

With up to 15,300 lbs. of off-road payload capacity, ACELA's 4x4 Monterra is the most capable, versatile and reliable wheeled vehicle solution available in the commercial market today, designed specifically to dramatically improve operational capabilities and job site productivity.



Originally designed for the U.S. Army for use in extreme terrain and weather conditions, the Monterra is outfitted with the industry's most dependable components and design features, including drivetrains, frames, axles, suspensions, and tires that were specifically designed to withstand the rigors of the harshest and most extreme terrains, including field combat, surface mining, pipeline construction, coastal restoration, and oil and gas exploration. For over 10 years, it has achieved the U.S. Army's coveted "ultra-reliability" certification. Simply put, the Monterra consistently outperforms every other wheeled vehicle in its class in virtually every environment.

When fully-loaded, the Monterra boasts a whopping 8-inches more ground clearance than any other truck in its class, providing access to areas where other trucks can't operate.

With all Monterra parts commercially available, ACELA's after-sales support is second to none. We're here to support your operation with our world-class technical expertise, and can provide same-day shipping of virtually any part.

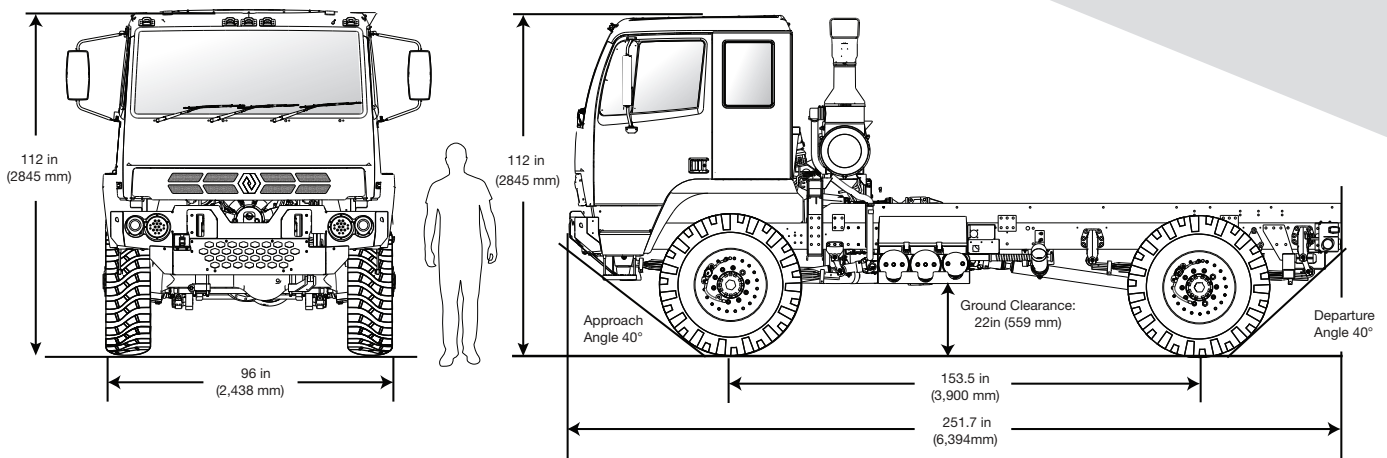
If you're ready for a dependable, proven, all-in-one job site solution that keeps your operations running smoothly, the ACELA Monterra is your only choice.

Key Features

- Full-Time All-Wheel Drive
- 330HP Caterpillar 7.2L Turbo-Charged Diesel Engine
- Allison Automatic 7-Speed Transmission
- Top Speed up to 74 MPH (119 km/h)
- Central Tire Inflation System (CTIS)
- Multiple 4x4 and 6x6 Variants with 80% Parts Commonality
- U.S. Army "Ultra-Reliable" Certification
- E-Coat Corrosion Protection

Popular Options

- High-Speed Gearing
- Air-Ride Seating
- 3-Person Cab
- Back-up Camera
- Back-up Alarm
- Trailer Tow Package



VEHICLE SPECIFICATIONS

Dimensional Data

Width	96 in	(2,438 mm)
Height	112 in	(2,845 mm)
Length	252 in	(6,401 mm)
Wheelbase	154 in	(3,912 mm)
Turning Radius	55.4 ft	(16.9 m)
Ground Clearance		
Loaded	22 in	(559 mm)
Under Axle	14.4 in	(365 mm)
Approach/Departure Angles*	40°/40°	
Curb Weight (with Fuel)	14,601 lb	(6,623 kg)
Maximum GVWR	23,600-29,900 lb	(10,705-13,562 kg)
Maximum Payload*	8,999-15,389 lb	(4,082-6,980 kg)
Maximum Towed Load	12,000 lb	(5,443 kg)
Maximum Speed (Standard Gearing)	58 MPH	(93 km/h)
<small>Optional 74MPH (120 km/h) High Speed Gears Available</small>		
Fuel Tank	58 gal	(220 L)
Range	400+ mi	(644+ km)
<small>Optional Long-Range Fuel Tanks Available</small>		
Maximum Grade/Side Slope	60% / 30%	
Water Fording Depth	30 in	(762 mm)

Transmission

Allison MD 3700-Series	Automatic, 7-speed, Electronically-Controlled
Full-Time AWD	Integral Transfer Case
Torque Split	Normal Operations: 30% Front / 70% Rear Off-Road Mode: 50% Front / 50% Rear
Lubricant	ATF, 31.8 qt (30 L)

Axles, Meritor RF-611 Series

Front	14,700 lb (6,668 kg) GAWR
Rear	19,000 lb (8,618 kg) GAWR
Locker	Automatic, Detroit Style, Rear Axle
Carrier	Single Reduction, Amboid-Gearing
Wheel End	Bevel Wheel End Reduction, Ratio 2:1
Final Gear Ratio	Standard: 3.90:1
<small>Optional: 3.07:1 Available</small>	
Front Axle Steering Angle	35°

Steering	Power Assisted, Recirculating Ball, Adjustable Tilt Wheel
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Suspension

Front	Parabolic-Tapered Leaf Springs with Hydraulic Twin-Tube Shock Absorbers
Rear	Parabolic-Tapered Leaf Springs with Hydraulic Twin-Tube Shock Absorbers and Stabilizer Bar

Brakes

Primary	Dual-Circuit, Four-Channel Air, Anti-Lock Braking System (ABS)
Supplemental	Air-Actuated, Driver Controlled Exhaust "Jake" Brake
Tires	46 in GoodYear MV/T, 14-Ply, 81-MPH-Rated, Load-Range G, Super-Singles (9,370 lb (4,250 kg) Max. load rating)

CTIS, Dana/Eaton

General	Cab-Mounted Electronic Controls, Operable While Driving in Highway, Cross-Country, Sand/Mud/Snow, and Emergency Modes
Pressure Range	14-95 PSI (1.5-6.6 Bar)

Electrical System

System	Dual Voltage, 12/24VDC, Central Power Distribution Panel
Alternator	100 amp, 12/24 volt, Waterproof, EMI/RFI Suppressed
Starter	24 VDC, Waterproof
Batteries	Dual 8D Commercial Batteries, CCA: 2700, CA 3380, 880A Load
Instrumentation	Can Bus-Driven Instrument Cluster
Exterior Lighting	C/FMVSS Compliant, Ships with Temp. Rear Lighting

EQUIPMENT SPECIFICATIONS

Cab (Extended)

General	Air Ride, Cab-Over Design
Trim	Commercial-Grade Trim Package, Heavy-Duty Heat and Sound Insulation
Entertainment	AM/FM/DVD 6.2" Touchscreen Stereo
Seating	2-person, Adjustable, Ergonomic, High-Back Seats
<small>*Air-Ride, 3rd Seating Position and other Seating Options Available</small>	

Engine

Caterpillar 3126 or C7	6-Cylinder, 7.2 L, Electronically Controlled, Fuel-Injected, Turbocharged and Aftercooled, EPA Certified
Rating	330 HP (246 kW) @ 2400 RPM
Displacement	441 cu in (7.2L)
Torque	860 ft-lb (1,166 Nm) @ 1440 RPM
Fuel Type	Diesel
Oil	15W40, 22 qt (21L)

*Model Dependant

Acela Truck Company

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