

FMTV A1 R M1087 A1

5.0 ton Expansible Van

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).

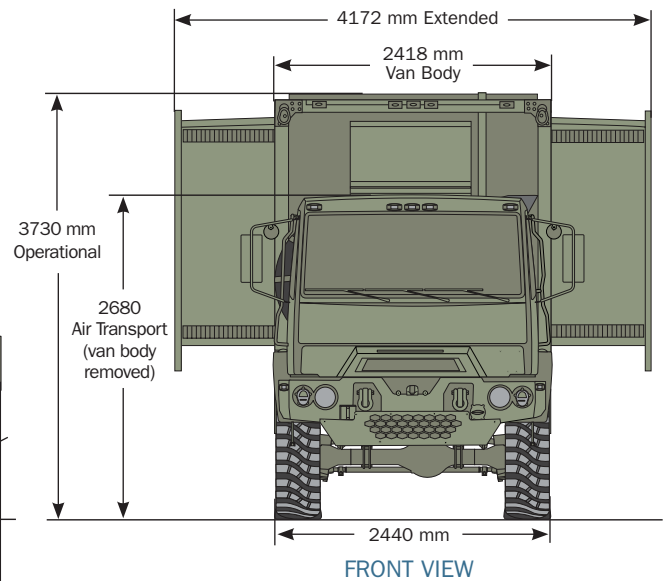
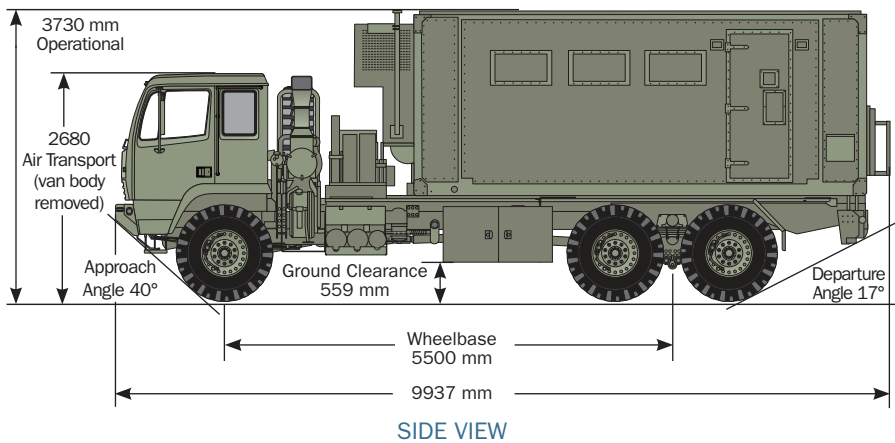
Product Numbers

LIN T41271

NSN 2320-01-459-0362

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:	391.2 in (9,937 mm)
Width:	96 in (2,438 mm)
Extended	164.3 in (4,172 mm)
Height:	
Operational	146.9 in (3,730 mm)
For Air Transport	
Without Van Body	105.5 in (2,680 mm)
Height-Pintle :	
Unloaded	36 in (905 mm)
With Payload	33.9 in (860 mm)
Wheel Base:	216.5 in (5,500 mm)
Ground Clearance:	
Loaded	22 in (559 mm)
Under Axle	14.4 in (365 mm)
Approach/Departure Angle:	40°/17°
Vehicle Curb Weight with Fuel:	30,624 lb (13,891 kg)
Payload:	5,000 lb (2,268 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	79.0 ft (24.1 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	
Normal Operation	Integral Transfer Case
	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
Wheel End	Bevel Wheel End
	Reduction, Ratio 2:1
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	
Diagnostics, Interactive Electronic Technical Manuals (IETM):	
Class V, Intrusive Diagnostics, SAE J1708/J1939 Data Buses to Diagnose All (4) Unique Electronic Control Modules (ECM)	
Suspension:	
Front	Parabolic-Tapered Leaf Spring with Coil over Hydraulic Shock Absorbers
Rear	Tandem Axles with 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 GVW (with Van Body Removed)
Self Recovery Winch:	
(Optional)	15,500 lb (7,031 kg) Rating, 280 ft (85.3 m) Line Capacity, Fore/Aft Recovery Positions
Van Body:	
Dimensions (Internal)	
Expanded	232 x 160 x 83 in (5,893 x 4,064 x 2,108 mm)
Retracted	232 x 80 x 83 in (5,893 x 2,032 x 2,108 mm)
Construction	
Waterproof, 3 double-paned windows with blackout shields per side, double rear doors and two side doors with removable steps and platforms, aluminum bonded insulated panels, manual drive for single piece expanded section, main electrical junction box with multiple outlet boxes, (air conditioner and heater optional), incandescent and fluorescent lighting, AC/DC blackout lighting with blackout override switches.	

FOR MORE INFORMATION CONTACT:

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