

FMTV A1 R M1084 A1

5.0 ton Standard Cargo with MHE

The Family of Medium Tactical Vehicles (FMTV) provides the U.S. Army's backbone for tactical unit mobility and logistics support throughout the battlefield. These vehicles are considered the most sophisticated off-road, multi-purpose military tactical vehicles in use, and are capable of operating worldwide on primary and secondary roads, as well as on trails and cross-country in weather extremes from -50°F (-46°C) to +120°F (49°C).

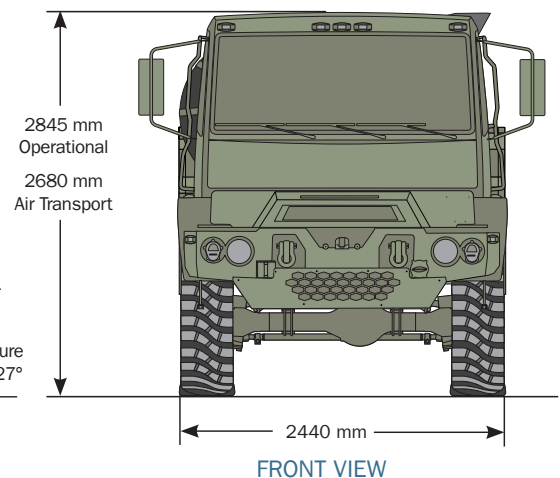
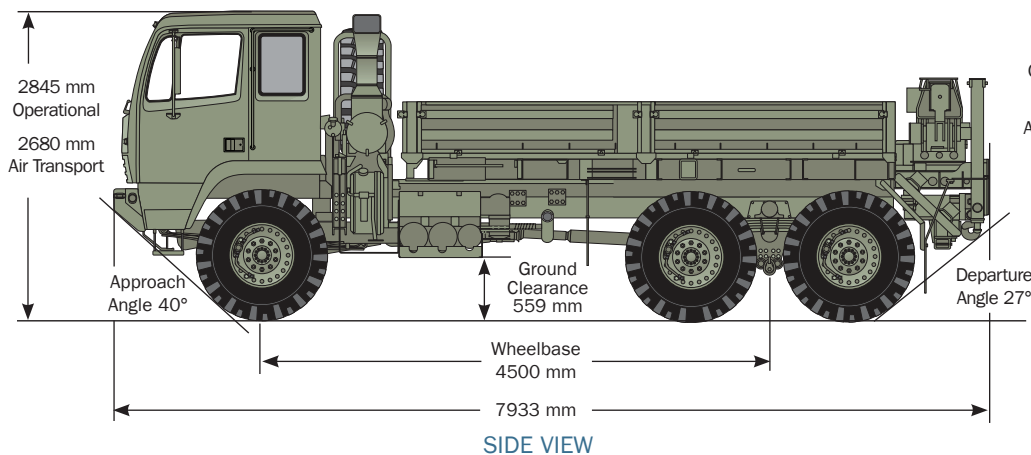
Product Numbers

LIN T41203

NSN 2320-01-447-3887

KEY FEATURES

- Full-time all-wheel drive
- Fully automatic transmission
- Electronic Central Tire Inflation System (CTIS)
- Anti-lock Braking System (ABS)
- Interactive Electronic Technical Manuals (IETM)
- Fully MANPRINT compliant
- C-130 air transportable at GVW
- U.S. Army proven ultra-reliability
- Family of 16+ vehicles with 80% commonality
- U.S. Army certified 22-year corrosion protection
- Highest proven reliability of any tactical vehicle



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VEHICLE SPECIFICATIONS

Length:	312.3 in (7,933 mm)
Width:	96 in (2,438 mm)
Height:	
Operational	112 in (2,845 mm)
For Air Transport	105.5 in (2,680 mm)
Height-Pintle:	
Unloaded	36 in (905 mm)
With Payload	32.4 in (824 mm)
Wheel Base:	161.4 in (4,100 mm)
Ground Clearance:	
Loaded	22 in (559 mm)
Under Axle	14.4 in (365 mm)
Approach/Departure Angle:	40°/27°
Vehicle Curb Weight with Fuel:	24,656 lb (11,184 kg)
Payload:	10,000 lb (4,536 kg) plus kits
Towed Load:	21,000 lb (9,526 kg)
Maximum Speed:	
Governed, at Gross Weight	58 mph (94 km/h)
Range, 58 gal (219 L) nominal:	300+ mi (483+ km)
Maximum Grade/Side Slope:	60%/30%
Turning Circle:	
Curb-to-Curb	70.5 ft (21.5 m)
Wall-to-Wall	76.5 ft (23.3 m)
Fording, without Kit:	30 in (762 mm)

EQUIPMENT SPECIFICATIONS

Cab:	
Design	3-Man, Ergonomically Adjustable Driver Seat and Steering Wheel
Steering	Power Assisted, Recirculating Ball
Storage	8 cu ft (2.4 cu m)
Suspension	3-Point Rubber Isolator

EQUIPMENT SPECIFICATIONS CONTINUED

Engine:	Caterpillar C7	Heavy Duty Diesel, 6-Cylinder, Electronic Controlled, Fuel-Injected Turbocharged and Aftercooled, EPA Certified
Rating		330 hp (246 kW) @ 2400 rpm
Displacement		441 cu in (7.2 L)
Torque		860 lb-ft (1,166 Nm) @ 1440 rpm
Fuel		Diesel, DF-2, JP-4, JP-8, VV-F-800
Oil		MIL-L-2104D, MIL-L-46167, 22 qt (21 L)
Transmission:	Allison 3700SP	Automatic/Select 7-speed, Electronically Controlled
Full-Time		
All-Wheel Drive		Integral Transfer Case
Normal Operation		30% Torque Front Wheels, 70% Torque Rear Wheels; Off-Road, Equal Front and Rear
Oil		MIL-L-2104D, MIL-L-46167, 31.8 qt (30 L)
Axles:	ArvinMeritor Carrier	Front, Intermediate, and Rear Axles Single Reduction, Amboid-Gearing Bevel Wheel End
Overall Axle Gear Ratio		7.8:1
Front Axle Steering Angle		35°
Electrical:	System	12/24 volt, EMI/HAEMP Qualified, Resettable Circuit Breakers, Central Power Distribution Panel, Battery and Charging Management System
Alternator		260 amp, 12/24 volt, Waterproof, EMI/RFI Suppressed
Starter		24 volt Waterproof
Instrumentation		SAE J1708 Data Bus Driven Instrument Cluster
Tires:		Michelin 395/85R20XML All-Terrain
Brakes:	Primary	Dual-Circuit, Four Channel Air, Anti-Lock Braking System (ABS) with Trailers ABS Connectors for Emergency Towing
Supplemental		Air Actuated, Driver Controlled Exhaust Brake

Central Tire Inflation System, Eaton:	Cab-Mounted Electronic Controls, Operable While Driving Highway, Cross-Country, Air Transport, Sand/Mud/Snow, and Emergency Modes
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Diagnostics, Interactive Electronic Technical Manuals (IETM):	Class V, Intrusive Diagnostics, SAE J1708/J1939 Data Buses to Diagnose All (4) Unique Electronic Control Modules (ECM)
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Suspension:	
Front	Parabolic-Tapered Leaf Spring with Coil over Hydraulic Shock Absorbers
Rear	Tandem Axles Parabolic-Tapered Leaf Spring with Hydraulic Shock Absorbers and Stabilizer Bar

Transportability/Deployability:	
Internally	Air-transportable by C-130, C-141, C-17, and C-5A at GWW
Externally	Transportable by CH-53 Helicopters

Self Recovery Winch:	
(Optional)	15,500 lb (7,031 kg) Rating, 280 ft (85.3 m) Line Capacity, Fore/Aft Recovery Positions

Cargo Bed:	
Inside Cargo Bed	170 in x 91 in (4,318 x 2,311 mm)
Ladder	Integral, Stowed
Construction	All steel, E-COAT Rustproofing, Dropside with Side Rail Storage
Options	Troop Seats, Stowable Composite; Bows and Tarp Kit

Material Handling Equipment:	
Crane	Loads/Unloads Cargo Bed and Trailer, Hydraulic Operation 2,500 lb (1,134 kg) Lift at 14 ft (4.3 m), 5,000 lb (2,268 kg) at 7 ft (2.1 m), Includes Stabilizers and Local/Remote Controls

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