# XC- Series Motorhome Chassis

## Feature vs. Benefit

<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>9&quot; 50,000 PSI Frame Rail</td>
<td>Solid Foundation</td>
</tr>
<tr>
<td>50 Degree Wheel Cut</td>
<td>Excellent Maneuverability</td>
</tr>
<tr>
<td>Over 350 Dealers</td>
<td>Service Where You Need It</td>
</tr>
</tbody>
</table>

2006 MODEL YEAR

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**Embassy DP**

by Triple E
### Embassy DP by Triple E
#### Custom Chassis Features
- 5 year, 100,000 coolant ***
- TranSynd Transmission Fluid
- 15.2 CFM air compressor
- Fuel/water separator
- Farr Eco-air-cleaner
- Air filter restriction indicator
- 750 watt in-block engine heater
- Exhaust brake
- R-134A air conditioning compressor
- Electronic cruise control with high idle
- VIP steering wheel, 18 in (457mm)
- Douglas tilt/telescoping steering column
- Push button shift control
- Neway air ride suspension Sachs tuned shock absorbers
- Michelin XRV 235/80R 22.5 LRG
- 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

* Transmission limited GCWR. See operators manual for braking requirements on towed vehicle.

** Tire size may affect wheel cut.

*** Some maintenance required

### XCS-SERIES
#### Engine
- Cummins ISB turbocharged, aftercooled, 5.9 L electronic diesel
- Peak Hp: 300 Hp @ 2,500 rpm
- Peak Torque: 600 lb•ft (895 N•m) @ 1,600 rpm

#### Transmission
- Allison 2500 MH five-speed automatic with lock up
- Gear Ratios:
  - First: 3.51:1
  - Second: 1.90:1
  - Third: 1.44:1
  - Fourth: 1.00:1
  - Fifth: 0.74:1
  - Rev: 5.09:1

#### Vehicle Weight Ratings
- Front GAWR: 9,350 lb (4245 kg)
- Rear GAWR: 17,500 lb (7945 kg)
- GVWR: 26,850 lb (12 190 kg)
- GCWR: 33,000 lb (14 983 kg)

#### Wheelbase
- 228in (5791mm)

#### Front Axle
- Capacity: 10,500 lb (4767 kg)
- Track Width: 82.36 in (2092 mm)

#### Rear Axle
- Drive Ratio: 4.78:1
- Capacity: 17,500 lb (7945 kg)
- Track Width: 69.3 in (1760 mm)

#### Brakes
- Full air brakes with auto slack adjusters and ABS
- Front and Rear Service: 15 x 4 in (front) and 16.5 x 7 in (rear) drum-style S-cam
- Parking: Spring applied air release 16.5 x 7 in drum-style (rear axle)
- Push-pull knob controlled

#### Cooling System
- Radiator Core: 2 rows, 15 FPI, 1000 in² (6452 cm²) area
- Charge Air Cooler: Cross-flow, rear mounted
- Transmission Oil Cooler: Remote mounted water-to-oil
- Fan: Belt driven

#### Electrical System
- Alternator: Leece-Neville 160 amp
- Starting: Delco 28MT, 12 volt
- Battery: Two 760 CCA @ 0°F (-18°C), maintenance-free

#### Frame
- Straight Frame Rail Construction
- Max Resist. Bending Moment: 291,000 lb•in (32 892 N•m)
- Max Frame Section: 9.00 x 2.75 x .25 in (229 x 70 x 4.8 mm)

#### Fuel Tank
- 90 gal (341 L), dual fuel fill

#### Steering System
- TRW TAS 65, integral hydraulic power gear
- Rating: 12,000 lb (5448 kg)
- Ratio: 20.4:1
- Pump: Gear-driven
- Wheel Cut: 50°

#### Suspension
- Neway air suspension
- Shock Absorber: Tuned Sachs shocks
- Heavy-Duty Stabilizer Bar Diam: 1.50 in (38 mm) (front)

#### Tires
- Michelin XRV235/80R 22.5 LRG

#### Wheels
- 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 with odometer • Tachometer • Engine Oil Pressure • Water Temperature • Voltmeter • Fuel Level • Dual Air Pressure