

FMTV A1 R M1157 A1

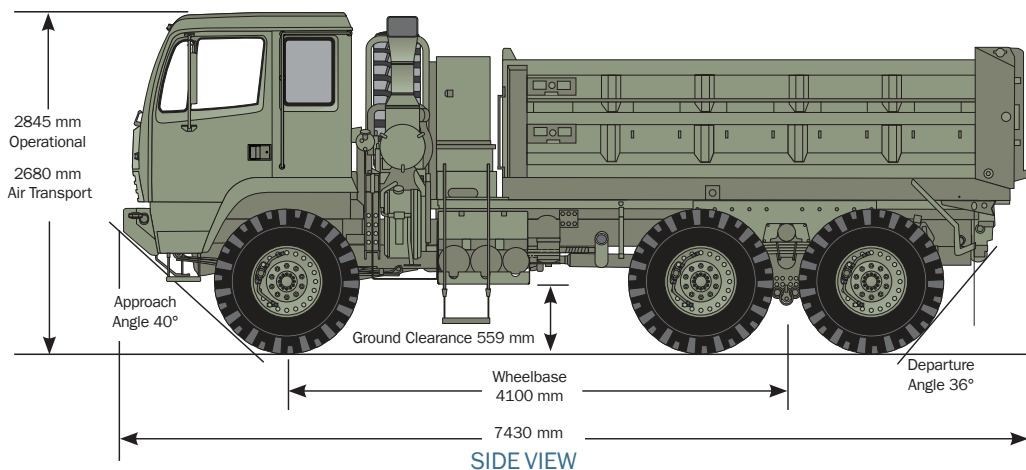
10.0 ton Dump

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 Z00477

NSN 2320-01-522-1858



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

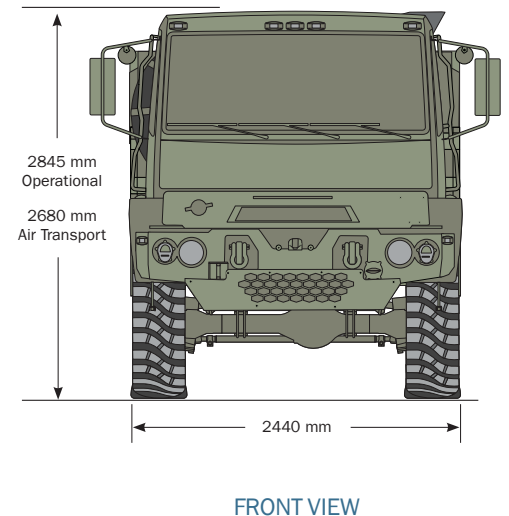
C-130 air transportable

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:	292.5 in (7,430 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 in (812 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°/36°
Vehicle Curb Weight with Fuel:	26,320 lb (11,939 kg)
Payload:	20,000 lb (9,072 kg) plus kits
Towed Load:	26,000 lb (11,794 kg)
Maximum Speed:	
Governed, at Gross Weight	58 mph (94 km/h)
Range, 78 gal (295 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 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

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

Dump Body:	
Construction	Welded Steel 10 cu yd (4 cu m); Provisions for Troop Seats and Cover Kit
Angle	50° on Grades up to 7% with Cab-Operated Controls
Troop Seats (optional)	Stowable, Composite

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