



# MCI D4020 and D4520

Specification sheet.

An industry legend, modernized with next generation innovation and style.

# MCI® D4020 and D4520 technical specs.

Increased fuel economy. Enhanced passenger comfort.

Dimensions	40'	45'
Overall Length (bumper to bumper)	40' (12.22 m)	45.10' (13.84 m)
Wheelbase	246.26 (6.26 m)	315.00" (8.08 m)
Front Overhang	79.00" (1.93 m)	79.00" (1.93 m)
Rear Overhang	106.70" (2.68 m)	106.70" (2.68 m)
Overall Width	102.00" (2.59 m)	102.00" (2.59 m)
Overall Height	138.60" (3.48 m)	138.60" (3.48 m)
Interior Height	78.00" (1.99 m)	78.00" (1.99 m)
Front Track	84.84" (2.15 m)	84.84" (2.15 m)
Rear Track (drive)	75.38" (1.91 m)	75.38" (1.91 m)
Rear Track (trailing)	84.84" (2.15 m)	84.84" (2.15 m)
Turning Radius	33.75" (10.28 m)	41.90" (14.33 m)
Gross Vehicle Weight Rating	54,000 lb (24,494 kg)	54,000 lb (24,494 kg)
Luggage Compartment Volume*	438 cu ft (12.4 cu m)	560 cu ft (14.64 cu m)

## Safety + Performance

### Standard Equipment

- Electronic Stability Control (ESC)
- Automatic Traction Control (ATC)
- Disc brakes with 6 channel Antilock Braking System (ABS)
- Three-point passenger seat belts (multiple seat models available)
- Amerex fire detection and suppression
- SmartTire™ integrated tire pressure monitoring system with always-on sensors
- Tilt and telescoping steering wheel
- Cruise Control
- Electrically locking baggage compartments
- Electronically controlled high/low rise feature
- MCI® A/C compressor
- Davco Fuel Pro® filter with sight glass
- MP water circulating pump
- MCI exclusive spiral entrance stairway with aluminum step nosing & stainless-steel grab rails
- Passive steerable tag axle with unload feature

### Optional Equipment

- Eberspaecher auxiliary heater-42,000 BTU
- Bendix Fusion collision mitigation system
- Video surveillance systems
- 360° Camera system
- Sliding battery tray
- Curb lights

## Standard Equipment

Engine Options	Cummins X12 w/engine brake, 410 hp, 1,450 lb-ft torque
Transmission	Allison B500 Gen VI
Front Axle	ZF 17,000 lb (7,711 kg) with unitized wheel ends
Drive Axle	ZF 32,000 lb with pre-set wheel bearings
Tag Axle	ZF 16,500 lb (7,484 kg) with unitized wheel ends
Seating	56-passengers
Wheels	Hub-mounted steel, 22.5 x 9.0
Tires	Firestone FS400 315/80 R22.5 9.00" L-rated
Alternator	Delco Remy 55SI Dual 250A 24V
Brakes	Bendix ADB22X
Parking Brake	Spring brake on drive axle
Fuel System	200 US gal. usable volume (211 US gal. gross volume) High-density Polyethylene tank. 15 US gal. DEF tank capacity.
Body Type	Stainless-steel frame with high strength low alloy steel in suspension areas for higher strength and fatigue life
Exterior Skin	One piece bonded aluminum roof skin and composite exterior body panels
Baggage Doors	Underfloor pantograph-type composite baggage doors with central electrical locking system
Entrance Door	Air-operated bi-part style door
Electrical System	Parker Vansco fully multiplexed electrical system
Instrument Panel	Parker Vansco multi-function display including speedometer, oil pressure, water temperature, fuel level, voltmeter, air pressure and DEF (diesel exhaust fluid) level
Warning Lights	Real-time diagnostics of all operating systems
Cooling System	Below floor parallel radiator/charge air cooler module which quickly swings out for unrestricted service access
Fan System	Electrically driven fan array to maximize fuel efficiency and reliability
Steering System	Variable ratio power steering system
Suspension	Electrically controlled air suspension with high/low ride and kneeling functions
Batteries	Two 8D (1350 c.c.a. each)
Voltage	12 volt and 24 volt
Exterior Lights	12 volt LED, plus 90 mm halogen headlights

## Entertainment Systems & Digital Amenities

### Standard Equipment

REI audio/video system with dash mounted AM/FM/DVD/MP3/BT controller & six 15" LCD wide-screen monitors

### Optional Equipment

- Wireless microphone
- WiFi system
- 110V outlets with USB at each seat and 4000W Inverter
- Saucon asset tracking system

## Interior Design & Other Features

### Standard Equipment

- Chemical-type lavatory without sink
- Large open parcel racks with cords, individual overhead LED reading lights and airflow controls
- LED headlights

### Optional Equipment

- Rear-mounted Braun wheelchair lift with 2 wheelchair positions
- Parcel rack air conditioning
- Fabric interior packages
- Alcoa Durabrite® aluminum wheels
- Rear window