

ENVIRO400

towards carbon neutral
greener and cleaner

36' Double Deck Open Top Tourist Bus (North America)



The Enviro400 Tourist Bus provides high capacity seating and an unbeatable view for passengers. There's no limit to the views they can enjoy from the top deck, creating exceptional and memorable tourist experiences.

Purpose designed by Alexander Dennis - the world leader in double deck technology - the open top Enviro400 has the same levels of strength, maneuverability, ride comfort, low operating costs and high efficiency as the proven Enviro400 transit bus, a design that excels in some of the world's toughest operating environments.

The Enviro400 features a low entrance with no steps, leading into a spacious and easily accessible flat, low floor, and wheelchair users can be accommodated in a choice of positions.

Opening up new opportunities wherever it operates, the Enviro400 tourist bus is a real winner for operators and passengers alike.



**ALEXANDER
DENNIS**

Specification

ENVIRO400

36' Double Deck Open Top Tourist Bus (North America)

CHASSIS SPECIFICATION

Engine

Cummins ISL transverse mounted 6 cylinder turbocharged and intercooled diesel engine
Certified to EPA10 emission standard –with DPF and SCR
Power – 280 BHP @ 2200 rpm
Torque – 900 lbf ft @ 1200 rpm
Capacity – 8.9 liters

Transmission

Voith D864.5 - W23 – 4 speed automatic with integral retarder and angle drive
Three button selector

Front Axle

Dana NDS80LF deep drop 'I' beam
17,640 lbs design capacity
Back lock angle 55°

Rear Axle

ZF AV-132 drop centre – 28,660 lbs design capacity
Ratio 6.20:1 giving top speed of 61 mph

Suspension

Front – Two 12" (305mm) air springs with multilink location and anti-roll bar. Two double acting dampers. Rapid kneel facility.
Rear - Four 10" (255mm) air springs with multilink location and anti-roll bar. Four double acting dampers.

Braking System

Full DOT compliant, air operated anti-lock braking system with Knorr Bremse 17" (430mm) diameter disc brakes, with wear indicators, fitted to the front and rear axles.
Compressor – Wabco 500 twin cylinder 22.95 cfm (0.65 m³/min) free air.
Air Dryer - Knorr Bremse with coalescing filter cartridge.
Service brakes – Full air operated with separate systems for front and rear axles.
Parking brake - Air released spring actuated park brake on drive axle with hand control valve.

Wheels and Tires

305/70R x 22.5 Michelin XZU2LRL tubeless radial tires fitted to 8.25" x 22.5" hub pilot rims.

Steering Gear

ZF 8098 integrally powered, variable ratio steering gear
18" (457 mm) two spoke, center horn push, steering wheel
Steering column with air operated adjustment, interlocked with handbrake for added safety

Cooling System

Rear RHS mounted radiator and intercooler with hydraulic fan drive.
Radiator has a 'drop-out' cassette for ease of cleaning.
Separate header tank with sight glass, RHS fill point and lever release filler cap.

Exhaust System

Stainless steel DPF and SCR canisters with rear exhaust diffuser

Frame

All welded of steel tube, channel and angle sections, corrosion protected and designed for full integration with the body structure.

Fuel Tank

86 US Gallons (326liters) capacity twin stainless steel fuel tanks.
4.3 Gallons (16.4 litres) Diesel exhaust fluid tank.

Chassis Options

Alloy wheel rims
Engine 5 minute shutdown
Fuel monitoring system
Posilock fast fill fuel system
Tachograph
Wheel embellishers
Rear air charging point
Rear battery boost socket
Engine bay controls/gauges

BODY SPECIFICATION

Body Type

High capacity Enviro400 low floor 36' (11 meter) 'Open Top' double deck bodywork

Body Construction

3Cr12 stainless steel underframe structure fully integrated with chassis frame.

Extruded aluminum body frame with main body panels in aluminum

Entrance and Exit

Single step low floor entry/exit with height of 12¹/₄" (10" kneeling)
'Decpac' portable entry ramp stowed by entrance door when not in use.
Front inward opening twin leaf 'slide glide' door. (Vapor 'CityView' full glass appearance door wing with fast non-bonded glass replacement system).

Staircase

Forward ascending 'curved' staircase, incorporating the wheel housing

Heating & Demisting

The lower deck heating is provided by a blown warm air system located at the rear axle footstools.

Driver's area with separate warm air demisting/heating system.

Seating

The body framing allows for a choice of transit seating in various configurations.

Fixed seats in upper deck

Fixed seats plus tip-up seats in lower deck

Fully adjustable air suspension driver's seat (Choice of driver's seat from 'USSC and 'Recaro')

Wheelchair Provision

Two forward facing wheelchair positions in main low floor area with inertia reel retractable belt restraints ('Q Straits' ARM system) fully compliant with 'ADA' (Americans with Disability Act)
OR

Two rearward facing wheelchair positions in main low floor area which are fully compliant with the requirements of CAN/CSA-D435-02

Lighting

The lower deck is illuminated with LED lighting having translucent polycarbonate diffusers in a continuous extrusion.

Security System

CCTV monitoring system with one camera located at the upper deck, to allow the driver a view of this area. A second camera is located at the rear exterior of the vehicle and is activated when reverse gear is engaged. A driver's 7" monitor is set to the upper deck view and defaults to the rear view when reverse gear is selected.

Capacities (Typical Configuration)

80 seats. Upper deck - 51 fixed seats. Lower deck - 29 seats (22 fixed and up to 7 tip-ups subject to specification) or 22 fixed seats and 2 wheelchairs.

Body Options

Center exit with outward swinging plug doors by Vapor.

Full 'Air Conditioning' in the lower deck

Separate driver's 'Air Conditioning' unit integrated with demister unit.

Convection heating on the upper deck

Tree guards

Additional CCTV cameras

Fire Suppression system

Radio/CD player/Courier PA system

Front mounted shock absorbing bumper

Rear mounted shock absorbing bumper

LED destination systems – Front and Side

Upper deck covered roof

Auxiliary heater

DIMENSIONS

Model	36' (11.0m)
Overall Length	432" (10957mm)
Wheelbase	234.25" (5950mm)
Overall Width	99.25" (2520mm)
Overall Height	155" (3936mm)
Front Overhang	95" (2417mm)
Rear Overhang	102" (2590mm)

WEIGHT DATA

Model	36' (11.0m)
Front axle plated weight	15,653 lb (7,100 kg)
Drive axle plated weight	25,353 lb (11,500 kg)
Gross plated weight	39,683 lb (18,000 kg)

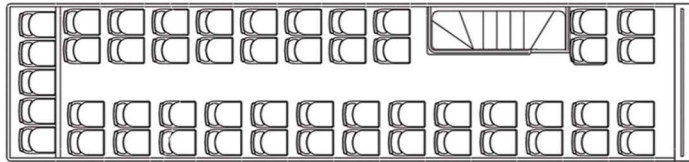
36' Double Deck Open Top Tourist Bus (North America)

SEATING CONFIGURATIONS

Capacities

Upper Deck

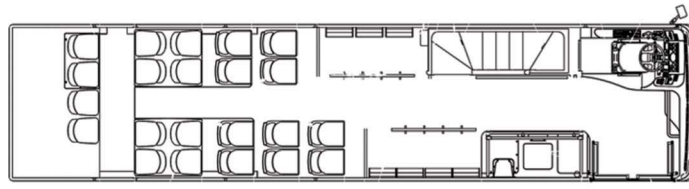
36'



Overall length 36' • Seated 51

Lower Deck

36'



Overall length 36' • Seated 29 or
22 + 2 wheelchairs

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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. 09/11