

TXD 1148

9.0 ton Load Handling System

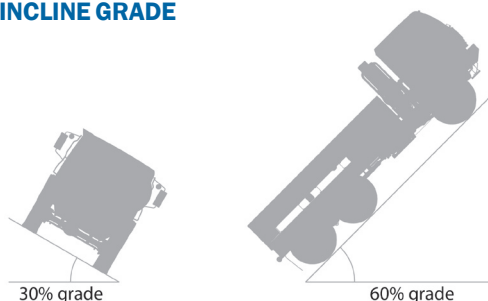
OVERVIEW

Used by the U.S. military for many years, these vehicles are considered the most sophisticated off-road, multi-purpose tactical vehicle in use, and are capable of operating anywhere in the world 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).

ENGINE OPTIONS

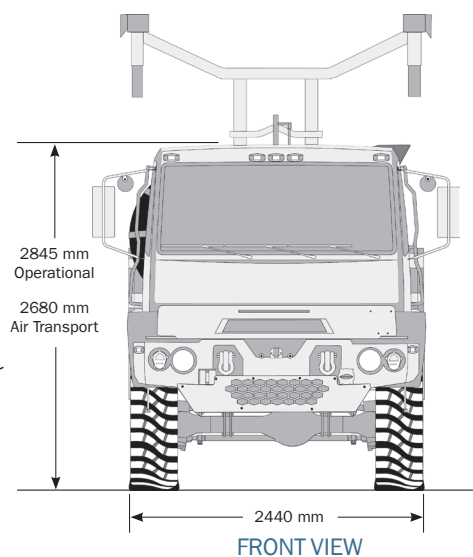
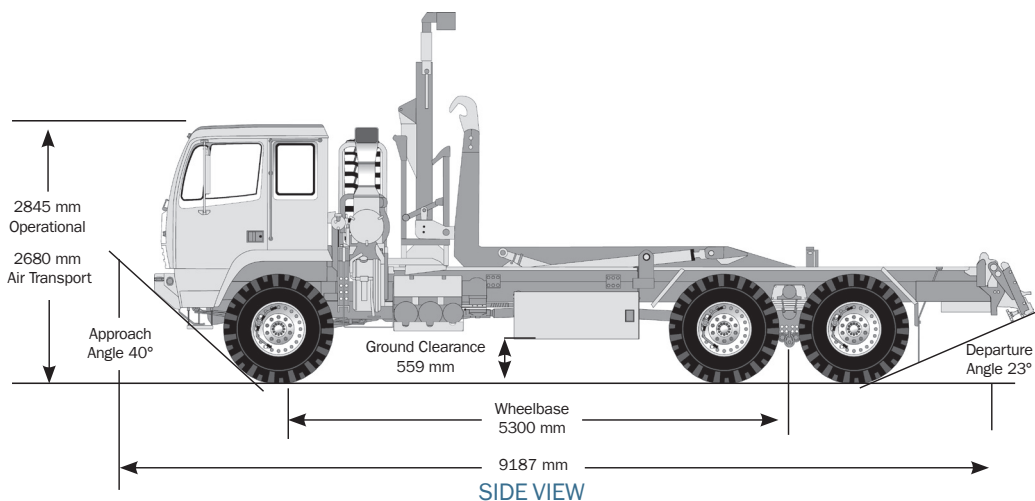
- Caterpillar C7
- Cummins ISB 2010
- CE compliant configuration available

INCLINE GRADE



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
- 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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VEHICLE SPECIFICATIONS

Length:	361.7 in (9,187 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	33 in (839 mm)
Wheel Base:	209 in (5,300 mm)
Ground Clearance:	
Loaded	22 in (559 mm)
Under Axle	14.4 in (365 mm)
Approach/Departure Angle:	40°/23°
Vehicle Curb Weight with Fuel:	25,049 lb (11,362 kg)
Payload, Lift Capacity:	17,640 lb (8,000 kg) plus kits
Towed Load, LHS Trailer:	27,117 lb (12,300 kg)
Maximum Speed:	
Governed, at Gross Weight	58 mph (94 km/h)
Range, 76 gal (295 L) nominal:	300+ mi (483+ km)
Maximum Grade/Side Slope:	60%/30%
Turning Circle:	
Curb-to-Curb	77 ft (23.5 m)
Wall-to-Wall	83 ft (25.3 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
Suspension	3-Point Rubber Isolator
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	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

Self Recovery Winch:
(Optional) 15,500 lb (7,031 kg) Rating, 280 ft (85.3 m) Line Capacity, Fore/Aft Recovery Position

LHS Capabilities:
Load/Unload a 20 ft Container onto LHS or LHS Trailer;
Allow 157.5 in (4 m) Clearance with 8 ft x 8 ft x 20 ft (2.4 m x 2.4 m x 6.1 m) ISO Container Mounted Compatible with U.S. Army Flatracks (M1, M3, M1077); Automatically Guides, Centers, and Secures Flatrack; Lift Frame is Stowed on the Vehicle

FOR MORE INFORMATION CONTACT:

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