# CHARLESTON

## 2009 Model Year

### XCR-Series Motorhome Chassis

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>BENEFIT</th>
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<tbody>
<tr>
<td>3-Year, 50,000-Mile Warranty</td>
<td>Best in The Industry</td>
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<tr>
<td>50,000 PSI Frame Rail</td>
<td>Solid Foundation</td>
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<tr>
<td>55-Degree Wheel Cut</td>
<td>Excellent Maneuverability</td>
</tr>
<tr>
<td>400 Dealers</td>
<td>Service Where You Need It</td>
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</table>

![Freightliner Logo](image)

**Driven By You**
**XCR SERIES**

### Engine
- **Cummins ISL turbocharged, aftercooled**
- 8.9 L electronic diesel
- 425 HP @ 2,200 rpm
- 1200 lb•ft (1627 N•m) @ 1,300 rpm

### Transmission
- **Allison 3000 MH six-speed automatic with lock up**
- Gear Ratios:
  - First: 3.49:1
  - Second: 1.86:1
  - Third: 1.41:1
  - Fourth: 1.00:1
  - Fifth: .75:1
  - Sixth: .65:1
  - Rev.: 5.03:1

### Vehicle Weight Ratings
- **Front GAWR**: 12,000 lb (5448 kg)
- **Rear GAWR**: 20,000 lb (9080 kg)
- **GVWR**: 32,000 lb (14,528 kg)
- **GCWR**: 42,000 lb (19,068 kg)

### Wheelbase
- 252 in (6400 mm)
- 266 in (6756 mm)

### Front Axle
- **Capacity**: 12,000 lb (5448 kg)
- **Track Width**: 82.89 in (2105 mm)

### Rear Axle
- **Drive Ratio**: 4.63:1
- **Capacity**: 20,000 lb (9080 kg)
- **Track Width**: 72.1 in (1830 mm)

### Brakes
- Full air brakes with auto slack adjusters and ABS
- Front Service: 15 x 4 in drum-style s-cam
- Rear Service: 16.5 x 7 in drum-style s-cam
- Parking: 16.5 x 7 in drum-style s-cam, Spring-applied air release

### Cooling System
- **Radiator Core**: 2 rows, 15 FPI, 1270 in 2 (8194 cm²) area
- **Radiator Type**: Cross-flow, rear-mounted
- **Charge Air Cooler**: Cross-flow, rear-mounted
- **Transmission Oil Cooler**: Remote-mounted water to oil
- **Fan**: Belt-driven with viscous fan clutch

### Electrical System
- **Alternator**: Delco Remy 160 amp
- **Starting**: Denso 12 volt
- **Battery**: Two 950 CCA @ 0°F (-18°C); maintenance-free

### Frame
- **Max Resist. Bending Moment**: 406,200 lb•in (45,900 N•m)
- **Max Frame Section**: 9.00 x 2.75 x .25 in (229 x 70 x 6.4 mm)
- **Fuel Tank**: 100gal (379 L) dual fill

### Steering System
- **Rating**: TRW THP 60, integral hydraulic power gear
- **Ratio**: 12,000 lb (5448 kg)
- **Pump**: 20.4:1
- **Wheel Cut**: Gear-driven
- **55°

### Suspension
- **Shock Absorber**: Neway air suspension (front and rear)
- **Heavy-duty Stabilizer Bar Dia**: Tuned shocks, Sachs
- **1.50 in (38 mm) (front)

### Tires
- **Michelin XZE 275/80R22.5 LRG

### Wheels
- 4 aluminum 2 steel 22.5 x 8.25 in (572 x 210mm)
- 10 bolt lugs 11.25 in (285.75 mm) diameter bolt center

### Instrumentation
- **Gauges**: speedometer, tachometer
- **engine oil pressure**, water temp, voltmeter
- **fuel level**, dual air pressure, turbo boost

For reference only. For certified dimensions, consult Freightliner Custom Chassis Corporation. Specifications are as of 4/01/08, and are subject to change without notice. Ratings are general guidelines. Illustrations may include optional equipment and accessories but may not include all standard equipment. To order more sales literature call 1-800-585-8831.