

# FMTV A1 R M1085 A1

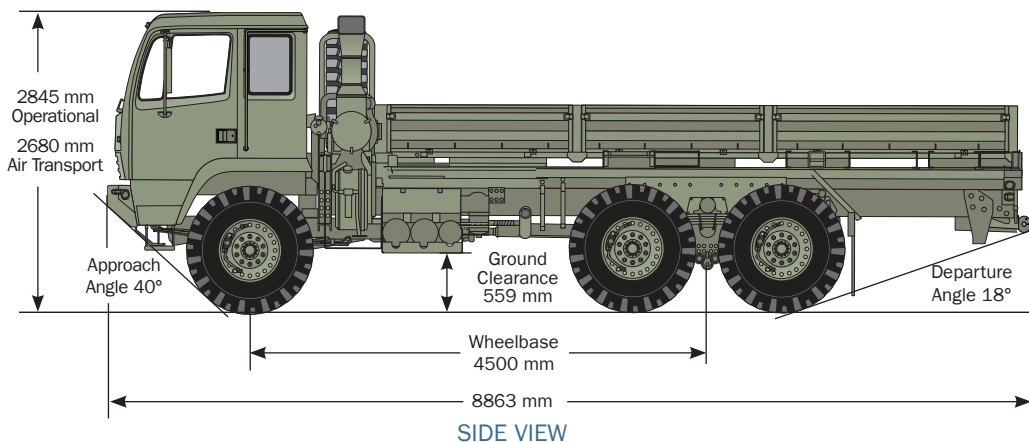
## 5.0 ton Long Cargo

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

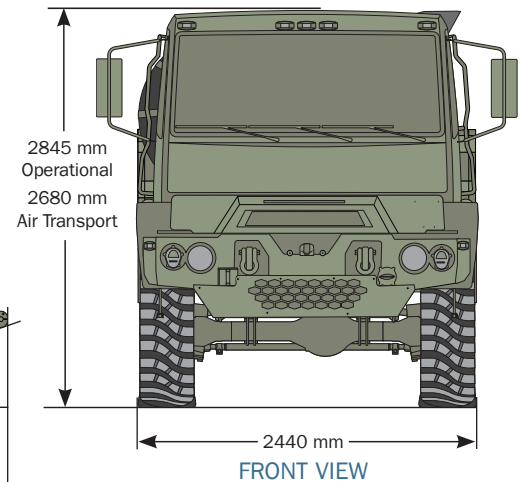
LIN T61704

NSN 2320-01-447-3891



### 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 Long Cargo

### VEHICLE SPECIFICATIONS

Length:	348.9 in (8,863 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	32.6 in (829 mm)
Wheel Base:	177 in (4,500 mm)
Ground Clearance:	
Loaded	22 in (559 mm)
Under Axle	14.4 in (365 mm)
Approach/Departure Angle:	40°/18°
Vehicle Curb Weight with Fuel:	21,706 lb (9,846 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 Wheel End	Front, Intermediate, and Rear Axles Single Reduction, Amboid-Gearing 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  
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 244 x 91 in (6,204 x 2,311 mm)  
Ladder Integral, Stowed  
Construction All steel, E-COAT Rustproofing, Dropside with Side Rail Storage  
Options Bows and Tarp Kit

Material Handling Equipment:  
Crane (Optional) Loads/Unloads Cargo Bed, Electric Operation, 1,500 lb (680 kg) Lift at 4 ft (1.2 m)

### FOR MORE INFORMATION CONTACT:

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