

With up to 17,139 lbs. of off-road payload capacity, ACELA's 4x4 Monterra is the most capable, versatile, and reliable wheeled vehicle solution available on 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 weather and terrain 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, emergency response, and oil and gas exploration. For over 24 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 boats a whopping 8-inches more ground clearance than any other truck in its class, providing access to areas other trucks can't operate.

With all the Monterra's 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 any part.

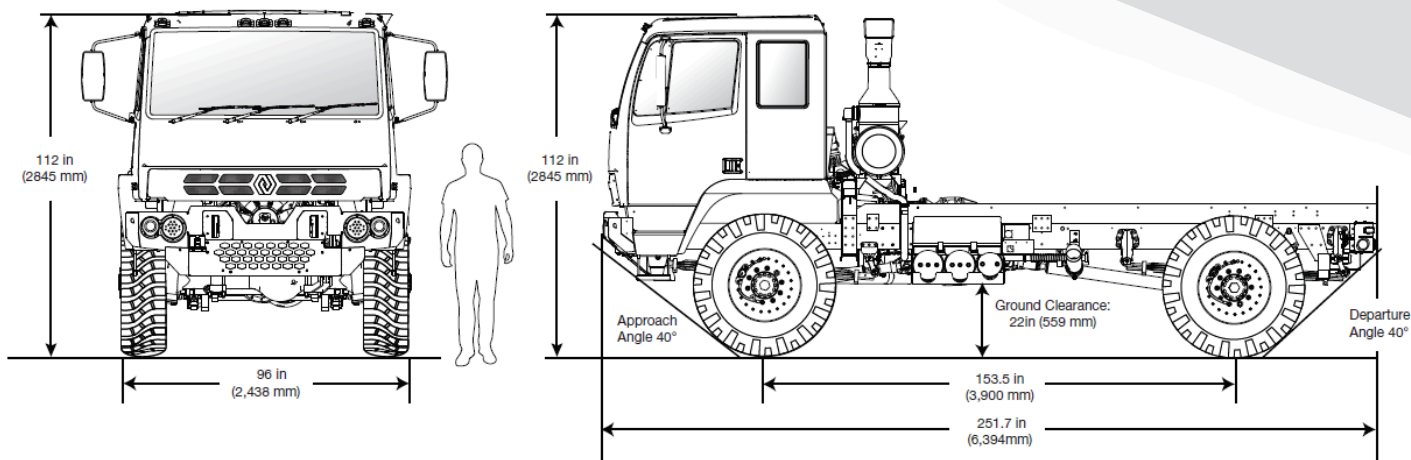
If you're ready for a dependable, proven, all-in-one jobsite solution that keeps your operations running smoothly, the ACELA Monterra is the only choice.

Key Features

- Full-Time All-Wheel Drive
- 330HP Caterpillar 7.2L Turbo-Charged Diesel Engine
- Allison Automatic 7-Speed Transmission
- Multiple 4x4 and 6x6 Variants with 90% Parts Commonality
- U.S. Army "Ultra-Reliable" Certification
- 22" Ground Clearance
- Air-Ride Seating

Popular Options

- High-Speed Gearing
- 3-Person Cab
- Back-up Camera
- Back-up Alarm
- Upfitter Switches
- Flood Rescue Body



VEHICLE SPECIFICATIONS

Dimensional Data

Width	96 in	(2,438 mm)
Height	112 in	(2,845 mm)
Pintle Height (Laden/Unladen)	33.5 / 36 in	(851 / 914 mm)
Length	252 in	(6,401 mm)
Wheelbase	153.5 in	(3,899 mm)
Cab to Axle ¹	107.2 in	(2,723 mm)
Turning Radius	55.4 ft	(16.9 m)
Ground Clearance		
Loaded	22 in	(559 mm)
Under Axle	14.4 in	(366 mm)
Approach/Departure Angles*	40° / 40°	
Curb Weight (with Fuel)*	14,601 lb	(6,623 kg)
GVWR*	23,000 - 32,000 lb	(10,433 - 14,514 kg)
Payload*	8,999 - 17,139 lb	(4,082 - 7,774 kg)
Maximum Towed Load	12,000 lb	(5,443 kg)
Maximum Speed (Standard Gearing)	58 MPH	(93 km/h)
Maximum Speed (Optional High-Speed Gearing)	68 MPH	(109 km/h)
Fuel Tank	58 gal	(220 L)
Range	400+ mi	(645+ km)
Maximum Grade/Side Slope	60% / 30%	60% / 30%

EQUIPMENT SPECIFICATIONS

Engine

Caterpillar 3126 / 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 (7.2 L)
Torque	860 ft-lb (1,166 Nm) @ 1440 RPM
Fuel Type	Diesel
Lubricant	15W40, Synthetic Blend

Transmission

Allison MD 3700/3070SP	Automatic, 7-speed, Electronically Controlled Power Take Off
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	18,740 lb	(8,500 kg) GAWR
Locker	Automatic Detroit Style, Intermediate Axle	
Carrier	Single Reduction, Amboid-Gearing Bevel	
Wheel End	Wheel End Reduction, Ratio 2:1	
Final Gear Ratio Optional 6.14:1 Available	Standard: 7.80:1	
Front Axle Steering Angle	35°	

Steering	Power Assisted, Recirculating Ball, Adjustable Tilt Wheel
Suspension	Parabolic-Tapered Leaf Springs with Hydraulic Twin-Tube Shock Absorbers
Brakes	
Primary	Dual-Circuit, Four Channel Air, Anti-Lock Braking System (ABS)
Supplemental	Air Actuated, Driver-Controlled Exhaust "Jake" Brake
Tires	46 in Military Tires 395/85R20
Spare	Rack-Mounted, Hydraulic Lift

Electrical

System	Dual Voltage, 12/24VDC, Central Power Distribution Panel
Alternator	24V/185A Alternator, 24V-12V/50A Converter/Battery Charge Controller 12V Output -- 100A (200A Optionally Available)
Starter	24 VDC, Waterproof
Batteries	(4) 6TL Commercial Batteries, 3000 CCA, 480 CA (Combined)

Cab

General	Extended Cab-Over Design
Trim	Commercial-Grade Trim Package, Heavy Duty Heat and Sound Insulation
Entertainment	AM/FM/XM Compatible 6.2" Touchscreen Stereo
Power	(2) 2.1A USB Power Ports, (1) 12VDC Cig. Style Plug
Seating	2-Person, Adjustable, High-Back, Air-Ride Seats (3-Person Optional)
Mechanical Access	Electric/Hydraulic Tilt
HVAC	47,000 BTU/Hr (13.8 kw) Heating Capacity 29,000 BTU/Hr (8.8 kw) Cooling Capacity Airflow 334 SCFM 9.5 m / min

*Model Dependent

¹Measured from Aft Lateral Frame Support to Center of Rear axles