

# MCI® Commuter Coach



## Safer by Design

Ideal for higher-speed routes

High-floor design, rugged semi-monocoque structure

Above-traffic, forward-facing seating, advanced safety features offer riders, driver added security

## Low Cost of Ownership

Offers a highly competitive per-seat price, plus low cost of operation and the best mean distance between failure (MDBF) rate

## Increased Rider Satisfaction

Smooth, quiet ride

Individual reading lights and air vents

Optional amenities from Wi-Fi to power outlets

# MCI

Available in Diesel, Hybrid and CNG | Buy-America compliant, Altoona-tested

# MCI Commuter Coach Technical Specifications



Built for safety and comfort at highway speeds, the MCI Commuter, available in clean-diesel, hybrid or CNG, is strong and durable with a rugged semi-monocoque structure that elevates passengers and drivers above traffic, earning its position as the leader in Commuter Express Bus Service.

## Dimensions

<b>Overall Length (bumper to bumper)</b>	<b>D4500</b>	45.42 ft.	13.84 m
	<b>D4000</b>	40.50 ft.	12.34 m
<b>Wheelbase</b>	<b>D4500</b>	318.00 in	8.08 m
	<b>D4000</b>	279.00 in	7.09 m
<b>Front Overhang</b>		75.90 in	1.93 m
<b>Rear Overhang</b>	<b>D4500</b>	105.60 in	2.68 m
	<b>D4000</b>	83.49 in	2.12 m
<b>Overall Width</b>		102.00 in	2.59 m
<b>Overall Height</b>		137.00 in	3.48 m
<b>Interior Height</b>		78.25 in	2.08 m
<b>Front Track</b>		85.60 in	2.17 m
<b>Rear Track (drive)</b>		76.50 in	1.94 m
<b>Rear Track (trailing)</b>		85.60 in	2.17 m
<b>Turning Radius</b>	<b>D4500</b>	50.75 ft	15.47 m
	<b>D4500*</b>	47.00 ft	14.33 m
	<b>D4000</b>	44.70 ft	13.62 m
<small>*w/optional steerable tag axle</small>	<b>D4500</b>	50,000 lb	22,680 kg
<b>Gross Vehicle Weight</b>	<b>D4000</b>	46,000 lb	20,865 kg

## Standard Equipment

<b>Engine Options (2017 EPA Compliant)</b>	Cummins ISX 12 liter w/engine brake, 425hp, 1,450 lb-ft torque Cummins ISL 9 liter, 380hp (330hp-Hybrid) Cummins ISX G 12 liter w/engine brake, 400hp-CNG, 1,450 lb-ft torque w/ fuel system by Agility
<b>Transmission Options</b>	Allison B500 (ISX) Gen V Allison B500R with retarder (ISL) Gen V Allison Ep50 Electric Drive Propulsion System (Hybrid)
<b>Front Axle</b>	16,000 lb (7,257 kg) with conventional bearings
<b>Drive Axle</b>	22,500 lb (10,206 kg) with conventional bearings
<b>Tag Axle</b>	<b>D4500:</b> Meritor 14,000 lb (6,350 kg) <b>D4000:</b> Meritor 10,000 lb (4,536 kg)
<b>Seating</b>	<b>D4500:</b> 57-passengers <b>D4000:</b> 49-passengers
<b>Wheels</b>	Hub-mounted steel, 22.5 x 9.0
<b>Tires</b>	Michelin® XZA2 Energy315/80R22.5 9.00" wheel L-rated
<b>Alternator</b>	Delco Remy 50DN 270A 24V (ISL) Dual 150A 24V Denso (ISX)
<b>Brakes</b>	Meritor all-wheel EX-225 disc
<b>Parking Brake</b>	Spring brake on drive axle
<b>Fuel System</b>	164 U.S. gal. (Diesel) DOT 304 compliant capacity of 15.94 SCF (standard cubic feet), 114.6 DGE (diesel gas equivalent) at 3600 PSIG at 70°F (CNG)
<b>Body Type</b>	Stainless steel lower frame and high-tensile low-alloy steel in upper-body framing and high-stress areas
<b>Exterior Skin</b>	Bonded aluminum roof skin, fiberglass front & rear end caps, galvanized steel sidewalls
<b>Baggage Doors</b>	Underfloor pantograph-type with pneumatic lock and aluminum or stainless steel exterior skin
<b>Entrance Door</b>	Air-operated bi-part style door
<b>Electrical System</b>	Parker-Vansco fully multiplexed electrical system
<b>Gauges</b>	Multifunction Electronic Display including speedometer, oil pressure, water temperature, fuel level, voltmeter, air pressure and DEF (diesel exhaust fluid) level
<b>Warning Lights</b>	Real-time diagnostics of all operating systems
<b>Cooling System</b>	High-mounted, parallel radiator/charge air cooler module
<b>Fan Clutch</b>	Linnig electromagnetic, 3-speed
<b>Destination Sign</b>	Provisions for front, side and rear destination signs
<b>Steering System</b>	Integral power steering
<b>Suspension</b>	Air suspension with automatic mechanical leveling system
<b>Batteries</b>	Two 8D with threaded studs (1350 c.c.a. each)
<b>Voltage</b>	12 volt and 24 volt
<b>Exterior Lights</b>	12 volt LED, plus NEW 90 mm halogen headlights

## Safety & Performance

### Standard Equipment

Electronic Stability Control (ESC) on coaches with Allison B500 and B500R transmissions  
Automatic Traction Control (ATC)  
Disc Brakes with 6 channel Antilock Braking System (ABS)  
Three-point passenger seat belts (multiple seat models available)  
Amerex fire suppression system  
Methane Detection (CNG)  
Fully multiplexed solid-state electrical system  
Braun wheelchair lift with 2 wheelchair positions  
MCI® A/C compressor

### Optional Equipment

Steerable tag axle (D4500 only)  
Video surveillance  
SmartWave® integrated tire pressure monitoring system  
Meritor Wabco On-Guard collision mitigation system  
Brigade 360 degree camera system  
Sliding battery tray  
4 Group 31 batteries  
Curb lights

## Entertainment Systems & Digital Amenities

### Optional Equipment

REI Elite Audio/Video system with six 10" LCD wide-screen monitors  
Hands-free PA system  
2 Way Radio pre-wiring  
WiFi system  
110V outlets w/USB at seats  
Automatic stop announcement system  
Automatic passenger counter (APC)

## Other Features

### Standard Equipment

LED overhead reading lights and individual airflow controls  
Full-length open parcel racks  
Energy absorbing front and rear bumpers, 2" rub rails  
Fare-box mounting provisions including notched dash and below-floor HVAC system

### Optional Equipment

LED headlights  
Parcel rack air conditioning  
Enclosed parcel racks  
Stainless steel or painted exterior lower body panels  
5" rub rails  
Front or baggage bay mounted bicycle racks  
Lavatory  
I/O Controls G4 fully multiplexed electrical system  
Electric fan system for powertrain cooling (e-fans) in lieu of belt driven cooling fan.  
Alcoa Durabrite® aluminum wheels  
Aluminum fuel tank  
Air-operated sedan-style door  
Posi-lock fuel fill system

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