The Enviro200 is ADL’s innovative and future-defining single deck bus. It is lighter, more fuel efficient and sets the standard with a host of operator and passenger-friendly features. It offers reduced operating costs and simplified maintenance, coupled with more seats throughout the stylish, feature-packed range.
**Engine**
Cummins ISB4.5 four cylinder and ISB6.7 six cylinder turbocharged and intercooled diesel engine certified to Euro6 emission standards.
- Displacement: 4.5 litres and 6.7 litres.
- Torque: 760Nm on the 4.5 litre and 1000Nm on the 6.7 litre.

**Gearbox**
Choice of Voith and Allison gearboxes.

**Front Axle**
Dana NDSS6XLF forged ‘I’ beam axle.
- Capacity: 5000kg.
- Lock angle: 53°.

**Rear Axle**
Dana 09-24 single reduction hypoid axle with ground gears, capacity 8,500kg or
Dana 11-26 single reduction hypoid axle with ground gears 11,000kg capacity.

**Suspension**
Full air suspension mounted within chassis frame floor contours eliminating component intrusion into passenger saloon areas.
- Front: Two 250mm (10") air springs. Multilink location. Anti-roll bar and two double-acting dampers.
- Rear: Four 225mm (9") air springs. Multilink location. Anti-roll bar and two double-acting dampers.
- Features: Electronic Levelling Control (ELC) and fast-kneel facility on front suspension or full suspension, reducing height to 245mm.

**Steering Gear**
ZF 8095 integrally powered, variable ratio steering gear.
- 457mm two-spoke steering wheel.
- Telescopic steering column and binnacle interlocked with the handbrake for safety.

**Frame**
Lightweight frame.
- Bolted modular platform.
- Steel channel, rectangle and angle sections.
- Finished with a two-pack epoxy compliant corrosion-resistant paint.

**Braking System**
Electronic Braking System (EBS).
- Full air operated category 1 ABS 375mm disc brakes with separate systems front and rear.
- Park brake is air-released, spring-actuated on rear wheels.
- Hand control valve.
- Fitted with Knorr Bremse 630 air compressor and Air Processing Unit (APU).

**Wheels and Tyres**
Rear mounted offside side-by-side cooling pack incorporating intercooler with electronically controlled hydraulic fan drive or electronic fan drive.
- Separate coolant header tank with sight glass and offside fill point.
- Flyscreen is fitted in front of radiator to minimise dirt ingress.

**Fuel tank**
Stainless steel fuel tank with a capacity of 220 litres.
- 19 litre AdBlue tank mounted rear of the rear axle.

**Cooling System**
24 volt, single pole negative earth.
- 2 x 12 volt heavy duty maintenance-free batteries with 225 amp/hour capacity. Mounted on slide-out carrier under driver’s cab.
- Battery boost socket supplied.
- Integrated intelligent battery guard.
- 2 x 120 amp alternators.
- Fast fuse and overvoltage protection.
- Continental VDO Kibes multiplex system.

**Options**
- Electronic water header tank level indicator.
- Ramp interlock.
- Tachograph.
- Driver’s cab air-conditioning.
- Hubodometer.
- Full vehicle squat.
- Pressure release radiator cap.
- Ferry lift.
- Spare wheel and tyre.
- Identic and Posilock fuel fill systems.
- Identic AdBlue fill system.
- Radiator filter.
- Alloy wheels.
- Engine oil management system.
- Service (Femco) drain valves.
- Separate start batteries.
- Maintenance free gel batteries.
**BODY SPECIFICATION**

**Legislation**
Our vehicles are designed and Type Approved as compliant with all relevant European Community legislation for the UK, with other country specific legislation available on request.

**Structure**
The Enviro200 is a narrow bodied (2.47m) midi bus ranging from 8.9m to 11.5m with a 4 cylinder engine and 11.8m to with a 6 cylinder engine. The low weight body structure consists primarily of aluminium extrusions and shear panels with the addition of stainless steel in areas of higher stress ensuring a high body stiffness and durability whilst minimising the vehicle mass. All of the structural members are mechanically joined ensuring ease of repair following any form of collision damage.

The roof consists of a single piece composite panel significantly increasing the body stiffness with a reduction in weight compared to conventional construction. It has high thermal insulation properties helping to prevent condensation.

The body is rigidly fixed to a fully integrated steel chassis frame optimised for low weight and high strength. Any risk of electrolytic corrosion between dissimilar metals is removed by the application of dielectric paint. The steel frame is treated with a wax injection technology prior to undersealing the completed vehicle.

**Exterior Panels**
Exterior aluminium side panels are flush fitting with the glazing units giving a very clean aesthetically pleasing appearance. Care has been taken to avoid protrusions, including hinges and fixing heads to prevent build up of road dirt and to make cleaning easier. Panels in higher risk of damage from kerbs including side skirts and lower corner moldings are quickly and easily replaced. Corner moldings are separate from the upper panels isolating potential damage and minimising replacement costs.

**Glazing**
The vehicle has ADL's patented Quick Release Glazing (QRG) system. This new system has a much improved aesthetic appearance both inside and out, whilst being quicker to replace than a gasket glazed vehicle.

The system has a unique sealing system reducing water ingress without the need to apply messy sealants. The glass can be replaced by one man from inside the bus. Front and rear glazing is bonded.

**Doors**
The entrance is fitted with a twin leaf inward swing glider door with active seals for improved sealing performance.

The optional exit door is fitted with a twin leaf sliding plug door providing a clear exit platform.

Pneumatic doors are fitted as standard.

**Interior trim**
The interior comprises of wipe-clean laminates for ease of cleaning which can be tailored and coloured to the operator’s requirements and to match floor and seat colour schemes.

**Driver’s Cab**
A spacious, comfortable, quiet and ergonomically designed driver’s cab giving excellent forward vision enhanced by the use of a curved windscreen. The fully adjustable steering wheel and instrument binnacle also ensures ease of reach to the operating switches.

The integrated assault screen available with both fixed and drop down screens in the door provides superb driver protection.

**Flooring**
All products offer low entry as standard with a floor constructed from treated 12mm birch plywood and covered with a hard wearing floor system available in a wide range of colours and designs to suit the operator’s requirements. The joints between vertical panels and the floor are radiused making cleaning much easier.

**Heating and Ventilation**
The standard vehicle is supplied with a blow-by-air heating system to the saloon with forced air ventilation from the front dash. The vehicle structure is insulated with fire retardant sheet insulation.

The system is fitted with brushless motors, powered extract and automatic temperature control.

**Electrical System**
The 24 volt electrical system is fully multiplexed, with hardware located in easy-to-access locations. The system provides intuitive On-Board Diagnostics via the driver’s screen.

Dedicated expansion locations and interfaces are provided for additional customer equipment, including a Bus-FMS standard gateway.

The chassis system wiring is integrated and routed through the body, to improve reliability and accessibility.

Bulkhead connections and modular wiring improve troubleshooting and ease of repair.

Cleaning light switch provides timer controlled interior lighting.

Driver’s courtesy lighting provides well lit entry and exit.

Service indicator can identify vehicles in busy garages requiring attention.

Lighting check switch eases driver’s vehicle inspection.

Continuous saloon lighting is provided by stylish LED strips as standard.

LED lights are standard throughout the vehicle with the exception of the headlamps.

**Destination Gear**
Electronic LED destinations are offered as standard on all vehicles. Rear LED illuminated blinds are also available.

**Ramps**
Both manual and powered ramps are available.

**Seating**
Seating is available from a wide range of manufacturers with standard offerings such as:

- Civic V2
- Civic V3
- Practico Low Back
- Practico High Back
- Transito

**Options**
- Cantilever seats to the salono area
- Driver’s cab air conditioning
- Wireless bell pushes
- Ambient sensed internal and external lighting
- Front door sensitive edge
- Electric powered ramp
- Electric doors
- Coloured LED destinations
- Coloured LED saloon lighting
- CCTV
- RTPI
- WiFi
- Underseat lighting
- Telematics
- Passenger counting
- LED dipped beam
- 240 volt sockets

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall length</th>
<th>Wheelbase Front</th>
<th>Front overhang</th>
<th>Rear overhang</th>
<th>Overall height</th>
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</thead>
<tbody>
<tr>
<td>8.9m 4 cyl</td>
<td>8995mm</td>
<td>3900mm</td>
<td>2500mm</td>
<td>2595mm</td>
<td>2860mm</td>
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<td>9.7m 4 cyl</td>
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<td>4655mm</td>
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<td>10.4m 4 cyl</td>
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<td>10.8m 4 cyl</td>
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<tr>
<td>11.5m 4 cyl</td>
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<td>6475mm</td>
<td>2500mm</td>
<td>2595mm</td>
<td>2860mm</td>
</tr>
<tr>
<td>11.8m 6 cyl</td>
<td>11810mm</td>
<td>6475mm</td>
<td>2500mm</td>
<td>2595mm</td>
<td>2835mm</td>
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**WEIGHT DATA**

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<th>Front overhang</th>
<th>Rear overhang</th>
<th>Overall height</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.9m to 11.5m</td>
<td>8.9m to 11.5m</td>
<td>4480kg</td>
<td>840kg</td>
<td>12960kg</td>
<td>13000kg</td>
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<tr>
<td>11.8m</td>
<td>11.8m</td>
<td>5000kg</td>
<td>9440kg</td>
<td>14440kg</td>
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**265 tyres with 11-26 axle**

<table>
<thead>
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<th>Model</th>
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<th>Rear overhang</th>
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<tr>
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<td>4480kg</td>
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<td>5000kg</td>
<td>9440kg</td>
<td>14440kg</td>
<td>14440kg</td>
</tr>
</tbody>
</table>
SEATING CONFIGURATIONS

8.9 m

32 ♂ (25 forward facing)

10.8 m

41 ♂ (35 forward facing)

9.7 m

36 ♂ (29 forward facing)

11.5 m / 11.8 m (6 cyl)

46 ♂ (39 forward facing)

10.4 m

40 ♂ (33 forward facing)
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**Specification**

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. 10/14

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**Improved Performance**

Optimised drivetrain, optional stop-start, smart accessories, electric cooling and a fly-wheel hybrid option combine to improve efficiency by up to 35%.

**New Suspension**

The all-new suspension system improves ride-comfort and reliability.

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**Stylish New Look**

Stylish both inside and out, the new Enviro200 has a real street presence.

**New Electrical System**

The re-designed electrical system is common to the Enviro400, more reliable and easier to maintain.

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**Common Components**

Many systems and components are shared with the Enviro400 double deck, improving reliability still further and simplifying maintenance.

**Lighter and More Fuel Efficient**

Lighter by circa 200kg the new Enviro200 raises the bar once again in terms of fuel economy.
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Alexander Dennis Limited
9 Central Boulevard,
Central Park,
Larbert, FK5 4RU
Tel +44 (0)1324 621672
Fax +44 (0)1324 551012
Email enquiries@alexander-dennis.com

www.alexander-dennis.com