



HEAVY EXPANDED MOBILITY TACTICAL TRUCK (HEMTT)

Mission

Provide transport capabilities for re-supply of combat vehicles and weapons systems.

Entered Army Service

1982

Description and Specifications

There are five basic configurations of the HEMTT series trucks: M977 cargo truck with Materiel Handling Crane, M978 2500 gallon fuel tanker, M985 cargo truck with Materiel Handling Crane, M983 tractor and the M984 wrecker. A self-recovery winch is also available on certain models. This vehicle family is rapidly deployable and is designed to operate in any climatic condition where military operations are expected to occur. The HEMTT is the backbone of U.S. Army logistics. Standard features include front and rear tow eyes, blackout lights, 24-volt electrical system, and rear pintle hook for towing trailers and artillery. All models are C130, C141 and C17 air transportable and are capable of fording water crossings up to 48 inches deep.



The HEMTT Load Handling System (LHS) consists of a standard HEMTT (M977/M978 or M985 chassis) prime mover (8 x 8 foot configuration) equipped with an integral load-handling system providing self-load/unload capability and capable of transporting an 11-ton payload. LHS carries equipment/ammunition/supply loads on demountable "flatrack" cargo beds and is able to tow an 11-ton payload trailer also capable of carrying flatracks. The containerized roll-in/out platform (CROP), an A-frame type flatrack that fits inside a 20-foot International Standards Organization container, gives the HEMTT LHS added cargo carrying capability. Flatracks and CROPs are interchangeable between HEMTT LHS and the Palletized Load System.

	M977	M978	M985	M983	M984
Length:	401 in	401 in	401 in	351 in	392 in
Height:	Operational 112 in; Transport 102 in - all				
Width:	96 in	96 in	96 in	96 in	96 in
Wheelbase:	210 in	210 in	210 in	181 in	191 in
Turning circle:	100 in	100 in	100 in	91 in	95 in
Ground clearance:	24 in	24 in	24 in	24 in	24 in
Vehicle curb weight:	M977 w/ winch - 38,800 lbs; w/o winch - 37,900 lbs M978 w/ winch - 38,200 lbs; w/o winch - 37,300 lbs M983 w/ crane - 39,200 lbs; w/o crane - 32,200 lbs M984 - 50,900 lbs M985 w/ winch - 39,600 lbs; w/o winch - 38,700 lbs				
Max speed:	57 mph	57 mph	57 mph	57 mph	57 mph

Cruising range: 300 mi 300 mi 300 mi 300 mi 300 mi
Maximum grade: 60% with payload of 22,000 lbs
Engine: 445 or 450 horsepower diesel engine
Transmission: 4-speed automatic and 2-speed Oshkosh transfer case with air-operated front tandem axle disconnect
Crew: 2

Manufacturer

Oshkosh Truck (Oshkosh, WI)

Information about this equipment provided by: www.goarmy.com

For further information visit: www.minnesotanationalguard.org