

With up to 25,000 lbs. of payload capacity and a purpose-built 4x4 CrewCabPlus® design, **ACELA's** next-generation Monterra truck chassis represents an evolution in high-mobility, heavy-duty truck platforms engineered to deliver reliable performance in the most demanding environments.



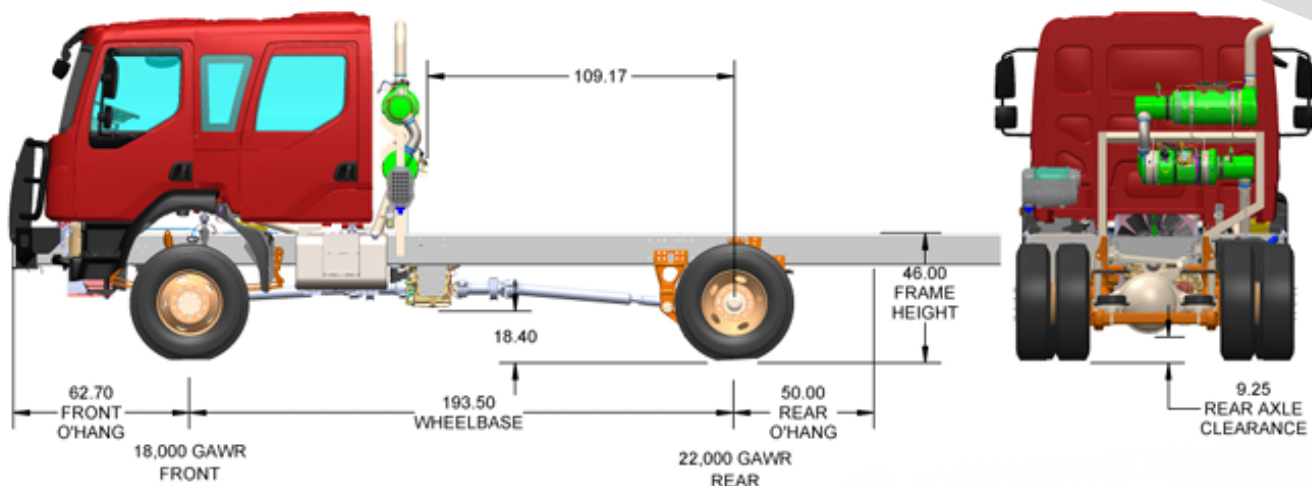
Inspired by the proven FMTV-based first generation Monterra, the new Monterra takes a forward-looking approach, built brand new with commercially available components, modern systems, and a CrewCabPlus configuration designed to support today's operational demands. Powered by the proven Cummins B6.7L engine and Allison 3,000-series automatic transmission, the Monterra delivers the durability, power, and control required for off-road, emergency response, utility, industrial and many other extreme-duty on-/off-highway applications.

Backed by **ACELA's** commitment to support and service ability, the **Monterra** provides a dependable, scalable solution for organizations that need capability, access, and long-term reliability—without compromise.

The Monterra is additionally available with day cab and extended cab configurations and with military axles and super-single military tires, with or without Central Tire Inflation System (CTIS)

Key Features

- Part Time 4x4 or 6x6
- Commercial or Military Super-Single Axles/Tires
- Single, Extended, or CrewCabPlusTM Cab Availability
- Upfitter Friendly:
 - Bare Frame Rails
 - Wire Chases Throughout Cab
 - Cab and Chassis Electrical and Canbus Access
- 4x4 – Up to 40,000 lbs. GVWR
- 6x6 – Up to 60,000 lbs. GVWR
- Rollover Mitigation and Survivability Features
 - Low Center of Gravity
 - Electronic Stability Control
 - Rolltek Availability



VEHICLE SPECIFICATIONS

Dimensional Data

Width	101 in	(2,560 mm)
Height	124 in	(3,150 mm)
Length	Various	
Wheelbase	Various	
Cab to Axle	Various	
Turning Radius	Various	
Ground Clearance		
Loaded	18.5 in	(470 mm)
Under Front Axle	12 in	(305 mm)
Under Rear Axle	9.5 in	(242 mm)
Approach/Departure Angles*	35° / 40°	
Curb Weight ^{(with Fuel)*}	15,000 lbs	(6,804 kgs)
GVWR*	40,000 lbs	(18,144 kgs)
Payload*	25,000 lbs	(11,340 kgs)
Maximum Towed Load	20,000 lbs	(9,072 kgs)
Maximum Speed (Standard Gearing)	74 MPH	(119 km/h)
Fuel Tank	80 gal	(303 L)
Maximum Grade/Side Slope	20% / 30%	

EQUIPMENT SPECIFICATIONS

Engine

CUMMINS B6.7L	6-Cylinder, 7.2 L, Electronically Controlled, Fuel-Injected, Turbocharged and Aftercooled
Rating	360 HP (269 kW) @ 2200 RPM
Displacement	408 cu in (6.7 L)
Torque	900 ft-lb @ 1440 RPM
Fuel Type	Diesel
Lubricant	10W30, Synthetic

Transmission

Allison 3000 EVS	Automatic, 6-speed, Electronically Controlled Power Take Off
Lubricant	40W SYNTHETIC 11 Quarts

Transfer Case

Meritor MTC-4210AC Remote Transfer Case, Part-Time 4x4

Axles (Standard, Commercial)

Front	MERITOR MX-18-120	18,000 lb	(8,165 kg) GAWR
Rear	MERITOR RS-23-185	22,000 lb	(9,979 kg) GAWR
Locker	Rear Axle Driver Controlled Diff Lock		
Carrier	Single Reduction Bevel		
Final Gear Ratio	Standard: 6.14:1		
Front Axle Steering Angle	41 Degrees		

*Also Available with Military Axles and Super-Single Tire Package

Steering

Power Assisted, Recirculating Ball, Adjustable Tilt Wheel, Dual Steering Gears

Suspension

Front	Henderson Parabolic Leaf Spring
Rear	Hendrickson Firemaxx Trailing Arm Air Suspension

Brakes

Primary	Dual-Circuit, Four Channel Air, Anti-Lock Braking System (ABS) with Electronic Stability Control
Supplemental	Air Actuated, Driver-Controlled Exhaust Compression Brake

Tires

315/80R-22.5, Michelin XDY

Electrical

System	12VDC, Central Power Distribution Panel
Alternator	12V/260AMP Alternator
Batteries	(2) Group 31 Batteries

Cab

General	4 Door Cab-Over Design (CrewCabPlus™)
Trim	Commercial-Grade Trim Package, Commercial Heat and Sound Insulation

HVAC

Heating Capacity	43,334 BTU/Hr (12.7 kw)
Cooling Capacity (Expandable)	27,638 BTU/Hr (8.8 kw)
Optional Rear Air Conditioner	6,820 BTU/Hr (2 kw)
Instrumentation	12" Digital Screen, 1,280 x 480 Resolution
Power	(2) USB-C Power Ports, (2) 12VDC Cigarette-Style Outlets (Batt. & Ign.)
Seating	2-5 Person, Adjustable, High-Back, Air-Ride Front Seats, High-Vis Seatbelts in All Positions
Entertainment	AM/FM/BT Compatible Stereo, 4 Speakers
Mechanical Access	Front Hood and Electric/Hydraulic Cab Tilt

*Model Dependent