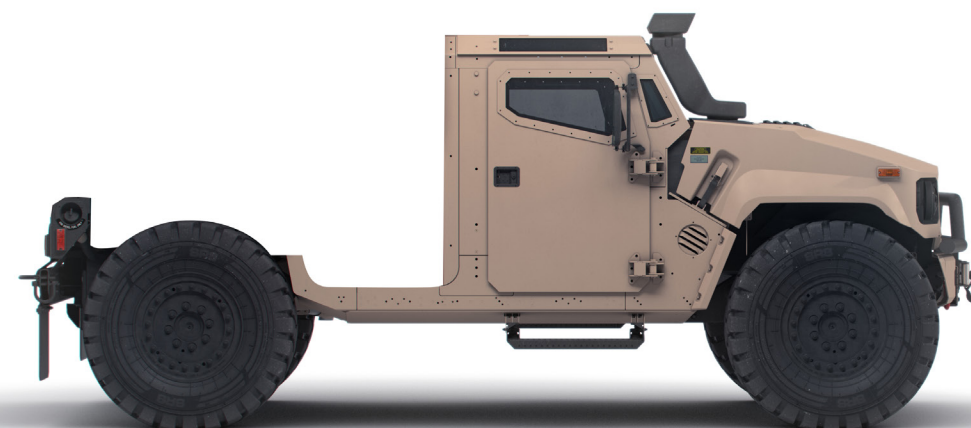


MPT™ MULTI-PURPOSE TRUCK



2-Man w/Flat Bed

Potential Configuration: Multi-purpose 4x4 vehicle with two-seat cab and flat bed that can be integrated with a variety of equipment and cargo containers.

Length	520.7 cm (205 in.)
Width	232.9 cm (91.7 in.)
Height	208.3 cm (82 in.)
Payload	Variable
Gross Weight Rating	8,392 kg (18,500 lb.)
Cruising Range	400 km (250 mi.)
Max Crew	2

MPT CONFIGURATION OPTIONS



Rolling Chassis

4x4 complete rolling chassis ready for adaptation to a variety of cab and model configurations.

Length	520.7 cm (205 in.)
Width	232.9 cm (91.7 in.)
Payload	Variable
Gross Weight Rating	8,409.1 kg (18,500 lb.)
Cruising Range	Variable
Max Crew	Variable



2 + 6 Personnel Carrier

Potential Configuration: 4x4 vehicle with two-seat cab and 6-seat personnel carrier module. Includes an articulated power rear access door system.

Length	520.7 cm (205 in.)
Width	232.9 cm (91.7 in.)
Height	259.1 cm (102 in.)
Payload	Variable
Gross Weight Rating	8,392 kg (18,500 lb.)
Cruising Range	400 km (250 mi.)
Max Crew	8



Cab & Chassis Base Platform

Multi-purpose 4x4 vehicle with two-seat cab and chassis that can be fitted with a variety of special purpose configurations/modules.

Length	520.7 cm (205 in.)
Width	232.9 cm (91.7 in.)
Height	208.3 cm (82 in.)
Payload	Variable
Gross Weight Rating	8,392 kg (18,500 lb.)
Cruising Range	400 km (250 mi.)
Max Crew	2



4-Man Base w/Cargo Box

Potential Configuration: 4x4 vehicle with four-seat cab and cargo box

Length	520.7 cm (205 in.)
Width	232.9 cm (91.7 in.)
Height	208.3 cm (82 in.)
Payload	Variable
Gross Weight Rating	8,392 kg (18,500 lb.)
Cruising Range	400 km (250 mi.)
Max Crew	4

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المركبات قادمة!

105 N. Niles Ave.
South Bend, IN 46634
(574) 237-6222

www.amgeneral.com



The Multi-Purpose Truck (MPT) is a commercial base 4x4 platform chassis truck (cab and chassis) with 8,392 kg (18,500 lb) GVWR and with a variable payload capacity dependent on configuration, engineered to serve the extreme-environment needs of energy, mining, industrial, and government customers around the world. The MPT is engineered and designed based on existing and test-proven AM General components, Off-the-Shelf (OTS) AM General items, Commercial Off-the-Shelf (COTS) items from other commercial vehicles, and Military Commercial Off-the-Shelf (M-COTS) items.

The MPT base platform utilizes an eight cylinder, 6.5L, electronic turbo diesel engine that produces 250 hp and 550 lb of torque. An electronic-controlled 6-speed Allison® automatic transmission and 2-speed mechanical shift transfer case drive independent axles with geared hubs. The MPT utilizes a front and rear independent suspension module, which improves mobility and adaptability while providing higher ground clearance and the extra wheel travel

needed in all-terrain conditions. An anti-lock braking system (ABS) with 4-wheel inboard mounted disc brakes is standard.

The MPT's electrical system utilizes a dual voltage (12 & 24 volt) system designed to meet the power requirements of the vehicle and a range of power demands for special purpose modules while providing reliable performance in harsh operating environments. The charging system includes a 400-amp alternator and external solid state voltage regulator. Solid state modules are used for circuit protection in place of traditional circuit breakers and relays. The solid state modules provide the ability to control electrical loads with software and provide enhanced fault detection diagnostics.

The MPT's 3.46 m (136.3 in.) wheelbase open chassis is designed to accept a variety of special purpose bodies/modules including an ambulance body, wrecker body, crew transport body, flatbed transport body, communication body, cargo carrying body, and tactical configurations that attach to the base MPT frame at predefined mounting locations.



Variants

The MPT was designed to allow customers to configure payload modules based on their needs. The Cab & Chassis Base Platform is the base vehicle configuration. MPT modules can be developed by the purchasing country's engineering experts or, if needed, by AM General engineers. Modules can include several applicable configurations utilizing a 2-man cab. Other variants include the 2-man w/ Flat Bed, 2 + 6 Personnel Carrier, 4-man Base w/ Cargo box, and 9 Crew Capacity Vehicle.

Personnel Carrier

The MPT 2 + 6 Personnel Carrier concept seats a crew of six. The module has a rear access door articulated by a powered mechanical unit. Additional internal components can be configured to include specialized seating, intercom headsets (hanging), RWS controls, and radios.

Mobility

The MPT has a high mobility suspension system with independent double "A" arms, open end coil springs, and hydraulic shock absorbers. The suspension system is characterized as a passive system with load setting

COMMON SPECIFICATIONS

Wheelbase	3.46 m (136.3 in.)
Ground Clearance	.41 m (16 in.)
Approach / Departure Angle	60° / 45°
Maximum Speed	113 km/h (70 mph)
Engine Type	GEP Turbodiesel (250 hp)
Transmission Type	Allison® 2500 Series, 6-Speed Automatic
Steering Type	Power-assisted recirculating ball
Brakes Type	4-Wheel, Inboard Mounted Discs, ABS
Fuel Tank Capacity	113 liters (30 gal.)
Maximum Torque	746 N·m (550 lb-ft)
Power	186 Kw (250 hp)

STANDARD ACCESSORIES

- Fire Extinguisher
- Run Flat Tires
- Power Management System
- Winch
- Central Tire Inflation System (CTIS)

capability on the rear (load leveling). The springing and damping properties of suspension components (springs, shocks and control arms) are static and derived from constant force-displacement and force-velocity curves. In addition, the wheel and tire design provides traction for mobility and control through the complete range of vehicle loading conditions, while absorbing shocks and vibrations from the operational terrain.

Protection

The MPT 2 + 6 Personnel Carrier offers the customer the ability to design a highly survivable module based utilizing the MPT payload capacity.

Multi-Mission Platform

The MPT provides a multi-purpose platform capable of integrating a multitude of modules, weapons and additional internal components.

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