

With up to 31,100 lbs. of off-road payload capacity, ACELA's 6x6 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.

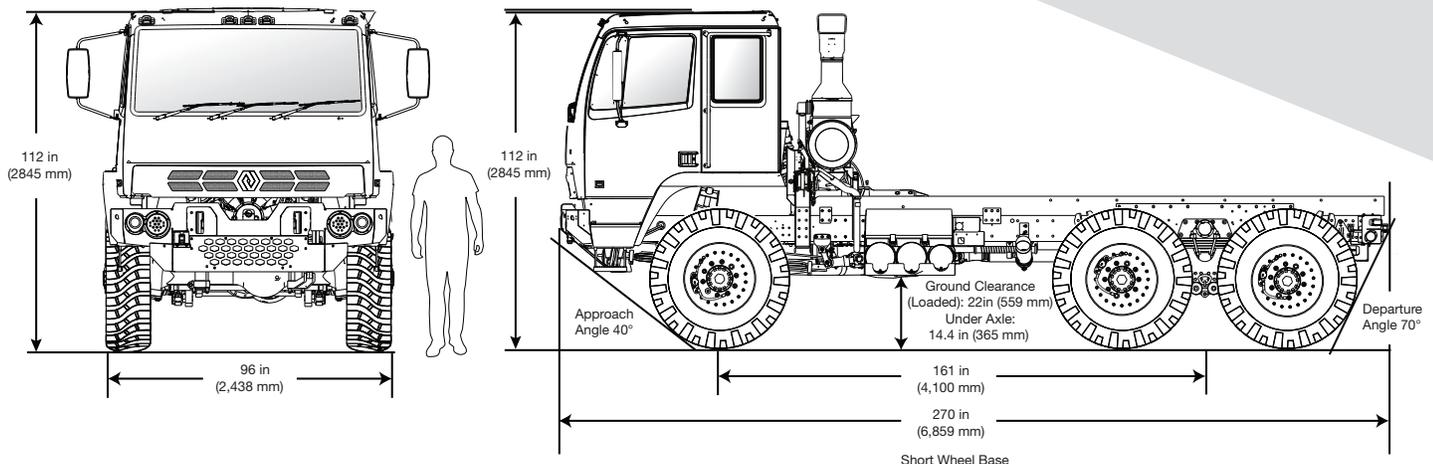
If you're ready for a dependable, proven, all-in-one job site solution that keeps your operations running smoothly, the ACELA Monterra is your only choice.

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	270 in	(6,858 mm)
	284 in	(7,214 mm)
	349 in	(8,865 mm)
Wheelbase	161 in	(4,100 mm) (SWB)
	177 in	(4,496 mm) (MWB)
	209 in	(5,309 mm) (LWB)
Turning Radius	56.4 ft	(17.2 m)
Ground Clearance	Loaded	22 in (559 mm)
	Under Axle	14.4 in (365 mm)
Approach/Departure Angles*	40°/70°	
Curb Weight (with Fuel)	18,446 lb	(8,367 kg)
Maximum GVWR	30,750-49,000 lb (13,498-22,226 kg)	
Maximum Payload*	12,304-31,180 lb (5,581-14,143 kg)	
Maximum Towed Load	21,000 lb (9,525 kg)	
Maximum Speed (Standard Gearing)	58 MPH	(93 km/h)
Maximum Speed (Optional High Speed Gearing)	74 MPH	(119 km/h)
Fuel Tank	58 gal	(220 L)
Range (Optional Long-Range Fuel Tanks Available)	400+ mi	(644+ km)
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	11,328-13,000 lb	(5,138-5,897 kg)
Intermediate	8,875-18,000 lb	(4,026-8,165 kg)
Rear	8,875-18,000 lb	(4,026-8,165 kg)

Locker	Automatic, Detroit Style, Int. Axle
Carrier	Single Reduction, Amboid-Gearing
Wheel End	Bevel Wheel End Reduction, Ratio 2:1
Final Gear Ratio	Standard: 3.90:1 Optional: 3.07:1 Available
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)
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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

*Air-Ride, 3rd Seating Position and other Seating Options Available

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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