



MCI® D4005 D4505

Specification sheet.

Reliable and economical, the 40- and 45-foot MCI D-Series coaches offer low-cost, high quality performance over and over again. Built with legendary MCI quality to deliver a unique combination of dependability and passenger comfort.



MCI D4005 D4505 technical specs.

Dimensions

Overall Length (bumper to bumper)	D4505 D4005	45.42' 40.50'	13.84 12.34 m
Wheelbase	D4505 D4005	318.00" 279.00"	8.08 m 7.09 m
Front Overhang		75.90"	1.93 m
Rear Overhang	D4505 D4005	105.60" 83.49"	2.68 m 2.12 m
Overall Width		102.00"	2.59 m
Overall Height	Standard Optional	137.00" 134.00"	3.48 m 3.40 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	D4505 D4505* D4005	50.75" 47.00" 44.70"	15.47 m 14.33 m 13.62 m
Gross Vehicle Weight Rating	D4505 D4005	50,000 lb 46,000 lb	22,680 kg 20,865 kg
Luggage Compartment Volume*	D4505 D4005	523 cu ft 431 cu ft	14.81 cu m 12.20 cu m

Safety + Performance

Standard Equipment

Electronic Stability Control (ESC)	Tilt and telescoping steering wheel
Automatic Traction Control (ATC)	Cruise Control
Disc brakes with 6 channel (4 channel on the D4005) Antilock Braking System (ABS)	Air-locking baggage compartments
Three-point passenger seat belts (multiple seat models available)	Rear rise feature
Amerex fire detection and suppression	MCI® A/C compressor
SmarTire® integrated tire pressure monitoring system with always-on sensors	Davco Fuel Pro® filter with sight glass
	MP water circulating pump
	Tag axle unload feature (D4505 only)

Optional Equipment

Steerable tag axle (D4505 only)	Video surveillance
Koni shocks	Brigade 360 degree camera system
Michelin XZA2 Energy tires, 315/80 R22.5 9.00" L-rated	Sliding battery tray
Proheat auxillary heater-45,000 BTU	4 Group 31 batteries
Meritor Wabco On-Guard collision mitigation system	Curb lights

Standard Equipment

Engine Options	Cummins X12 w/engine brake, 410 hp, 1,450 lb-ft torque
Transmission	Allison B500 Gen V
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	D4505: Meritor® 14,000 lb (6,350 kg) with conventional bearings D4005: Meritor® Swing Arm 10,000 lb (4,536 kg) with conventional bearings
Seating	D4505: 55-passengers D4005: 47-passengers
Wheels	Hub-mounted steel, 22.5 x 9.0
Tires	Firestone FS400 315/80 R22.5 9.00" 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	164 U.S. gal. (620L) usable volume (173 U.S. gal gross volume) composite tank. 15 U.S. gal DEF capacity.
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 & 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
Steering System	Integral power steering
Suspension	Air suspension with automatic mechanical leveling system
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 DVD & six 10" wide LCD monitors

Optional Equipment

Wireless microphone	110V outlets with USB at each seat and 4000W Inverter
2 way radio pre-wiring	Saucon asset tracking system
iPod & MP3 connection	
Wi-Fi system	

Interior Design & Other Features

Standard Equipment

Chemical-type lavatory without sink

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

New, larger parcel rack design with individual overhead LED reading lights and airflow controls

Optional Equipment

LED headlights	5" rub rails
Variety of passenger and driver seating options	Fabric interior packages
Braun wheelchair lift with 2 wheelchair positions	Stainless steel or painted exterior lower body panels
Parcel rack air conditioning	Alcoa Durabrite® aluminum wheels

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