CHARLESTON

2012 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 (457mm)
- 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

XCR-SERIES TAG AXLE

**Engine**  
Cummins ISL turbocharged, aftercooled  
8.9 L electronic diesel  
450 HP @ 2,100 rpm  
1250 lb•ft @ 1,400 rpm

**Transmission**  
Allison 3000 MH six-speed automatic with lock up  
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 12,350 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**  
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**  
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 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 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

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.