



HEAVY EXPANDED MOBILITY TACTICAL TRUCK

HEMTT A3 | A3 DIESEL-ELECTRIC



Multi-Mission Capability. **Oshkosh Defense® HEMTT A3 Diesel-Electric.**

The Oshkosh Defense® HEMTT A3 Diesel-Electric, with its off-road hauling capability and self-contained ability to generate power, assures vital fuel, equipment and supplies keep pace with forward units.

The HEMTT A3 offers extreme performance, providing power, mobility and versatility to go wherever it needs to assure efficient mission success. It eliminates the need for additional trucks or trailers to transport external equipment, and the ProPulse® hybrid diesel-electric drive system provides unmatched power to thunder over even the most challenging terrain. It can climb a 60 percent grade and can roll at 65 mph (105 km/h). Plus, it delivers 100 kW of clean, exportable military grade AC power, enough to run a field hospital or airstrip.

The HEMTT A3 provides the mobility, versatility, survivability and reliability for mission success. As a single-unit, power-generating solution, it decreases the logistics footprint by increasing efficiencies with transportation, as well as energy generation. It gets equipment and supplies where needed and helps sustain the mission, even in the most remote locations.

HEMTT A3 | A3 DIESEL-ELECTRIC | HEAVY EXPANDED MOBILITY TACTICAL TRUCK

- Improves fuel efficiency up to 20 percent
- TAK-4® independent suspension system improves maneuverability, ride quality and mobility
- On-board generator delivers up to 100 kW of clean, exportable military-grade AC power
- 430A alternator (65 percent larger)
- Simplified maintenance: modular design, on-board diagnostics, single-fluid lubricant
- Integral A-kit composite cab and lightweight add-on B-kit LTAS appliqué armor available

ProPulse® Diesel-Electric Series Hybrid Powered

Cab: 2 or 3 person • composite A-kit armor-ready cab

Axle Configuration: 8x8

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

Control System: Command Zone™ electronic controls and diagnostics

Drive Motors: 480VAC induction • 1 per axle

Suspension: Oshkosh® TAK-4® independent
• variable height independent

Tires: 395/85R20 XZL with CTIS

Axle Gearing: 2 speed with planetary wheel ends

Maximum Speed: 65 mph (105 km/h)

Secondary Road Speed: 45 mph (72 km/h)

Fuel Capacity: 130 gal. (492 L)

Fording: 48 in. (1219 mm)

Maximum Grade: 60% (30°)

Maximum Side Slope: 30% (15°)

Air 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

HEMTT A3 Options

Enhanced Load Handling Systems (ELHS):

26,000 lbs. (11793 kg) including flatrack

Lightweight Container Handling Unit (CHU) kit with on-board storage

C-130 direct interface for load/unload of flatrack mounted cargo

Material vertical lift up to 6,500 lbs. (2948 kg)

Embedded into frame for 11 in. (279 mm) lower payload CG

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

110V convenience outlet

Armor: Lightweight B-kit LTAS appliqué

Energy Storage: 1.9MJ ultra-capacitors



Oshkosh Corporation
2307 Oregon Street, P.O. Box 2566 • Oshkosh, WI, USA 54903-2566
ph 1.920.235.9150 • fax 1.920.233.9506
Washington, DC Office
1300 North 17th Street, Suite 1040 • Arlington, VA, USA 22209
ph 1.703.525.8400 • fax 1.703.525.8408

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