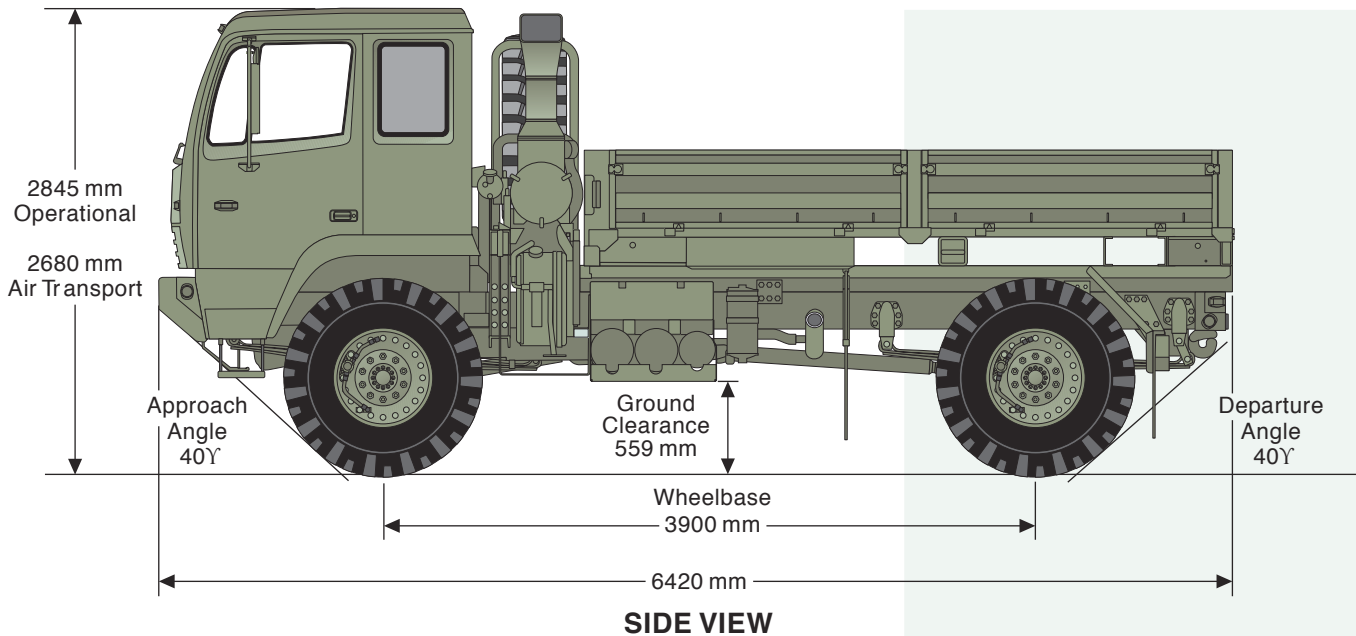


# M1078 A1

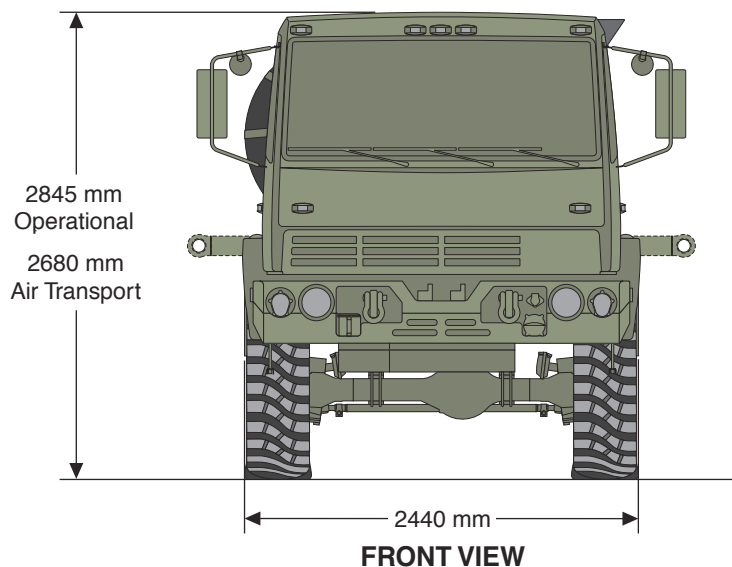
## 2.5 Ton Standard Cargo

LIN T60081 NSN 2320-01-447-6343



## 2.5 Ton Standard Cargo

The Family of Medium Tactical Vehicles (FMTV) provides the Army's backbone for tactical unit mobility and logistics support throughout the battlefield. Produced by Stewart & Stevenson® Tactical Vehicles Systems, LP, medium vehicles must be capable of operating worldwide on primary and secondary roads, as well as on trails and cross-country in weather extremes from -50 to +120 degrees Fahrenheit.



### FMTV A1 Characteristics

- 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 98%+ operational readiness
- Family of 14+ vehicles with 80% commonality
- U.S. Army certified 22-year corrosion protection
- Highest proven reliability of any tactical vehicle



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- Length
- Width
- Height
- Wheel Base
- Ground Clearance
- Approach / Departure Angle
- Vehicle Curb Weight
- Payload
- Towed Load
- Maximum Speed
- Range
- Maximum Grade / Side Slope
- Turning Circle
- Fording
- Cab
- Engine
- Transmission
- Axles
- Electrical
- Tires
- Brakes
- Central Tire Inflation System
- Diagnostics
- Suspension
- Transportability/Deployability
- Self Recovery Winch
- Cargo Bed
- Material Handling Equipment

## Vehicle Characteristics

	253"	(6,420 mm)
	96"	(2,440 mm)
Operational	112"	(2,845 mm)
For air transport	105.5"	(2,680 mm)
	153.5"	(3,900 mm)
Loaded	22"	(559 mm)
	40° / 40°	
	17,589 lb	(7,978 kg)
	5,000 lb (plus kits)	(2,268 kg)
	12,000 lb	(5,443 kg)
Governed, at gross weight	58 mph	(94 km/h)
58 gal. (219 L) nominal	400+mi	(645+ km)
	60% / 30%	
Wall-to-wall	55.8"	(17 m)
	30"	(762 mm)

## Equipment Specifications

Design	3-Man, ergonomically adjustable driver seat and steering wheel
Steering type	Power assisted, recirculating ball
Storage	8 cu-ft
Cab suspension	Height-adjusting air springs with damper
Caterpillar 3126	Heavy duty diesel, 6-cylinder, electronic controlled, fuel-injected turbocharged and aftercooled, EPA certified
Rating	275 hp (205 kW) @ 2400 rpm
Displacement	442 cu in. (7.2 L)
Torque	817 lb-ft (1,107 N.m) @ 1600 rpm
Fuel	Diesel, DF-2, JP-4, JP-8, VV-F-800
Oil	MIL-L-2104D, MIL-L-46167, 22 qt (21 L)
Allison MD 3070 PT	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-L46167, 31.8 qt (30 L)
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°
System	12/24 volt, EMI/HAEMP qualified, resettable circuit breakers, central power distribution panel
Alternator	100 amp, 12/24 volt, waterproof, EMI/RFI suppressed, (200 amp option)
Starter	24 volt waterproof
Michelin	395/85R20XML All-terrain
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
Eaton	Cab-mounted electronic controls, operable while driving highway, cross-country, air transport, sand/mud/snow and emergency modes
Interactive Electronic Technical Manuals (IETM)	Class V, intrusive diagnostics utilizing SAE J1708 / J1939 data buses to diagnose all (4) unique Electronic Control Modules (ECM)
Front	Parabolic-tapered leaf spring with hydraulic shock absorbers
Rear	Parabolic-tapered leaf spring with hydraulic shock absorbers and stabilizer bar
Internally	Air-transportable by C-130, C-141, C-17 and C-5A at GVW
Externally	Transportable by CH-47 and CH-53 helicopters
Optional	11,000 lb (4,990 kg) rating, 280 ft (85.3 m) line capacity, fore/aft recovery positions
Inside cargo bed	149" x 91" (3,784 x 2,314 mm)
Ladder	Integral, stowed
Construction	All steel, E-COAT rustproofing, dropside with side rail storage
Options	Troop seats, stowable composite; bows and tarp kit
Crane (optional)	Loads/unloads cargo bed and trailer, electric operation, 1,500 lb (6,800 kg) lift at 4 ft (1.2 m)