CHARLESTON

2013 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 condenser
- Electronic cruise control with high idle
- TRW infinitely adjustable tilt/telescoping steering column
- Leather-wrapped VIP Smart Wheel, 18 in (457 mm)
- Suspended and adjustable pedals
- Push button shift selector
- Driver message center with integral 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

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**XCR-SERIES TAG AXLE**

**Engine**

- Cummins ISL turbocharged, aftercooled
- 8.9 L electronic diesel
- Peak HP: 450 HP @ 2,100 rpm
- Peak Torque: 1250 lb-ft @ 1,400 rpm

**Transmission**

- Allison 3000 MH six-speed automatic with lock up

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**Vehicle Weight Ratings**

- Front GAWR: 12,350 lb (5607 kg)
- Rear GAWR: 20,000 lb (9080 kg)
- Tag GAWR: 10,000 lb (4540 kg)
- GVWR: 42,350 lb (19,227 kg)
- GCWR: *52,350 lb (23,767 kg)

**Wheelbase**

- 266 in (6756 mm)

**Front Axle**

- I-Beam, wide track
- Capacity: 12,400 lb (5630 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)

**Tag Axle**

- Capacity: 10,000 lb (4540 kg)
- Track Width: 85 in (2159 mm)

**Brakes**

- Full air brakes with auto slack adjusters and ABS
- Front Service: 17 in disc brakes
- 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, 1335 in ² 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: 50 ksi.
- 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
- 12,400 lb (5630 kg)
- Ratio: 20.4:1
- Pump: Gear-driven
- Wheel Cut: 55°

**Suspension**

- Front: Neway AS 120 air suspension
- Rear: Neway AD 123 air suspension
- Tag: Neway NL 110 air suspension
- Shock Absorber: Tuned shocks, Sachs

**Tires**

- Michelin XZE2 275/80R22.5 LRG

**Wheels**

- 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

**Instrumentation**

- Gauges: speedometer • tachometer • engine oil pressure • water temp • voltmeter • fuel level • dual air pressure • turbo boost

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For reference only. For certified dimensions, consult Freightliner Custom Chassis Corporation. Specifications areas of 08/13/12, 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.