



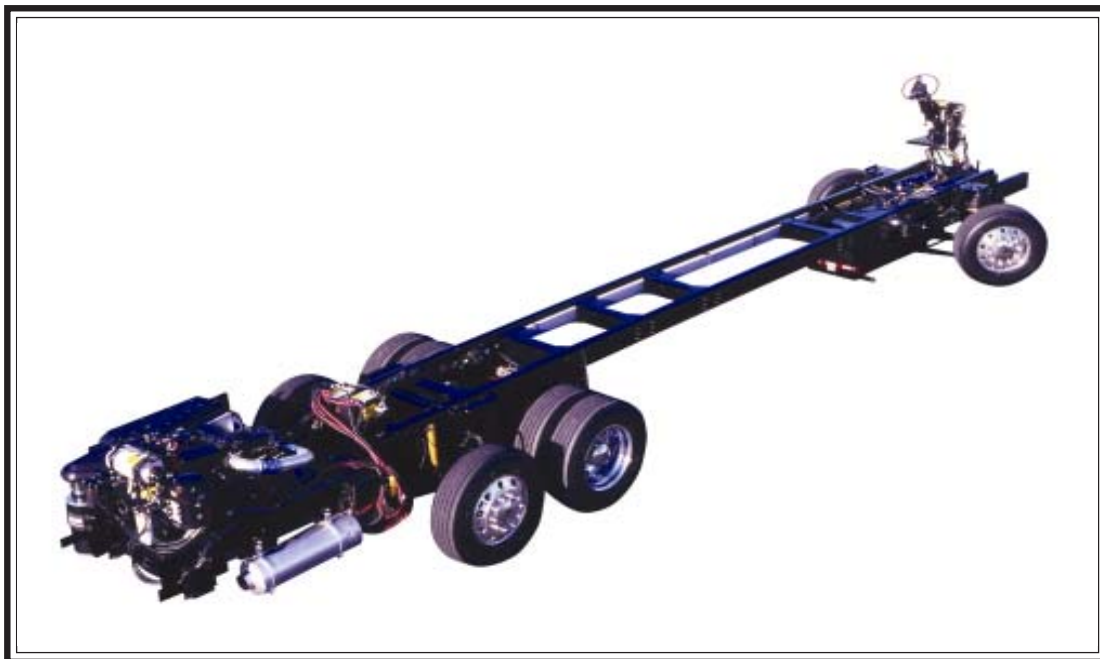
# XCR- Series Tag Axle Motorhome Chassis

## **FEATURE**

## **BENEFIT**

- |                                      |                           |
|--------------------------------------|---------------------------|
| ■ 3 Year, 50,000 Mile Warranty ..... | Best in The Industry      |
| ■ 50,000 PSI Frame Rail .....        | Solid Foundation          |
| ■ 60 Degree Wheel Cut .....          | Excellent Maneuverability |
| ■ 400 Dealers .....                  | Service Where You Need It |

2008 MODEL YEAR



# **Mandalay**

by Mandalay Luxury Division

**Mandalay  
by Mandalay Luxury  
Division  
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 Braking: 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 intergral LCD display
  - 5" gauge package
  - ZF- IFS (front) Neway ADL (rear) air ride suspension/Custom tuned Sachs shock absorbers
  - Michelin XZA 3 275/80R 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
  - Day Time running lights
  - Tow power connector
- \* Towing capacity limited by towing components and their attachment to the frame. See operators 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 4/05/07, 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.*



**XCR-SERIES TAG AXLE**

<b>Engine</b> Peak Hp Peak Torque	Cummins ISL turbocharged, aftercooled, 8.9 L electronic diesel 425 Hp @ 2,200 rpm 1200 lb•ft (1627 N•m) @ 1,300 rpm
<b>Transmission</b> Gear Ratios:	Allison 3000MH six-speed automatic with lock up First Second Third Fourth Fifth Sixth Rev. 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 Rear GAWR Tag GAWR GVWR GCWR *	14,320 lb (6501 kg) 20,000 lb (9080 kg) 10,000 lb (4540 kg) 44,320 lb (20 121kg) 54,320 lb (24 661 kg)
<b>Wheelbase</b>	276 in (7000 mm)
<b>Front Axle</b> Capacity Track Width	ZF - RL67EM Independent Front Suspension 14,600 lb (6628 kg) 84.3 in (2141 mm)
<b>Rear Axle</b> Drive Ratio Capacity Track Width	Meritor RS-21-145 4.63:1 21,000 lb (9534 kg) 72.1 in (1840 mm)
<b>Tag Axle</b> Capacity Track Width	Neway NL-110 Non steerable with load control 10,000 lb (4540 kg) 85 in (2159 mm)
<b>Brakes</b> Front Service Rear/Tag Service Parking	Full air brakes with ABS 17 in. dia. Air Disc 16.5 x 7 in. drum-style S-cam & auto slack adjusters 16.5 x 7 in. drum-style (rear axle) Spring-applied air release
<b>Cooling System</b> Radiator Core Radiator Type Charge Air Cooler Transmission Oil Cooler Fan	2 rows, 14 FPI 1,260 in <sup>2</sup> (8129 cm <sup>2</sup> )area Cross-flow, side mounted Cross-flow, side mounted Water-to-oil Variable speed, hydraulic
<b>Electrical System`</b> Alternator Starting Battery	Leece-Neville 170 amp Denso, 12 volt Two 950 CCA @ 0°F (-18°C); maintenance-free
<b>Frame</b> Max Resist. Bending Moment Max Frame Section	Raised Frame Rail with Lowered Rear Section 291,000 lb•in (32 892 N•m) 9.00 x 2.75 x .25 in (229 x 70 x 4.8 mm)
<b>Fuel Tank</b>	150 gal (568 L), dual fuel fill
<b>Steering System</b> Rating Ratio Pump Wheel Cut	ZF - 8018, integral hydraulic power gear 14,600 lb (6628 kg) 19.3:1 to 22.7:1 Gear-driven 60°
<b>Suspension</b> Shock Absorber	ZF - RL67EM IFS air (front) Neway ADL air (rear) Custom Tuned Sachs shock absorbers
<b>Tires</b>	Michelin XZA 3 275/80R 22.5 LRH
<b>Wheels</b>	6 aluminum 2 steel 22.5 x 8.25 in (522 x 210 mm) with 10 bolt lugs 11.25 in (285.25 mm) diameter bolt center
<b>Instrumentation</b>	Speedometer • Tachometer • Engine Oil Pressure • Water Temp • Voltmeter • Fuel Level • Dual Air Pressure • Transmission Temp