XC- Series Motorhome Chassis

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>BENEFIT</th>
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<tbody>
<tr>
<td>3 Year, 50,000 Mile Warranty</td>
<td>Best in The Industry</td>
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<tr>
<td>9&quot; 50,000 PSI Frame Rail</td>
<td>Solid Foundation</td>
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<tr>
<td>50 Degree Wheel Cut</td>
<td>Excellent Maneuverability</td>
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<tr>
<td>Over 350 Dealers</td>
<td>Service Where You Need It</td>
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</tbody>
</table>

2005 MODEL YEAR

Northern Star
by Newmar
### Northern Star by Newmar

#### Custom Chassis Features

- 5 Year, 100,000 mile coolant ***
- TranSynd Transmission Fluid
- 13.2 CFM air compressor
- Fuel/water separator
- Farr Eco-air cleaner
- Air filter restriction indicator
- 1000 watt in-block engine heater
- Exhaust brake
- R-134A air conditioning compressor
- Electronic cruise control with high idle
- VIP SmartWheel, 18 in (457 mm)
- TRW infinitely adjustable tilt/telescoping steering column
- Suspended & Adjustable pedals
- Push button shift control
- LCD Info center
- Neway air ride suspension/ Sachs tuned shock absorbers
- Michelin XZA1 275/70R 22.5 LRH
- ACCU-SHIELD Polished aluminum wheels with trim kit
- Heater hose assembly to front of chassis
- Haldex PURest heated air dryer
- Automatic, heated moisture ejectors
- 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 vehicles.

** Tire size may affect wheel cut.

*** Some maintenance required

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### XG-SERIES

#### Engine
- Caterpillar C7 turbocharged, aftercooled
- Peak Hp 7.2 L. electronic diesel
- 350 Hp @ 2,400 rpm
- 860 lb•ft (1166 N•m) @ 1,440 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 12,000 lb (5448 kg)
- Rear GAWR 20,000 lb (9080 kg)
- GVWR 32,000 lb (14528 kg)
- GCWR * 42,000 lb (19068 kg)

#### Wheelbase
- 252 in (6401 mm)

#### Front Axle
- Capacity 12,000 lb (5448 kg)
- Track Width 81.9 in (1948 mm)

#### Rear Axle
- Drive Ratio 4.78:1
- Capacity 20,000 lb (9080 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 Cross-flow, rear mounted
- Radiator Type 2 rows, 15 FPI, 1050 in 2 (6775 cm2) area
- Charge Air Cooler Cross-flow
- 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 950 CCA @ 0°F (-18°C); maintenance-free

#### Frame
- Raised 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
- 100 gal (379 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 (front and rear)
- Shock Absorber Tuned Sachs shocks
- Heavy-Duty Stabilizer Bar Diam 1.50 in (38 mm) (front)

#### Tires
- Michelin radial XZA1 275/70R 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
- Speedometer with odometer
- Tachometer
- Engine Oil Pressure
- Water Temperature
- Voltmeter
- Fuel Level
- Dual Air Pressure
- Trans Temperature

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For reference only. For certified dimensions, consult Freightliner Custom Chassis Corporation. Specifications are as of 5/3/04, 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.