DAMON
MOTOR COACH

ESSENCE

2009 Model Year
XCR-Series 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

FREIGHTLINER

Custom Chassis

Driven By You
## 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
- R-134A air conditioning compressor
- Electronic cruise control with high idle
- Burled wood VIP SmartWheel, 18 in (457 mm)
- TRW infinitely adjustable tilt/telescoping steering column
- Push button shift control
- Driver message center with integral LCD display
- 5-inch gauge package
- Neway air ride suspension/Sachs tuned 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 PURES rest heated air dryer
- Automatic, heated moisture ejector
- Air suspension deflation system
- Daytime running lights
- 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

## Engine
- Cummins ISL turbocharged, aftercooled
- 8.9 L electronic diesel
- Peak HP: 425 HP @ 2,200 rpm
- Peak Torque: 1200 lb•ft (1627 N•m) @ 1,300 rpm

## Transmission
- Allison 3000 MH 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: 12,400 lb (5630 kg)
- Rear GAWR: 20,000 lb (9080 kg)
- GVWR: 32,400 lb (14,710 kg)
- GCWR: 42,400 lb (19,250 kg)

## Wheelbase
- 266 in (6756 mm)

## Front Axle
- 1-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)

## Brakes
- Full air brakes with auto slack adjusters and ABS
- Front Service: 15 x 4 in drum-style s-cam
- 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
- 2 rows, 15 FPI, 1270 in² (8194 cm²) area
- Cross-flow, rear-mounted
- Cross-flow, rear-mounted
- Remote-mounted water-to-oil
- Belt-driven with viscous fan clutch

## Electrical System
- Alternator: Delco Remy 160 amp
- Starting: Delco 29MT, 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
- 100 gal (341 L), dual fuel fill

## Steering System
- TRW THP 60, integral hydraulic power gear
- Rating: 12,400 lb (5630 kg)
- Ratio: 20.4:1
- Pump: Gear-driven
- Wheel cut: 55°

## Suspension
- Neway air suspension (front and rear)
- Shock Absorber: Tuned shocks, Sachs
- Heavy-duty Stabilizer Bar Dia: 1.50 in (38 mm) (front)

## Tires
- Goodyear G670 RV 295/80R 22.5 LRH
- 4 aluminum 2 steel 22.5 x 8.25 in (572 x 210 mm) with 10 bolt lugs 11.25 in (285.75 mm) diameter bolt center

## Instrumentation
- Gauges:
  - speedometer
  - tachometer
  - engine oil pressure
  - water temperature
  - voltmeter
  - fuel level
  - dual air pressure