

# FMTV A1 R M1083 A1

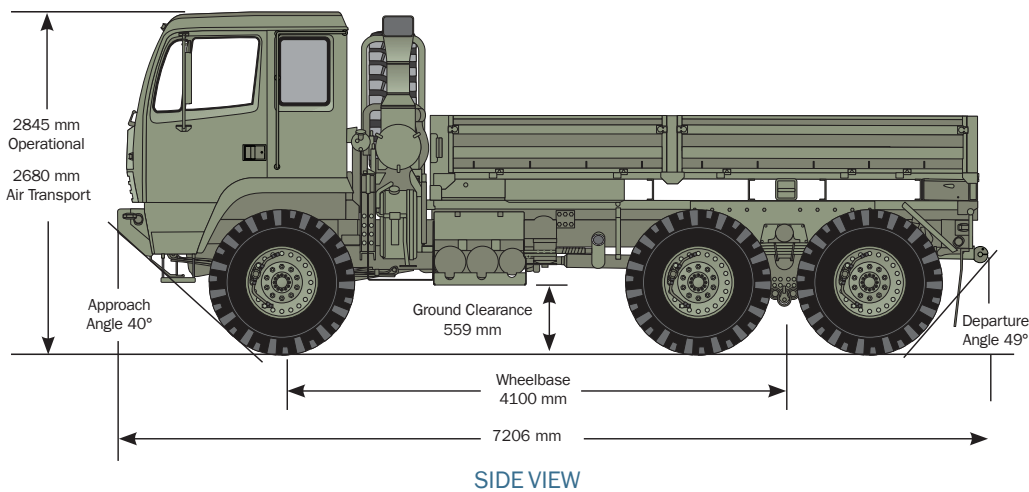
## 5.0 ton Standard Cargo

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

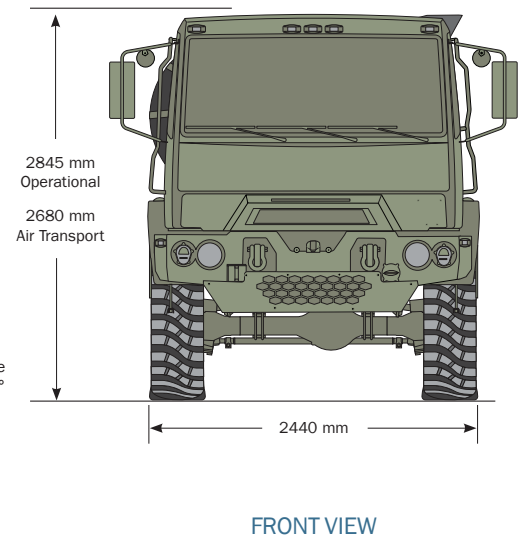
LIN T61908

NSN 2320-01-447-3890



### 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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## 5.0 ton Standard Cargo

### VEHICLE SPECIFICATIONS

Length:	283.7 in (7,206 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°/49°
Vehicle Curb Weight with Fuel:	20,796 lb (9,433 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	65.6 ft (20.0 m)
Wall-to-Wall	69.6 ft (21.2 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	
Suspension	3-Point Rubber Isolator	
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	Front, Intermediate and Rear Axles	
Carrier	Single Reduction, Amboid-Gearing	
Wheel End	Bevel Wheel End	
Overall Axle Gear Ratio	Reduction, Ratio 2:1	
Front Axle Steering Angle	7.8:1	
	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	
Externally	Transportable by CH-47 and 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 Construction	Integral, Stowed All Steel E-COAT Rustproofing, Dropside with Side Rail Storage	
Options	Troop Seats, Stowable Composite; Bows and Tarp Kit	
Material Handling Equipment, Crane (Optional):		
	Loads/Unloads Cargo Bed and Trailer, Electric Operation, 1,500 lb (680 kg) Lift at 4 ft (1.2 m)	

### FOR MORE INFORMATION CONTACT:

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