

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, emergency response, and oil and gas exploration. For over 22 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.

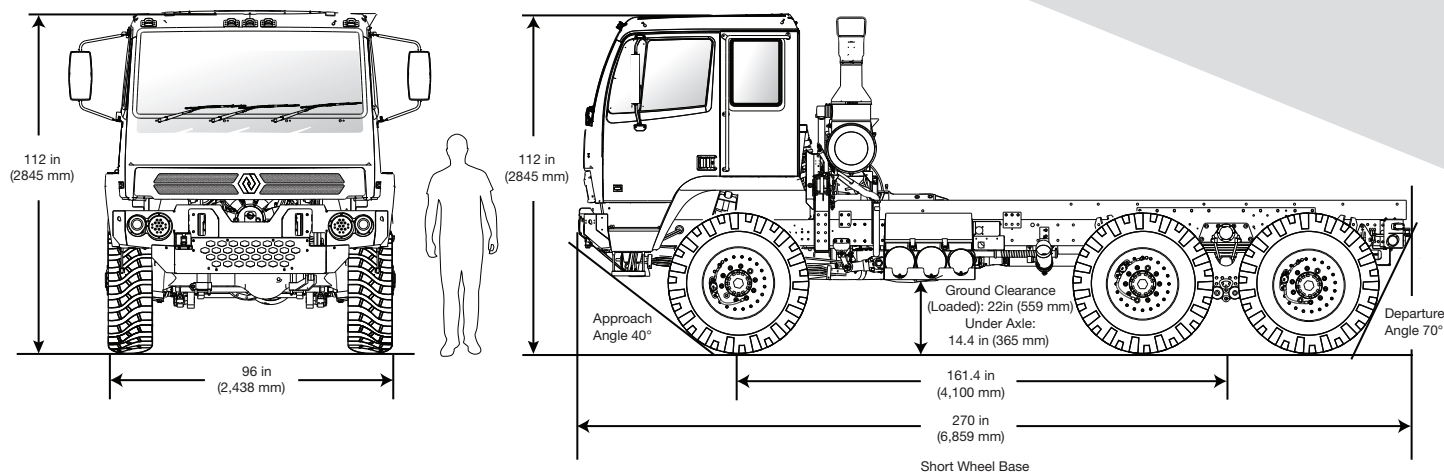
If you're ready for a dependable, proven, all-in-one jobsite solution that keeps your operations running smoothly, the ACELA Monterra is the only choice.

Key Features

- Full-Time All-Wheel Drive
- 330HP Caterpillar 7.2L Turbo-Charged Diesel Engine
- Allison Automatic 7-Speed Transmission
- 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
- Central Tire Inflation System (CTIS)
- Upfitter Switches
- Snow Plow
- Flood Rescue Body



VEHICLE SPECIFICATIONS

Dimensional Data

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|-------------------------------|------------------|--------------------|
| 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) |
| Cab to Axle ¹ | 115.5 in | (2,934 mm) |
| Turning Radius | 56.4 f. | (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 | (8,915 kg) |
| GVWR* | 30,750-44,650 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 | 58 MPH | (93 km/h) |
| (Standard Gearing) | | |
| Maximum Speed | 74 MPH | (119 km/h) |
| (Optional High Speed Gearing) | | |
| Fuel Tank | 58 gal | (220 L) |
| Range | 400+ mi | (645+ km) |
| Maximum Grade/Side Slope | 60% / 30% | |

Axles, Meritor RF-611 Series

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|---------------------------|---|-----------------|
| Front | 14,700 lb | (6,668 kg) GAWR |
| Intermediate | 16,661 lb | (7,557) kg GAWR |
| Rear | 16,661 lb | (7,557 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 | Standard: 7.80:1 | |
| Optional 6.14:1 Available | | |
| Front Axle Steering Angle | 35° | |

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|----------|---|
| 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

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| Primary | Dual-Circuit, Four Channel Air, Anti-Lock Braking System (ABS) |
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| Supplemental | Air Actuated, Driver-Controlled Exhaust "Jake" Brake |
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|-------|-----------------------------------|
| Tires | 46.6 in Military Tires 395/85-R20 |
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| Spare | Rack-Mounted, Hydraulic Lift |
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Central Tire Inflation System (CTIS) (Optional)

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| General | Cab-Mounted Electronic Controls, Operable While Driving in Highway, Cross-Country, Sand/Mud/Snow, and Emergency Modes |
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|----------------|-------------------------|
| Pressure Range | 17-90 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 | 24V/185A Alternator, 24V-12V/50A Converter/Battery Charge Controller *12V/100A Optionally Available |
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| Starter | 24 VDC, Waterproof |
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| Batteries | (4) 6TL Commercial Batteries, 3000 CCA, 480 CA (combined) |
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Cab

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| 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/XM Compatible 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 | Electric/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

¹ Measured From Aft Lateral Frame Support To Center of Rear Axles

EQUIPMENT SPECIFICATIONS

Engine

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| 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

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| 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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Acela Truck Company

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