MC- Series Motorhome Chassis

FEATURE                  BENEFIT
■ 3 Year, 50,000 Mile Warranty .................................................. Best in The Industry
■ 50,000 PSI Frame Rail ............................................................. Solid Foundation
■ 55 Degree Wheel Cut ............................................................... Excellent Maneuverability
■ 400 Dealers ............................................................................. Service Where You Need It

2008 MODEL YEAR

Grand Star
by Newmar
# Grand Star by Newmar Custom Chassis Features

- 5 year 100,000 mile coolant***
- TranSynd Transmission Fluid
- Fuel/water separator
- Farr Eco-air cleaner
- Air filter restriction indicator
- Engine Braking: VGT
- R-134A air conditioning compressor
- Electronic cruise control with high idle
- VIP steering wheel, 18 in (457mm)
- TRW tilt steering column
- Push button shift control with Park
- Driver Info center
- Hendrickson suspension Sachs tuned shock absorbers
- Goodyear G670 RV 255/70R 22.5 LRH
- Heater hose assembly
- Day Time running light

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

*** Some maintenance required

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# MC-SERIES

## Engine
- Cummins ISB turbocharged, aftercooled, 6.7 L electronic diesel
- Peak Hp: 340 Hp @ 2,600 rpm
- Peak Torque: 660 lb•ft (840 N•m) @ 1,600 rpm

## Transmission
- Gear Ratios: Allison 2100 MH six-speed automatic with lock up
  - First: 3.10:1
  - Second: 1.81:1
  - Third: 1.41:1
  - Fourth: 1.00:1
  - Fifth: .71:1
  - Sixth: .61:1
  - Rev: 4.49:1

## Vehicle Weight Ratings
- Front GAWR: 10,000 lb (4540 kg)
- Rear GAWR: 17,000 lb (7718 kg)
- GVWR *: 26,000 lb (11 804 kg)
- GCWR *: 30,000 lb (13 620 kg)

## Wheelbase
- 228 in: 5791 mm
- 242 in: 6147 mm
- 246 in: 6248 mm
- 250 in: 6350 mm
- 270 in: 6858 mm

## Front Axle
- Capacity: 10,000 lb (4540 kg)
- Track Width: 79.7 in (2024 mm)

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

## Brakes
- Bosch hydraulic pin slide disc with ABS
- Front and Rear Service 15 in Disc’s
- Parking Transmission mounted disc
- Shift selector with Park

## Cooling System
- Radiator Core: 14 FPI, 750 in² (4837 cm²)area
- Radiator Type: Down-flow, front mounted
- Charge Air Cooler: Cross-flow
- Transmission Oil Cooler: Water-to-oil
- Fan: Belt driven with viscous clutch

## Electrical System
- Alternator: Delco 160 amp
- Starting: Delco 29MT, 12 volt
- Battery: Two 1300 CCA (@ 0°F (-18°C); maintenance-free)

## Frame
- Max Resist. Bending Moment: 291,000 lb•in (32 892 N•m)
- Max Frame Section: 9 1/8 x 3.00 x .5/16 in (232 x 76 x 7.9 mm)

## Fuel Tank
- 80 gal (303 L), Left hand fuel fill

## Steering System
- Rating: TRW THP 60, integral hydraulic power gear
- Ratio: 10,000 lb (4540 kg)
- Pump: 18.2:1
- Wheel Cut: Gear-driven
- 55°

## Suspension
- Shock Absorber: Hendrickson SOFTEK (front) taperleaf (rear)
- Heavy-Duty Stabilizer Bar Diam: Tuned Sachs shocks
- 1.50 in (38 mm) front 1.75 (44 mm) rear

## Tires
- Goodyear G670 RV 255/70R 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
- Gauges: Speedometer with odometer • Tachometer • Engine Oil Pressure • Water Temperature • Voltmeter • Fuel Level

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For reference only. For certified dimensions, consult Freightliner Custom Chassis Corporation. Specifications are as of 7/31/07, 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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