

With 25,792 lbs. of off-road payload capacity, ACELA's extreme-duty, high-mobility 6x6 Tractor 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, coastal restoration, and oil and gas exploration. For over 17 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 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 any part.

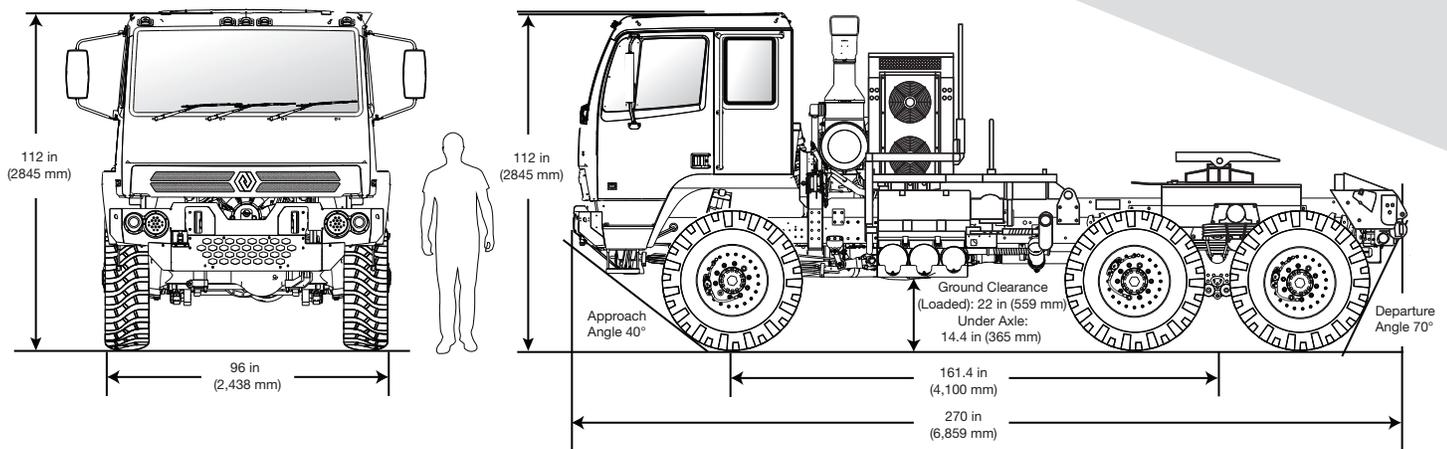
If you're ready for a dependable, proven, all-in-one job site solution that keeps your operations running smoothly, the ACELA Monterra is the only choice.

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)
- Multiple 4x4 and 6x6 Monterra Variants with 90% Parts Commonality
- U.S. Army "Ultra-Reliable" Certification
- 22" Ground Clearance
- Central Tire Inflation System (CTIS)
- Air-Ride Seating

Popular Options

- High-Speed Gearing
- 3-Person Cab
- Back-up Camera
- Back-up Alarm



VEHICLE SPECIFICATIONS

Dimensional Data

Width	96 in	(2,438 mm)
Height	112 in	(2,845 mm)
Pintle Height (Laden/Unladen)	33/36 in	(838/905 mm)
Length	270 in	(6,859 mm)
Wheelbase	161 in	(4,100 mm)
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)	19,654 lb	(8,915 kg)
GVWR	45,446 lb	(20,614 kg)
5th Wheel Vertical Load	25,000 lb	(11,340 kg)
Maximum Towed Load	63,000 lb	(28,576 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	300+ mi	(483+ km)
Maximum Grade/Side Slope	60% / 30%	
Water Fording Depth (Optional 50" Fording Kit Available)	30 in	(762 mm)

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	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	11,328 lb	(5,138 kg) GAWR
Intermediate	16,661 lb	(7,557 kg) GAWR
Rear	16,661 lb	(7,557 kg) GAWR
Locker	Automatic, Detroit Style, Rear Axle	
Carrier	Single Reduction, Amboid-Gearing Bevel	
Wheel End	Wheel End Reduction, Ratio 2:1	
Final Gear Ratio	Standard: 7.80:1	
Optional 6.14:1 Available		
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	46.6 in GoodYear MV/T, 14-Ply, 81 MPH-Rated, Load-Range G, Super-Singles (9,370 lb (4,250 kg) Max. load rating)	
Spare	Rack-Mounted, Hydraulic Lift	

Central Tire Inflation System (CTIS), Dana/Eaton

General	Cab-Mounted Electronic Controls, Operable While Driving in Highway, Cross-Country, Sand/Mud/Snow, and Emergency Modes
Pressure Range	17-85 PSI (1.1-6.6 Bar)

Electrical

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 Digital Instrument Cluster
Exterior Lighting	C/FMVSS Compliant, Ships with Temp. Rear Lighting

Cab

General	Extended Cab-Over Design
Trim	Commercial-Grade Trim Package, Heavy-Duty Heat and Sound Insulation
Entertainment	AM/FM/DVD 6.2" Touchscreen Stereo
Power	(2) 2.1A USB Power Ports, (1) 12VDC Cig. Style Plug
Seating	2-person, Adjustable, Ergonomic, High-Back Air-Ride Seats
Mechanical Access	Hydraulic Tilt
HVAC	47,000 BTU/Hr (13.8 kw) Heating Capacity 29,900 BTU/Hr (8.8 kw) Cooling Capacity Airflow 334 SCFM, 9.5 m³/min