kW at 480VAC or 240VAC • 60Hz
85kW at 416VAC or 208VAC • 50Hz
85kW at 120VAC • 50Hz or 60Hz
110V convenience outlet

Armor: Lightweight B-kit LTAS appliqué





The ProPulse® diesel-electric drive system provides power to the vehicle as well as 100 kW of clean, exportable military grade AC power. So you can get equipment where you need with one chassis – eliminating the need for additional trucks or trailers to transport external equipment and perform emergency response, homeland defense or battlefield support roles. The HEMTT A3 provides the power to complete your mission. As a single-unit, power-generating solution, the HEMTT A3 decreases the logistics footprint. It also provides the mobility, survivability and reliability troops have come to expect and rely on from Oshkosh® vehicles.

HEMTT A3 BASE CHASSIS

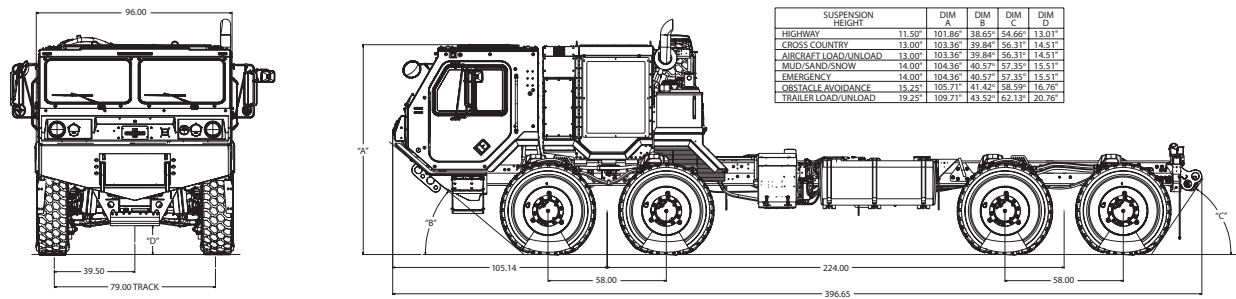
HEAVY EXPANDED MOBILITY TACTICAL TRUCK

Cab: 2 or 3 person • composite A-kit armor-ready cab
Axle Configuration: 8 x 8
Curb Weight: 31,000 lbs. (14061 kg)
Gross Vehicle Weight Rating (GVWR): 70,000 lbs. (31751 kg)
Gross Combined Weight Rating (GCWR): 103,500 lbs. (46947 kg)
Engine: 470 hp diesel • JP-8 compatible
Generator: 340 kW
Drive Motors: 480 VAC induction • 1 per axle
Suspension: Oshkosh® TAK-4® • variable height independent
Tires: 395/85R20 XZL with CTIS
Axle Gearing: 2-speed with planetary wheel ends
Maximum Speed: 65 mph (105 kph)
Secondary Road Speed: 45 mph (72 kph)
Fuel Capacity: 130 gal. (492 liters)
Fording: 48 in. (1219 mm)
Maximum Grade: 60% (30°)
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Transportability: C-130 and larger
Electrical System: 24V DC • 430A alternator
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Lighting: LED Lighting • LED black-out drive light
Brakes: Air actuated disc with ABS
Steering: Power assist front tandem

Export Power: Military Tactical Quiet Generator (TQG) grade
100 kW at 480VAC or 240VAC • 60Hz
85 kW at 416VAC or 208VAC • 50Hz
85 kW at 120VAC • 50Hz or 60Hz
110VAC convenience outlet
Reconfigurable for specific application requirements

Options:
Enhanced Load Handling System (ELHS) • 26,000 lbs.
(11793 kg) capacity • carries flattracks or ISO containers
Directly loads and unloads from C-130 aircraft
On-board stowable CHU kit
Outriggers
Ancillary fuel capacity
Spare tire
Series Hybrid (Energy Storage) • 1.9 MJ ultra-capacitors
Custom cargo platforms

Armor: Lightweight B-kit LTAS appliqué



Drawing does not include B-kit Armor or Load Handling System



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