



MANDALAY

2009 Model Year

XCR-Series Tag Axle Motorhome Chassis

FEATURE

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

BENEFIT

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



Driven By You



MANDALAY

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 in-block engine heater
- Engine craking: compression brake by Jacobs (3,6)
- R-134A air conditioning compressor with condensor
- Electronic cruise control with high idle
- VIP leather-wrapped *Smart Wheel*, 18 in (457 mm)
- TRW infinitely adjustable tilt/telescoping steering column
- Suspended & adjustable pedals
- Push button shift control
- Driver message center with integral LCD display
- 5" gauge package
- ZF- IFS (front) Neway ADL (rear) air ride suspension/tuned Sachs shock absorbers
- Goodyear G670 RV 295/80R 22.5 LRH tires
- Polished aluminum wheels with trim kit
- Heater hose assembly to front of chassis
- Haldex PURest 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 vehicle

***Some maintenance required

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.



Driven By You

XCR-SERIES TAG AXLE

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 <u>First</u> <u>Second</u> <u>Third</u> <u>Fourth</u> <u>Fifth</u> <u>Sixth</u> <u>Rev.</u> 3.49:1 1.86:1 1.41:1 1.00:1 .75:1 .65:1 5.03:1
Vehicle Weight Ratings	Front GAWR 14,600 lb (6628 kg) Rear GAWR 20,000 lb (9080 kg) Tag GAWR 10,000 lb (4540 kg) GVWR 44,600 lb (20,248kg) GCWR * 54,600 lb (24,788 kg)
Wheelbase	276 in (7010 mm)
Front Axle	ZF - RL67EM independent front suspension Capacity 14,600 lb (6628 kg) Track Width 84.3 in (2141 mm)
Rear Axle	Meritor RS-21-145 Drive Ratio 4.63:1 Capacity 21,000 lb (9534 kg) Track Width 72.1 in (1830 mm)
Tag Axle	Ingersol-IMT F12 drop center 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 dia air disc Rear/Tag 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, 14 FPI 1,260 in ² (8129 cm ²) area Radiator Type Cross-flow, side-mounted Charge Air Cooler Cross-flow, side-mounted Transmission Oil Cooler Water-to-oil Fan Variable speed, hydraulic
Electrical System	Alternator Delco Remy 160 amp Starting Denso, 12 volt Battery Two 950 CCA @ 0°F (-18°C); maintenance-free
Frame	Raised frame rail with lowered rear section 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	150 gal (568 L), dual fuel fill
Steering System	ZF - 8018, integral hydraulic power gear Rating 14,600 lb (6628 kg) Ratio 19.3:1 to 22.7:1 Pump Gear-driven Wheel Cut 60°
Suspension	ZF - RL67EM IFS air (front) Neway ADL air (rear) Shock Absorber Tuned Sachs shock, absorbers
Tires	Goodyear G670 RV 295/80R 22.5 LRH
Wheels	6 aluminum 2 steel 22.5 x 8.25 in (572 x 210 mm) with 10 bolt lugs 11.25 in (285.25 mm) diameter bolt center
Instrumentation	Gauges • speedometer • tachometer • engine oil pressure • water temperature • voltmeter • fuel level • dual air pressure • transmission temperature