



MCI

SHOPS AT 108 N STATE BLOCK

The image shows a silver and black MCI Commuter Coach parked on a city street. The bus has 'MCI' written in large white letters on its side and front. It is positioned in front of a modern building with large glass windows. A street sign on the building reads 'SHOPS AT 108 N STATE BLOCK'. A traffic light and a street lamp are visible on the right side of the image.

MCI® D4500 and D4000

Commuter Coach

Specification sheet.

The MCI Commuter coach is built for safety and comfort at highway speeds and is available in clean diesel, battery electric, hybrid or CNG. It's 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.



MCI Commuter Coach

technical specs.

Dimensions

Overall Length (bumper to bumper)	D4500 D4000	45.42' 40.50'	13.84 m 12.34 m
Wheelbase	D4500 D4000	318.00" 279.00"	8.08 m 7.09 m
Front Overhang		75.90"	1.93 m
Rear Overhang	D4500 D4000	105.60" 83.49"	2.68 m 2.12 m
Overall Width		102.00"	2.59 m
Overall Height		137.00"	3.48 m
Interior Height		78.25"	1.99 m
Front Track		85.60"	2.17 m
Rear Track (drive)		76.50"	1.94 m
Rear Track (trailing)		85.60"	2.17 m
Turning Radius *w/optional steerable tag axle	D4500 D4500* D4000	50.75" 47.00" 44.70"	15.47 m 14.33 m 13.62 m
Gross Vehicle Weight Rating	D4500 D4000	50,000 lb 46,000 lb	22,680 kg 20,865 kg

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 detection and suppression

Methane Detection (CNG)

Rear Rise feature

MCI® A/C compressor

Davco® Fuel Pro Filter with sight glass

MP Water Circulating Pump

Tag axle unload feature

Optional Equipment

Steerable tag axle (D4500 only)

Koni shocks

SmarTire® integrated tire pressure monitoring system with always-on sensors

Video surveillance

Sliding battery tray

Meritor Wabco On-Guard collision mitigation system

ProHeat Auxiliary Heater-45,000 BTU

Brigade 360 degree camera system

4 Group 31 batteries

Curb lights

Entertainment Systems & Digital Amenities

Optional Equipment

REI Audio/Video system with six 10" LCD wide-screen monitors

Hands-free PA system

2 way radio pre-wiring

110V outlets with USB and 4000W inverter at each seat

Wi-Fi system

iPod & MP3 connection

Automatic stop announcement system

Automatic passenger counter (APC)

Standard Equipment

Engine Options	Cummins X12 w/engine brake, 410 hp, 1,450 lb-ft torque Cummins L9, 380hp (330hp - Hybrid) Cummins ISX 12N w/engine brake, 400 hp-CNG, 1,450 lb-ft torque w/ fuel system by Agility
Transmission	Allison B500 Gen V Allison B500R Gen V with retarder (L9) Allison Ep50 Electric Drive Propulsion System (Hybrid)
Front Axle	Meritor® 16,000 lb (7,257 kg) with conventional bearings
Drive Axle	Meritor® 22,500 lb (10,206 kg) with pre-set wheel bearings
Tag Axle	D4500: Meritor® 14,000 lb (6,350 kg) with conventional bearings D4000: Meritor® Swing Arm 10,000 lb (4,536 kg) with conventional bearings
Seating	D4500: 57 passengers D4000: 49 passengers
Wheels	Hub-mounted steel, 22.5 x 9.0
Tires	Michelin® XZA2 Energy 315/80R22.5 9.00" wheel L-rated
Alternator	Borg Warner 55SI Dual 250A 24V
Brakes	Meritor all-wheel EX-225 disc
Parking Brake	Spring brake on drive axle
Fuel System	Diesel: 164 U.S. gal. (620L) Diesel usable volume (173 U.S. gal gross volume) aluminum tank. 15 U.S. gal DEF capacity CNG: DOT 304-compliant capacity of 15.94 SCF (standard cubic feet), 114.6 DGE (diesel gas equivalent) at 3600 PSIG at 70°F
Body Type	Stainless-steel lower frame and high-tensile low-alloy steel in upper-body framing and high-stress areas
Exterior Skin	Bonded aluminum roof skin, fiberglass front and rear end caps, galvanized steel sidewalls
Baggage Doors	Underfloor pantograph-type with composite door frames, aluminum or stainless-steel skins, and pneumatic locking system
Entrance Door	Air-operated bi-part style door
Electrical System	Parker-Vansco fully multiplexed electrical system
Gauges	Parker Vansco multifunction electronic 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	High-mounted, parallel radiator/charge air cooler module
Fan System	Electrically driven fan system
Destination Sign	Provisions for front, side and rear destination signs
Steering System	Integral power steering
Suspension	Air suspension with automatic mechanical leveling system
Batteries	Two 8D with threaded studs (1350 c.c.a. each)
Voltage	12 volt and 24 volt
Exterior Lights	12 volt LED, plus 90 mm halogen headlights

Interior Design & Other Features

Standard Equipment

Braun wheelchair lift with 2 wheelchair positions

Individual overhead LED reading lights and airflow controls

Electric fan system for powertrain cooling (e-fans) in lieu of belt driven cooling fan

Full-length open parcel racks

Energy-absorbing front and rear bumpers, black rubber fender skirts and 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

Front or baggage-bay mounted bicycle racks

5" rub rails

sChemical-type lavatory without basin

I/O Controls G4 fully multiplexed electrical system

Alcoa Durabrite® aluminum wheels

Air-operated sedan-style door

Motor Coach Industries

200 East Oakton Street
Des Plaines, IL 60018

USA (866) MCICOACH (624.2622)
Canada (800) 624-8886
marketing@mcicoach.com

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Commuter CY2021