MCI D-Series Technical Specifications

**The workhorse.** 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.

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### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>D4505</th>
<th>D4005</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length (bumper to bumper)</td>
<td>45.42 ft.</td>
<td>40.50 ft.</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>318.00 in.</td>
<td>279.00 in.</td>
</tr>
<tr>
<td>Front Overhang</td>
<td>75.90 in.</td>
<td>7.93 m</td>
</tr>
<tr>
<td>Rear Overhang</td>
<td>105.60 in.</td>
<td>2.68 m</td>
</tr>
<tr>
<td>Overall Width</td>
<td>102.00 in.</td>
<td>2.59 m</td>
</tr>
<tr>
<td>Overall Height</td>
<td>137.00 in.</td>
<td>3.48 m</td>
</tr>
<tr>
<td>Interior Height</td>
<td>78.25 in.</td>
<td>2.08 m</td>
</tr>
<tr>
<td>Front Track</td>
<td>85.60 in.</td>
<td>2.17 m</td>
</tr>
<tr>
<td>Rear Track (drive)</td>
<td>76.50 in.</td>
<td>1.94 m</td>
</tr>
<tr>
<td>Rear Track (trailing)</td>
<td>85.60 in.</td>
<td>2.17 m</td>
</tr>
<tr>
<td>Turning Radius</td>
<td>47.00 ft.</td>
<td>14.33 m</td>
</tr>
<tr>
<td>Gross Vehicle Weight</td>
<td>50,000 lb</td>
<td>22,680 kg</td>
</tr>
<tr>
<td>Luggage Compartment Volume*</td>
<td>517 cu ft</td>
<td>14.64 cu m</td>
</tr>
</tbody>
</table>

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### Standard Equipment

**Engine**

- 2013 EPA Cummins ISX 12L, 425 hp engine w/engine brake
  - **OPTIONAL:** Cummins ISL 9L, 380 hp engine w/transmission retarder

**Transmission**

- Gen V Allison B500 6-speed automatic transmission with prognostics capability (w/Cummins ISX)
  - **OPTIONAL:** Allison B500-R (w/Cummins ISL)
    - ZF AStronic

**Front Axle**

- Meritor® 16,000 lb (7,257 kg) with unitized wheel ends

**Drive Axle**

- Meritor® 22,500 lb (10,206 kg) with preset wheel bearings

**Tag Axle**

- D4505: Meritor 14,000 lb (6,350 kg) with unitized wheel ends;
- D4005: Meritor 10,000 lb (4,536 kg) with preset wheel bearings

**Seating w/lav**

- D4505: 55-passengers; D4005: 47-passengers

**Wheels**

- Hub-mounted steel, 22.5 x 9.0

**Tires**

- Michelin XZA2 Energy 315/80R22.5 9.00" wheel L-rated

**Alternators**

- Delco Remy 50DN 270A 24V (ISL) Dual 140A 24V
- Leece Neville (ISX)

**Brakes**

- Meritor all-wheel EX-225 disc

**Parking Brake**

- MGM spring brake on drive axle

**Fuel System**


**Body Type**

- Stainless steel lower frame and high-tensile low-alloy steel in upper-frame and high-stress areas

**Exterior Skin**

- Bonded aluminum roof skin, fiberglass front & rear end caps, galvanized steel sidewalls

**Baggage Doors**

- Underfloor pantograph-type with pneumatic lock and aluminum skin

**Entrance Door**

- Air-operated sedan-style door

**Electrical System**

- Fully multiplexed electrical system

**Gauges**

- Speedometer, oil pressure, water temperature, fuel level, voltmeter, air pressure and DEF (diesel exhaust fluid) level

**Cooling System**

- High-mounted, parallel radiator/charge air cooler module

**Fan Clutch**

- Linning electromagnetic, 3-speed

**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, except headlights

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### Safety & Performance

**Standard Equipment**

- Electronic Stability Control (ESC)
- Automatic Traction Control (ATC)
- Disc Brakes with 6 channel Antilock Braking System (ABS)
- Amerex fire detection and suppression
- Fully multiplexed solid-state electrical system
- SmartWave® integrated tire pressure monitoring system with always-on sensors
- Tilt and telescoping steering wheel
- Cruise Control
- Air-locking baggage compartments
- Rear Rise feature
- MCI A/C compressor
- Davco Fuel Pro® Filter with sight glass
- MP Water Circulating Pump

**Optional Equipment**

- Steerable tag axle (D4505 only)
- Tag axle unload feature
- Koni shocks
- Three-point passenger seat belts (multiple seat models available)
- Proheat Auxiliary Heater-45,000 BTU

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### Entertainment Systems & Digital Amenities

**Standard Equipment**

- Actia ACT 500/501 Audio/Video system with six 10" LCD wide-screen monitors

**Optional Equipment**

- iPod & MP3 connection
- Improved WiFi system
- 110 v outlets, throughout cabin or every seat; with optional inverter at 1500w or 3600w depending on the number of outlets installed
- Saucon asset tracking system & cellular Drive Cam

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### Interior Design & Other Features

**Standard Equipment**

- Chemical-type lavatory without basin
- Individual overhead reading lights and airflow controls
- LED exterior lighting

**Optional Equipment**

- Variety of passenger and driver seating options
- Braun wheelchair lift
- Large enclosed parcel racks with doors
- Fabric interior packages
- Stainless steel or painted exterior lower body panels
- Energy absorbing front & rear bumpers, black rubber fender skirts & rub rails
- Aluminum or Durabrite® wheels

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D-Series 13

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**Increased fuel economy.**

Low total cost of ownership.