**CHASSIS SPECIFICATION**

**Engine**
- Displacement: 8.9 liters.
- Emissions package includes Exhaust Gas Recirculation (EGR), Variable Geometry Turbocharger (VGT), Selective Catalytic Reduction (SCR).
- Fast fuse and overvoltage protection.
- Integrated intelligent battery guard.

**Transmission**
- Gear ratios: 3:1, 4.5:1, 3:1.
- Option for full Dual Pane 'direct bonded' glazing.

**Suspension**
- ZF RL75A deep drop beam axle.
- Features: Mechanical levelling control system with fast-kneel facility on front and rear axles.
- Rigidly fixed to a fully integrated steel chassis frame.

**Cooling System**
- Nearside rear mounted electric fan cooled radiator with separate offside cooling performance. Reverse test switch for testing and cleaning radiators installed in engine compartment.
- Fitted with Wabco 500 air compressor and air dryer.

**Braking System**
- Full air operated category 1 ABS 17" (430mm) disc brakes with separate parking brake.
- Disc brakes on all axles.
- Parking brake is air-released, spring-actuated on drive wheels.
- Park brake is air-released, spring-actuated on drive wheels.

**Electrical System**
- LED lights are standard throughout the vehicle with the exception of the upper saloon.
- Thermo King air conditioning system to upper and lower decks. (Northern cold climate spec.)
- Optional: Lighting check switch to ease driver's vehicle inspection.

**Seating Configuration**
- Up to 31 fixed type seats in lower saloon including the three emergency exit seats.
- Wheelchair provision

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall length</td>
<td>12100mm</td>
</tr>
<tr>
<td>Overall width</td>
<td>2520mm (8' 3&quot;)</td>
</tr>
<tr>
<td>Overall height</td>
<td>3700mm</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>5800mm</td>
</tr>
</tbody>
</table>

**SEATING CONFIGURATIONS**

**Upper Saloon**
- Maximum seated capacity: 42 (12.9m) Two Door
- Maximum standing capacity: 75

**Lower Saloon**
- Maximum seated capacity: 75
- Maximum standing capacity: 100

**Benefits**
- Up to 71% fuel efficiency saving compared to the previous generation of Enviro500.
- Fuel consumption: 6.2 l/100km.
- CO2 emissions: 154g/km.
- Dual-pane 'Direct Bonded' glazing.

**Body Specification**

**The Body**
- Designed to meet the legislative requirements of current 'Federal Motor Vehicle Safety Standards' (FMVSS) including 'Americans with Disabilities Act 2010' (ADA) and 'Canadian Motor Vehicle Safety Standards' (CMVSS) where applicable.
- Driver’s Cab
  - Optional: Soft trim.
  - Optional: Defensive safety bars.
  - Optional: Anti-theft alarm system.
  - Bulkhead connections and modular wiring improve troubleshooting and repair.

**Streetside destination and front ‘Run number’ signs offered as options.**

**Driver’s Foot Well**
- Includes driver’s foot platform.

**Wheelchair Provision**
- Optional energy absorbing bumpers can be fitted at front and rear.
- Solid Proprietary steel frame with a high level of noise, vibration and harshness (NVH) isolation.
- Optional: Fully integrated steel chassis frame.

**Seating Mahogany hardwood with high-quality padding or leather upholstery.**

**Data**
- GVW (North America): 40,490 lbs (18,370kg)
- GVWR (North America): 38,490 lbs (17,400kg)
- Tag axle plated weight: 15652 lbs (7100kg)
- Overall height: 3700mm
- Overall length: 12100mm
- Overall width: 2520mm (8' 3")
- Wheelbase: 5800mm

**Options**
- Defensive safety bars.
- Anti-theft alarm system.
- Solid Proprietary steel frame with a high level of noise, vibration and harshness (NVH) isolation.
- Optional energy absorbing bumpers can be fitted at front and rear.
- Mahogany hardwood with high-quality padding or leather upholstery.
- Streetside destination and front ‘Run number’ signs.
- Driver’s foot platform.
- Fully integrated steel chassis frame.

**Streetside destination and front ‘Run number’ signs offered as options.**
### Specification

**42' Low Height Double Deck Transit or Commuter Bus (North America)**

**Signature Features**
- Stylish, lighter, more fuel efficient and with 80 – 86 seats, the Enviro500 has a stunning new look and overall height of just 13' 6" (4.1m).
- The Go-Anywhere Enviro500 is a double deck that can operate on the same routes as single decks in virtually every part of the USA and Canada.
- It offers a unique combination of high capacity and comfort, ushering in a new era for urban transit or inter-urban commuter operations.

**Alexander Dennis’ policy is one of continuous development. The right is reserved to change specifications of the models and items described. For the latest details always consult Alexander Dennis.**

**Go–Anywhere**
- **Passenger’s favorite**
  - Stylish and lower, more fuel efficient and with 80 – 86 seats, the Enviro500 has a stunning new look and overall height of just 13' 6" (4.1m).
  - The Go-Anywhere Enviro500 is a double deck that can operate on the same routes as single decks in virtually every part of the USA and Canada.
  - It offers a unique combination of high capacity and comfort, ushering in a new era for urban transit or inter-urban commuter operations.

<table>
<thead>
<tr>
<th>Go–Anywhere</th>
<th>Capacity</th>
<th>Space &amp; comfort</th>
<th>Wide staircase</th>
<th>Cost efficient</th>
<th>Reliability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Popular with passengers thanks to panoramic windows and low height.</td>
<td>Easy to use, walk and wheel in stature.</td>
<td>Flat floor, easy access for wheelchairs.</td>
<td>Cost savings per passenger carried.</td>
<td>Reliable and proven engineering solutions incorporating class-leading components.</td>
<td>Easy to maintain.</td>
</tr>
<tr>
<td>More space than previous designs. Quiet and with superb ride comfort.</td>
<td>Lower seat height.</td>
<td>Easy access to upper deck.</td>
<td>Cost savings per passenger carried.</td>
<td>Lower seat height.</td>
<td>Easy to maintain.</td>
</tr>
<tr>
<td>The ideal solution for carrying large numbers of passengers while occupying a smaller road space (around 100 passengers in a 42’ model).</td>
<td>More space for revenue generating advertisements.</td>
<td>Higher performance.</td>
<td>More revenue generated.</td>
<td>Reliable and proven engineering solutions incorporating class-leading components.</td>
<td>Easy to maintain.</td>
</tr>
</tbody>
</table>

**Go–Anywhere**
- **Passenger’s favorite**
  - Stylish and lower, more fuel efficient and with 80 – 86 seats, the Enviro500 has a stunning new look and overall height of just 13' 6" (4.1m).
  - The Go-Anywhere Enviro500 is a double deck that can operate on the same routes as single decks in virtually every part of the USA and Canada.
  - It offers a unique combination of high capacity and comfort, ushering in a new era for urban transit or inter-urban commuter operations.

**Alexander Dennis’ policy is one of continuous development. The right is reserved to change specifications of the models and items described. For the latest details always consult Alexander Dennis.**

**www.alexander-dennis.com**