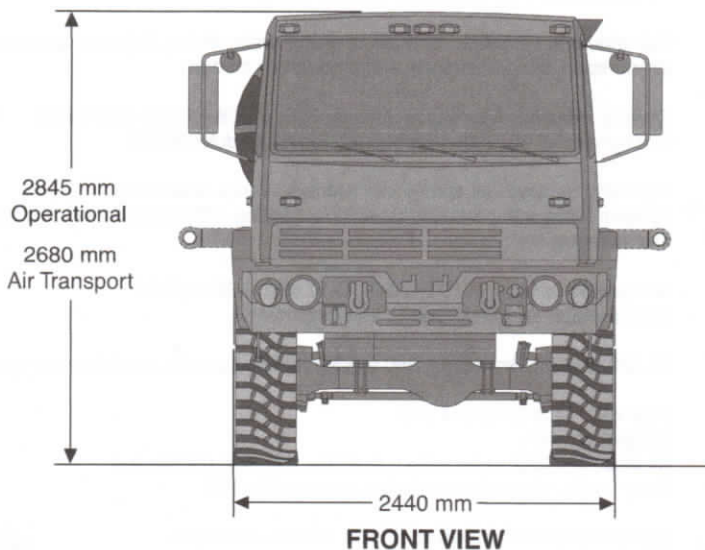


## 5.0 Ton Standard Cargo

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 Vehicle 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  
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**Capability, Reliability, Maintainability, Deployability**

M1083 A1

5.0 Ton Standard Cargo

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

|                           |                       |            |
|---------------------------|-----------------------|------------|
|                           | 274"                  | (6,956 mm) |
|                           | 96"                   | (2,440 mm) |
| Operational               | 112"                  | (2,845 mm) |
| For air transport         | 105.5                 | (2,680 mm) |
|                           | 161"                  | (4,100 mm) |
| Loaded                    | 22"                   | (559 mm)   |
|                           | 40° / 60°             |            |
|                           | 21,178 lb             | (9,606 kg) |
|                           | 10,000 lb (plus kits) | (4,536 kg) |
|                           | 21,000 lb             | (9,526 kg) |
| Governed, at gross weight | 58 mph                | (94 km/h)  |
| 58 gal. (219 L) nominal   | 300+mi                | (483+ km)  |
|                           | 60% / 30%             |            |
| Wall-to-wall              | 61.4'                 | (18.7 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  | 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)  |
| 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  |
| Supplemental                                    | ABS connectors for emergency towing<br>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  | Tandem axles with 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  | 15,500 lb (7,031 kg) rating, 280 ft (85.3 m) line capacity, fore/aft recovery positions   |
| 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  |
| Crane (optional)                                | Loads/unloads cargo bed and trailer, electric operation, 1500 lb (680 kg) lift at 4 ft (1.2 m)                                    |

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