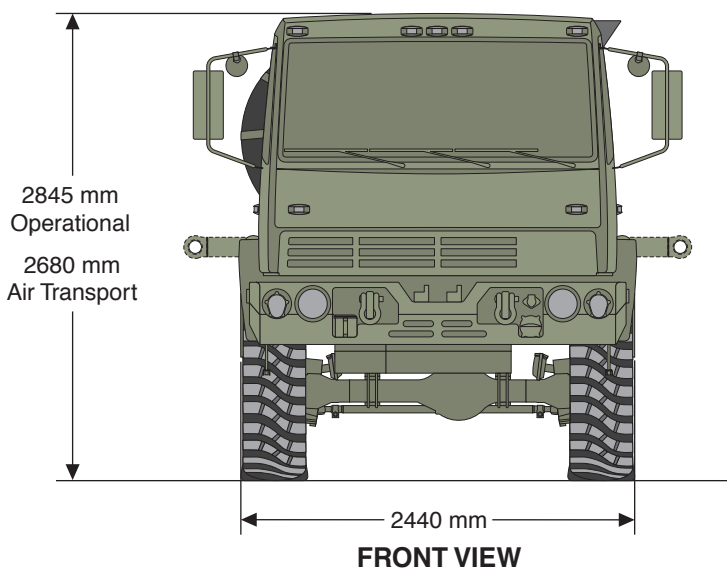


5.0 Ton Standard Cargo

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



Stewart & Stevenson®
Tactical Vehicle Systems, LP
5000 I-10 West Sealy, Texas 77474
Bus: (281) 856-0139 Fax: (713) 867-1518
www.ssss.com

Length	274"	(6,956 mm)
Width	96"	(2,440 mm)
Height	112"	(2,845 mm)
Operational	105.5	(2,680 mm)
For air transport	161"	(4,100 mm)
Loaded	22"	(559 mm)
Wheel Base	40° / 60°	
Ground Clearance	21,178 lb	(9,606 kg)
Approach / Departure Angle	10,000 lb (plus kits)	(4,536 kg)
Vehicle Curb Weight	21,000 lb	(9,526 kg)
Payload	Governed, at gross weight	58 mph (94 km/h)
Towed Load	58 gal. (219 L) nominal	300+mi (483+ km)
Maximum Speed	60% / 30%	
Range	Wall-to-wall	61.4' (18.7 m)
Maximum Grade / Side Slope	30"	(762 mm)
Turning Circle		
Fording		

Vehicle Characteristics

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

Equipment Specifications

Cab	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
Engine	Caterpillar 3126	Heavy duty diesel, 6-cylinder, electronic controlled, fuel-injected turbocharged and aftercooled, EPA certified
	Rating	330 hp (246 kW) @ 2400 rpm
	Displacement	442 cu in. (7.2 L)
	Torque	851 lb-ft (1,153 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)
Transmission	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-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
	Alternator	100 amp, 12/24 volt, waterproof, EMI/RFI suppressed, (200 amp option)
	Starter	24 volt waterproof
Tires	Michelin	395/85R20XML All-terrain
Brakes	Primary	Dual-circuit, four channel air, Anti-lock Braking System (ABS) with trailers
	Supplemental	ABS connectors for emergency towing
Central Tire Inflation System	Eaton	Air actuated, driver controlled exhaust brake
		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 utilizing SAE J1708 / J1939 data buses to diagnose all (4) unique Electronic Control Modules (ECM)
Suspension	Front	Parabolic-tapered leaf spring with 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" x 91" (4,318 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
Material Handling Equipment	Crane (optional)	Loads/unloads cargo bed and trailer, electric operation, 1500 lb (680 kg) lift at 4 ft (1.2 m)

