



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	45.42'	13.84 m
	D4000	40.50'	12.34 m
Wheelbase	D4500	318.00"	8.08 m
	D4000	279.00"	7.09 m
Front Overhang		75.90"	1.93 m
Rear Overhang	D4500	105.60"	2.68 m
	D4000	83.49"	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	50.75"	15.47 m
	D4500*	47.00"	14.33 m
	D4000	44.70"	13.62 m
Gross Vehicle Weight Rating	D4500	50,000 lb	22,680 kg
	D4000	46,000 lb	20,865 kg

Safety + Performance

Standard Equipment

Electronic Stability Control (ESC) on coaches with Allison B500 and B500R transmissions	Methane Detection (CNG)
	Rear Rise feature
Automatic Traction Control (ATC)	MCI® A/C compressor
Disc Brakes with 6 channel Antilock Braking System (ABS)	Davco® Fuel Pro Filter with sight glass
Three-point passenger seat belts (multiple seat models available)	MP Water Circulating Pump
Amerex fire detection and suppression	Tag axle unload feature

Optional Equipment

Steerable tag axle (D4500 only)	Meritor Wabco On-Guard collision mitigation system
Koni shocks	ProHeat Auxiliary Heater-45,000 BTU
SmarTire® integrated tire pressure monitoring system with always-on sensors	Brigade 360 degree camera system
Video surveillance	4 Group 31 batteries
Sliding battery tray	Curb lights

Entertainment Systems & Digital Amenities

Optional Equipment

REI Audio/Video system with six 10" LCD wide-screen monitors	Wi-Fi system
Hands-free PA system	IPod & MP3 connection
2 way radio pre-wiring	Automatic stop announcement system
110V outlets with USB and 4000W inverter at each seat	Automatic passenger counter (APC)

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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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. 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	5" rub rails
Parcel rack air conditioning	sChemical-type lavatory without basin
Enclosed parcel racks	I/O Controls G4 fully multiplexed electrical system
Stainless-steel or painted exterior lower body panels	Alcoa Durabrite® aluminum wheels
Front or baggage-bay mounted bicycle racks	Air-operated sedan-style door