# EMPRESS

## 2009 Model Year

### XCR-Series Motorhome Chassis

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>BENEFIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Year, 50,000-Mile Warranty</td>
<td>Best in The Industry</td>
</tr>
<tr>
<td>50,000 PSI Frame Rail</td>
<td>Solid Foundation</td>
</tr>
<tr>
<td>60-Degree Wheel Cut</td>
<td>Excellent Maneuverability</td>
</tr>
<tr>
<td>400 Dealers</td>
<td>Service Where You Need It</td>
</tr>
</tbody>
</table>

Custom Chassis

Driven By You
# EMPRESS

## 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
- Battery shut-off switch
- R-134A air conditioning compressor
- Electronic cruise control with high idle
- Leather-wrapped VIP SmartWheel, 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
- Air ride suspension/Sachs tuned 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
- 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

### 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 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 (15,581 kg)
- GCWR: 44,320 lb (20,121 kg)

### Wheelbase
- 252 in (6401 mm)
- 266 in (6756 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 Disc
- Rear Service: 16.5 x 7 in drum-style s-cam
- Parking Rear: 16.5 x 7 in drum-style s-cam spring-applied air release

### Cooling System
- Radiator Core: 14 FPI 1,260 in² (8129 cm²) area
- Radiator Type: Cross-flow, side-mounted
- Charge Air Cooler: Cross-flow, side-mounted
- Transmission Oil Cooler: Remote-mounted water-to-oil
- Fan: Variable speed, hydraulic

### Electrical System
- Alternator: Lecce-Neville 170 amp
- Starting: Delco, 41MT 12 volt
- Battery: Two 760 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 (379 L), dual fuel fill

### Steering System
- ZF - 8018
- Rating: 14,600 lb (6628 kg)
- Ratio: 19.3:1 to 22.1:1
- Wheel Cut: 60°

### Suspension
- Shock Absorber: Air suspension (front and rear)
- Air ride suspension/Sachs

### Tires
- Michelin XZA 3 275/80R 22.5 LRH

### Wheels
- 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 • transmission temp.