XCR- Series 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

2007 MODEL YEAR

Mandalay
by Mandalay Luxury Division
### Mandalay by Mandalay Luxury Division

**Custom Chassis Features**

- 5 year, 100,000 mile coolant***
- TranSynd Transmission Fluid
- 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
- 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/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

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### XCR-SERIES

**Engine**

- Cummins ISL turbocharged, aftercooled, 8.9 L electronic diesel
- Peak Hp: 400 Hp @ 2,200 rpm
- Peak Torque: 1200 lb-ft (1627 N•m) @ 1,300 rpm

**Transmission**

- Allison 3000MH six-speed automatic with lock up
- Gear Ratios:
  - 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: 14,320 lb (6501 kg)
- Rear GAWR: 20,000 lb (9080 kg)
- GVWR: 34,320 lb (15581 kg)
- GCWR *: 44,320 lb (20121 kg)

**Wheelbase**

- 276 in (7000 mm)

**Front Axle**

- Capacity: 14,600 lb (6628 kg)
- Track Width: 84.3 in (2141 mm)

**Rear Axle**

- Drive Ratio: 4.63:1
- Capacity: 20,000 lb (9080 kg)
- Track Width: 72.1 in (1830 mm)

**Brakes**

- Full air brakes with ABS
- Front Service: 17 in. dia. Air Disc w/wear sensors
- Rear Service: 16.5 x 7 in. drum-style S-cam & auto slack adjusters
- Parking: 16.5 x 7 in. drum-style (rear axle)
- Spring-applied air release

**Cooling System**

- Radiator Core: 2 rows, 1000 in² (6452 cm²)
- Radiator Type: Cross-flow, side mounted
- Charge Air Cooler: Cross-flow, core size 960 in²
- Transmission Oil Cooler: Remote mounted water-to-oil
- Fan: Variable speed, hydraulic

**Electrical System**

- Alternator: Leece-Neville 170 amp
- Starting: Denso, 12 volt
- Battery: Two 950 CCA @ 0°F (-18°C), maintenance-free

**Frame**

- Max Resist. Bending Moment: 291,000 lb•in (32892 N•m)
- Max Frame Section: 9.00 x 2.75 x .25 in (229 x 70 x 4.8 mm)
- Raised Frame Rail Construction: 291,000 lb•in (32892 N•m)
- Max Frame Section: 9.00 x 2.75 x .25 in (229 x 70 x 4.8 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)
- Custom Tuned Sachs shock absorbers

**Tires**

- Michelin XZA 3 275/80R 22.5 LRH

**Wheels**

- 4 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

**Instrumentation**

- Speedometer • Tachometer • Engine Oil Pressure • Water Temp • Voltmeter • Fuel Level • Dual Air Pressure • Transmission Temp

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For reference only. For certified dimensions, consult Freightliner Custom Chassis Corporation. Specifications are as of 8/02/06, 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.

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