XCR- Series Motorhome Chassis

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

2008 MODEL YEAR

40' Allegro Bus

by Tiffin
# 40' Allegro Bus by Tiffin

## 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
- 1,000 watt in-block engine heater
- Compression Brake by Jacobs (3,6)
- R-134A air conditioning compressor
- Electronic cruise control with high idle
- VIP Smart Wheel, 18 in (457mm)
- TRW infinitely adjustable tilt/telescoping steering colum
- Suspended & adjustable pedals
- Push button shift control
- Driver message center with integral LCD display
- 5” gauge package
- Air ride suspension with custom tuned Sachs shocks
- 295/80R 22.5 LRH
- 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
- 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. 

*** Some maintenance required

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## Engine

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Hp</td>
<td>Cummins ISL turbocharged, aftercooled, 8.9 L electronic diesel</td>
</tr>
<tr>
<td>Peak Torque</td>
<td>425 Hp @ 2,200 rpm 1200 lb•ft (1627 N•m) @ 1,300 rpm</td>
</tr>
</tbody>
</table>

## Transmission

<table>
<thead>
<tr>
<th>Gear Ratios:</th>
<th>Allison 3000MH six-speed automatic with lock up</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rev.</td>
<td>First: 3.49:1 Second: 1.86:1 Third: 1.41:1 Fourth: 1:00:1 Fifth: .75:1 Sixth: .65:1</td>
</tr>
</tbody>
</table>

## Vehicle Weight Ratings

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front GAWR</td>
<td>14,600 lb (6628 kg)</td>
</tr>
<tr>
<td>Rear GAWR</td>
<td>20,000 lb (9080 kg)</td>
</tr>
<tr>
<td>GVWR</td>
<td>34,600 lb (15 708 kg)</td>
</tr>
<tr>
<td>GCWR *</td>
<td>44,600 lb (20 248 kg)</td>
</tr>
</tbody>
</table>

## Wheelbase

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>276 in (7010 mm)</td>
</tr>
</tbody>
</table>

## Front Axle

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>ZF - RL67EM IFS</td>
</tr>
<tr>
<td>Track Width</td>
<td>14,600 lb (6628 kg)</td>
</tr>
<tr>
<td></td>
<td>84.3 in (2141 mm)</td>
</tr>
</tbody>
</table>

## Rear Axle

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Ratio</td>
<td>4.63:1</td>
</tr>
<tr>
<td>Capacity</td>
<td>20,000 lb (9080 kg)</td>
</tr>
<tr>
<td>Track Width</td>
<td>72.1 in (1830 mm)</td>
</tr>
</tbody>
</table>

## Brakes

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full air brakes with ABS</td>
<td>17 in. Discs</td>
</tr>
<tr>
<td>Front Service</td>
<td>16.5 x 7 in. drum- S-cam</td>
</tr>
<tr>
<td>Rear Service</td>
<td>16.5 x 7 in. drum</td>
</tr>
<tr>
<td>Parking Rear</td>
<td>Spring-applied air release</td>
</tr>
</tbody>
</table>

## Cooling System

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiator Core</td>
<td>2 rows, 14 FPI 1,260 in²(8129 cm²) area</td>
</tr>
<tr>
<td>Radiator Type</td>
<td>Cross-flow, side mounted</td>
</tr>
<tr>
<td>Charge Air Cooler</td>
<td>Cross-flow, side mounted</td>
</tr>
<tr>
<td>Transmission Oil Cooler</td>
<td>Water-to-oil</td>
</tr>
<tr>
<td>Fan</td>
<td>Variable speed, hydraulic</td>
</tr>
</tbody>
</table>

## Electrical System

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternator</td>
<td>Lecce-Neville 170 amp</td>
</tr>
<tr>
<td>Starting Battery</td>
<td>Delco 41MT, 12 volt</td>
</tr>
<tr>
<td></td>
<td>Two 950 CCA @ 0°F (-18°C); maintenance-free</td>
</tr>
</tbody>
</table>

## Frame

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Resist. Bending Moment</td>
<td>Raised Frame Rail with Lowered Rear Section</td>
</tr>
<tr>
<td>Max Frame Section</td>
<td>291,000 lb x (32 892 N*m)</td>
</tr>
<tr>
<td></td>
<td>9.00 x 2.75 x .25 in (229 x 70 x 6.4 mm)</td>
</tr>
</tbody>
</table>

## Fuel Tank

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>150 gal (568 L), dual fuel fill</td>
</tr>
</tbody>
</table>

## Steering System

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>ZF - 8018</td>
</tr>
<tr>
<td>Ratio</td>
<td>14,600 lb (6628 kg)</td>
</tr>
<tr>
<td>Wheel Cut</td>
<td>19.3:1 to 22.7:1</td>
</tr>
<tr>
<td></td>
<td>60°</td>
</tr>
</tbody>
</table>

## Suspension

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZF - RL67EM IFS (front)</td>
<td>Neway AD1. air (rear)</td>
</tr>
<tr>
<td>Shock Absorber</td>
<td>Custom Tuned Sachs shock absorbers</td>
</tr>
</tbody>
</table>

## Tires

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>295/80R 22.5 LRH</td>
</tr>
</tbody>
</table>

## Wheels

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Wheels</td>
<td>4 aluminum, 2 steel 22.5 x 8.25 in (572x210mm)</td>
</tr>
<tr>
<td></td>
<td>with 10 bolt lugs</td>
</tr>
<tr>
<td></td>
<td>11.25 in (285.75 mm) diameter bolt center</td>
</tr>
</tbody>
</table>

## Instrumentation

<table>
<thead>
<tr>
<th>Description</th>
<th>XCR-SERIES</th>
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<tbody>
<tr>
<td>Gauges: Speedometer • Tachometer • Engine Oil Pressure • Water Temperature • Voltmeter • Fuel Level • Dual Air Pressure</td>
<td></td>
</tr>
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</table>