



# CHARLESTON

**2011 Model Year**

## **XCR-Series Tag Axle Motorhome Chassis**

### **FEATURE**

3-Year, 50,000-Mile Warranty  
50,000 PSI Frame Rail  
55-Degree Wheel Cut  
400 Dealers

### **BENEFIT**

Best in The Industry  
Solid Foundation  
Excellent Maneuverability  
Service Where You Need It



**Driven By You**



## CHARLESTON

### Custom Chassis Features

- 5-year, 100,000-mile coolant\*\*\*
  - TranSynd transmission fluid
  - Lowered engine
  - 18.7 CFM air compressor
  - Fuel/water separator
  - Farr Eco air cleaner
  - Air filter restriction indicator
  - 1000-watt block heater
  - Engine braking: compression brake 3,6
  - R-134A air conditioning compressor with condensor
  - Electronic cruise control with high idle
  - TRW infinitely adjustable tilt/telescoping steering column
  - Leather-wrapped VIP *Smart Wheel*, 18 in (457mm)
  - Suspended and adjustable pedals
  - Push button shift selector
  - Driver message center with intergral LCD display
  - Neway air ride suspension/Sachs tuned shock absorbers
  - Michelin XZE2 275/80R 22.5 LRG
  - Polished aluminum wheels with trim kit
  - Heater hose assembly to front of chassis
  - Bendix AD-9 heated air dryer
  - Automatic, heated moisture ejector
  - Air suspension deflation system
  - Daytime running lights
  - Tow power connector
- \* Towing capacity limited by towing components and their attachment to the frame. See operator's manual for braking requirements on towed vehicles
- \*\*\*Some maintenance required

*For reference only. For certified dimensions, consult Freightliner Custom Chassis Corporation. Specifications are as of 6/16/10, 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.*



**Driven By You**

## XCR-SERIES TAG AXLE

|                               |   |
|-------------------------------|---|
| <b>Engine</b>                 | Cummins ISL turbocharged, aftercooled<br>8.9 L electronic diesel<br>450 HP @ 2,100 rpm<br>1250 lb•ft @ 1,400 rpm  |
| <b>Transmission</b>           | Allison 3000 MH six-speed automatic with lock up<br>Gear Ratios<br><u>First</u> <u>Second</u> <u>Third</u> <u>Fourth</u> <u>Fifth</u> <u>Sixth</u> <u>Rev.</u><br>3.49:1 1.86:1 1.41:1 1.00:1 .75:1 .65:1 5.03:1                                  |
| <b>Vehicle Weight Ratings</b> | Front GAWR 12,350 lb (5607 kg)<br>Rear GAWR 20,000 lb (9080 kg)<br>Tag GAWR 10,000 lb (4540 kg)<br>GVWR 42,350 lb (19,227 kg)<br>GCWR* 52,350 lb (23,767 kg)  |
| <b>Wheelbase</b>              | 266 in (6756 mm)  |
| <b>Front Axle</b>             | I-Beam, wide track<br>Capacity 12,400 lb (5630 kg)<br>Track Width 82.89 in (2105 mm)  |
| <b>Rear Axle</b>              | Drive Ratio 4.63:1<br>Capacity 20,000 lb (9080 kg)<br>Track Width 72.1 in (1830 mm)   |
| <b>Tag Axle</b>               | Ingersoll IMT F 12 drop center<br>Capacity 10,000 lb (4540 kg)<br>Track Width 85 in (2159 mm)   |
| <b>Brakes</b>                 | Full air brakes with auto slack adjusters and ABS<br>Front Service 17 in disc brakes<br>Rear Service 16.5 x 7 in drum-style s-cam<br>Parking 16.5 x 7 in drum-style s-cam Spring-applied air release  |
| <b>Cooling System</b>         | Radiator Core 2 rows, 15 FPI, 1335 in <sup>2</sup> area<br>Radiator Type Cross-flow, rear-mounted<br>Charge Air Cooler Cross-flow, rear-mounted<br>Transmission Oil Cooler Remote-mounted water to oil<br>Fan Belt-driven with viscous fan clutch |
| <b>Electrical System</b>      | Alternator Delco Remy 160 amp<br>Starting Denso 12 volt<br>Battery Two 950 CCA @ 0°F (-18°C); maintenance-free  |
| <b>Frame</b>                  | Raised frame rail with lowered rear section<br>Max Resist. Bending Moment 406,200 lb•in (45 900 N•m)<br>Max Frame Section 9.00 x 2.75 x .25 in (229 x 70 x 6.4 mm)  |
| <b>Fuel Tank</b>              | 100gal (379 L) dual fill  |
| <b>Steering System</b>        | TRW THP 60, integral hydraulic power gear<br>Rating 12,400 lb (5630 kg)<br>Ratio 20.4:1<br>Pump Gear-driven<br>Wheel Cut 55°  |
| <b>Suspension</b>             | Front Neway AS 120 air suspension<br>Rear Neway AD 123 air suspension<br>Tag Neway NL 110 air suspension<br>Shock Absorber Tuned shocks, Sachs  |
| <b>Tires</b>                  | Michelin XZE2 275/80R22.5 LRG   |
| <b>Wheels</b>                 | 4 aluminum 2 steel 22.5 x 8.25 in (572 x 210mm) with 10 bolt lugs 11.25 in (285.75 mm) diameter bolt center   |
| <b>Instrumentation</b>        | Gauges: speedometer • tachometer<br>• engine oil pressure • water temp • voltmeter<br>• fuel level • dual air pressure • turbo boost  |