

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 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.

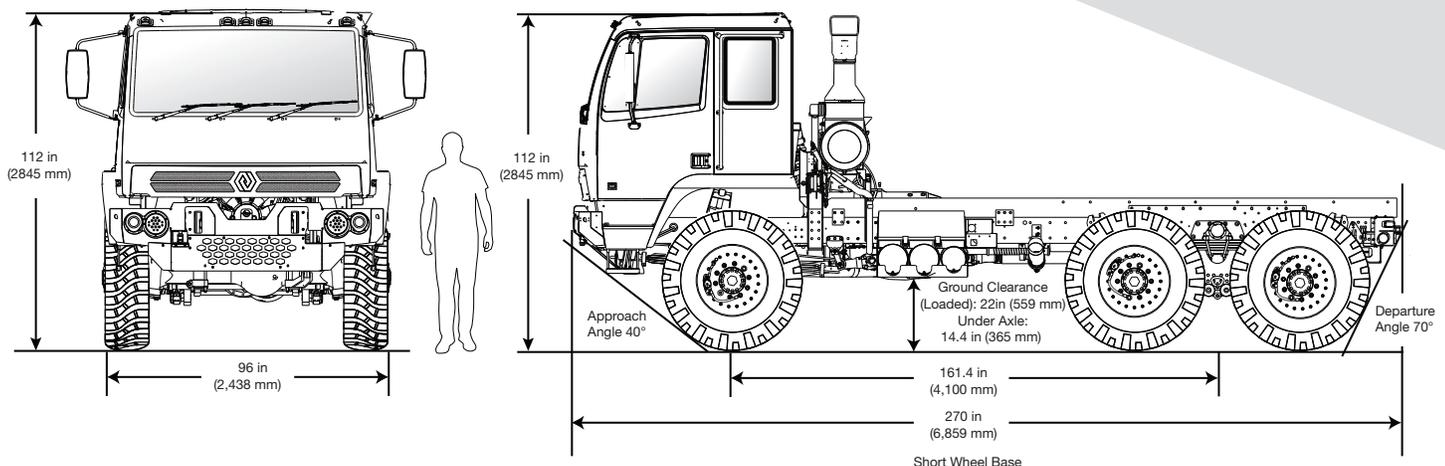
If you're ready for a dependable, proven, all-in-one jobsite solution that keeps your operations running smoothly, the ACELA Monterra is the only choice.

Key Features

- Full-Time All-Wheel Drive
- 330HP Caterpillar 7.2L Turbo-Charged Diesel Engine
- Allison Automatic 7-Speed Transmission
- Top Speed up to 74 MPH (119 km/h)
- Multiple 4x4 and 6x6 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) (SWB)
	349 in	(8,863 mm) (LWB)
Wheelbase	161 in	(4,100 mm) (SWB)
	201 in	(5,300 mm) (LWB)
Cab to Axle ¹	115.5 in	(2,934 mm) (SWB)
	163.1 in	(4,143 mm) (LWB)
Turning Radius	56.4 f.	(17.2 m) (SWB)
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	(8,915 kg)
GVWR*	30,750-49,000 lb	(13,948-22,226 kg)
Payload*	12,304-30,000 lb	(5,581-13,607 kg)
Maximum Towed Load	21,000 lb	(9,526 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	(645+ km)
Maximum Grade/Side Slope	60% / 30%	
Water Fording Depth (Optional 50" Fording Kit Available)	30 in	(762 mm)

Axles, Meritor RF-611 Series

Front	11,328-13,000 lb	(5,138-5,897 kg)	GAWR
Intermediate	8,875-18,000 lb	(4,026-8,165 kg)	GAWR
Rear	8,875-18,000 lb	(4,026-8,165 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
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Suspension	Parabolic-Tapered Leaf Springs with Hydraulic Twin-Tube Shock Absorbers
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Brakes	
Primary	Dual-Circuit, Four Channel Air, Anti-Lock Braking System (ABS)

Supplemental	Air Actuated, Driver-Controlled Exhaust "Jake" Brake
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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)
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Spare	Rack-Mounted, Hydraulic Lift
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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
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Pressure Range	17-85 PSI (1.1-6.6 Bar)
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Electrical System	Dual Voltage, 12/24VDC, Central Power Distribution Panel
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Alternator	100 amp, 12/24 volt, Waterproof, EMI/RFI Suppressed
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Starter	24 VDC, Waterproof
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Batteries	Dual 8D Commercial Batteries, CCA: 2700, CA 3380 880A Load
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Instrumentation	Can Bus-Driven Instrument Cluster
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Exterior Lighting	C/FMVSS Compliant, Ships with Temp. Rear Lighting
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Cab General	Extended Cab-Over Design
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Trim	Commercial-Grade Trim Package, Heavy-Duty Heat and Sound Insulation
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Entertainment	AM/FM/DVD 6.2" Touchscreen Stereo
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Power	(2) 2.1A USB Power Ports, (1) 12VDC Cig. Style Plug
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Seating	2-Person, Adjustable, High-Back, Air-Ride Seats (3-Person Optional)
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Mechanical Access	Hydraulic Tilt
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HVAC	47,000 BTU/Hr (13.8 kw) Heating Capacity 29,900 BTU/Hr (8.8 kw) Cooling Capacity Airflow 334 SCFM 9.5 m ³ /min
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*Model Dependant ¹Measured From Aft Lateral Frame Support To Center of Rear Axles

EQUIPMENT SPECIFICATIONS

Engine

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

Allison MD 3700/3070SP	Automatic, 7-speed, Electronically-Controlled, Power Take Off
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Full-Time AWD	Integral Transfer Case
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Torque Split	Normal Operations: 30% Front / 70% Rear Off-Road Mode: 50% Front / 50% Rear
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Lubricant	ATF, 31.8 qt (30 L)
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