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
NSN 2320-01-447-3885

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
VEHICLE SPECIFICATIONS

Length: 348.9 in (8,861 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 35.9 in (911 mm)
Wheel Base: 177.2 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: 17,820 lb (8,083 kg)
Payload: Consult Factory
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)
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

Engine:
Caterpillar C7 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

Transmission:
Allison 3700SP Automatic/Select 7-speed, Electronically Controlled

Full-Time All-Wheel Drive
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 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