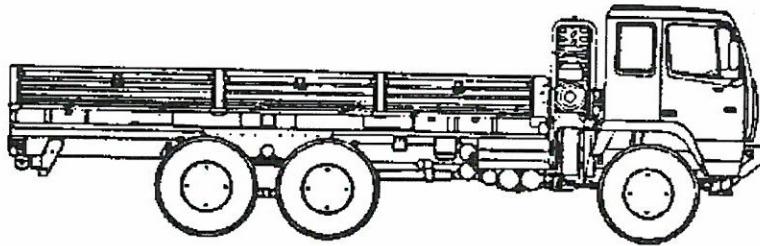


M1085 Long Wheel Base (LWB) Truck



The M1085 Long Wheel Base (LWB) Truck is designed to transport soldiers and cargo in International Standardized Operations Containers. The M1085 has a payload capacity of 10,000 pounds and to facilitate loading/unloading, the bed side rails are mounted on hinges. The cargo bed can be equipped with an

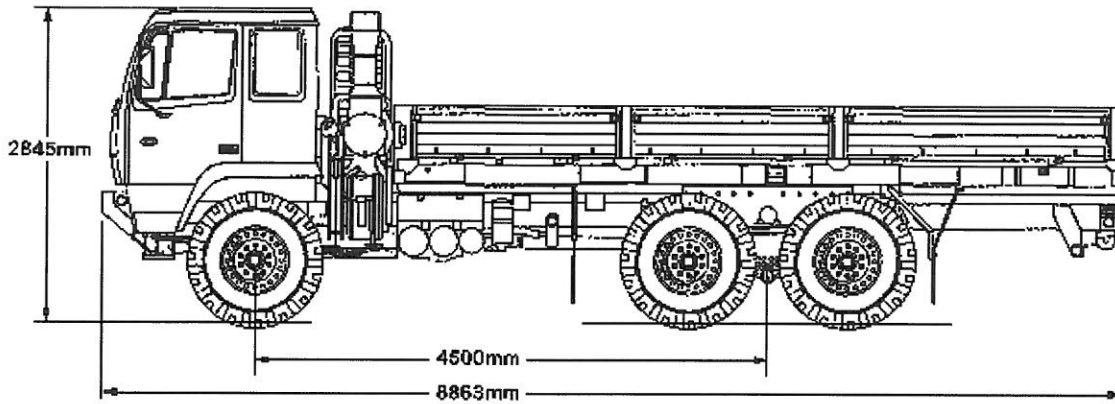
optional bench seat kit for transport of soldiers. The bench seats are constructed of a non-wood material and attach to the cargo bed side rails. The seats can be folded down and stowed when not in use. Soldiers are assisted climbing in and out of the cargo bed area with the aid of a ladder stowed on the vehicle when not in use. A canvas and bows kit is provided to keep soldiers and cargo protected from the elements. The M1085 can be equipped with a self-recovery winch capable of fore/aft vehicle recovery operations. The winch has 280 feet of line capacity and 15,500 pounds bare drum line pull at 110% overload.



xxx **MTV**

5-Ton

Long Cargo



No other tactical truck in its class can match its standard features:

- Full-time all-wheel drive
- Soldier-smart CTIS (Central Tire Inflation System)
- Fully automatic transmission
- Integral transfer case
- Anti-sway bar
- High horsepower-to-weight ratio
- Fully MANPRINT compliant
- Nonwooden troop seats
- xxx • HAEMP hardened

Basic Vehicle Information

Vehicle Model	M1085
NSN	2320-01-354-4530
Drive	6 x 6 (full-time) with locking interaxle differential
Engine	Diesel, EPA compliant, 290 hp
Transmission	Fully automatic
Axles	Single reduction with outboard planetaries
Cab	3-Man, cab-over-engine
Tires	Super singles with CTIS

x Dimensions

Length	349" (8,863 mm)
Height Operational	112" (2,845 mm)
Height For Air Transport	105.5" (2,680 mm)
Width	96" (2,438 mm)
Wheelbase	177" (4,500 mm)
Vehicle Curb Weight No Kits, Crew, Fuel	20,836 lb (9,451 kg)
Ground Clearance Loaded	22" (559 mm)

x Performance Characteristics

Maximum Speed Governed, at Gross Weight	58 mph (94 km/h)
Range Minimum, at Gross Weight	300+ mi (483+ km)
Maximum Grade	60%
Approach Angle	40°
Departure Angle Standard	19°
Side Slope	30%
Fording Without KIT	36" (914 mm)
Fording With KIT	60" (1,524 mm)
Payload	10,000 lb (4,536 kg)
Towed Load	21,000 lb (9,526 kg)

x Equipment Specifications

Cab Crew Seating	3-Man
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SPECIFICATIONS

	Seat Design	Fore/Aft adjustable
	Steering Wheel	Adjustable, tilt and telescopic
	Steering Type	Power assist
	Storage (behind seats)	4 cu-ft each
	Cab Suspension	Air spring with integral dampers
Engine	Caterpillar, Diesel, 6-Cylinder	6.6 L, turbocharged and aftercooled
	Rating	290 hp (216 kW) @ 2600 rpm, EPA-certified
	Governor	Mechanical
	Fuel	Diesel, DF-2, JP-4, JP-8, V V-F-800
	Oil	18 qt (17 L) (MIL-L-2104D, MIL-L-46167)
	Cooling	Water, radiator
	Fan	Engine-driven, clutch-type
Transmission	Allison	Fully automatic, electronically controlled
	Speeds	7 speeds, automatic/select
	Full-time All-wheel Drive	Integral transfer case with locking interaxle differential
	Normal Operation	30% torque front wheels, 70% torque rear wheels
	Off-Road (locked diff.)	Equal speed front-to-rear
	Oil	31.8 qt (30 L) (MIL-L-2104D, MIL-L-46167)
Axles	Rockwell	Front, Ft-rear, and R-rear
	Carrier	Single reduction, amboid gearing
	Wheel Ends	Bevel gear wheel end reduction
	Wheel End Ratio	2:1
	Overall Axle Gear Ratio	7.8:1
	Front Axel Steering Angle	35°
	Brakes	Air-activated, internal expansion (wedge)
Alternator	Engine-driven	EMI/RFI suppressed, waterproof
	Rating Standard	100 amp
	Option	200 amp
	Voltage	12/24 V
Tire Inflation System	Eaton	Electronic (cab-mounted) controls - Highway - Cross-country - Sand/Mud/Snow - Emergency
Cargo Bed	Dimensions	240 x 95" (6,096 x 2,413 mm)
	Ladder	Stowed, metallic
	Construction	All steel, E-coat rustproofing, dropside with side rail storage
	Standard Options	Troop seats, stowable nonwooden; bows and tarp kit
Material Handling Equipment (Optional)	Loading/Unloading Crane	Loads/unloads cargo bed, electric operation, 1,500 lb (680 kg) lift at 4 ft (1.2 m)
Self-Recovery	Winch Standard Option	Fore/aft recovery positions; hydraulic operation; 280 ft (85.3 m) line capacity; 15,500 lb