

# ENVIRO400H

United Kingdom & Ireland



The **Alexander Dennis Enviro400H** uses a BAE Systems series hybrid system architecture in which the diesel engine only acts as generator to produce energy for the electric drive. Its ultra-capacitor energy storage system is designed to last the lifetime of the bus, reducing total cost of ownership by not requiring mid-life replacement. It has demonstrated best-in-class fuel economy in the LowCVP's UK Bus test cycle, allowing the Enviro400H to be certified as an Ultra Low Emission Bus.

The Enviro400H is available with a wide range of specification options including the eye-catching City style body with its glazed staircase. Its interior is tailored to deliver a bespoke journey experience with a choice of passenger-centric features.

<b>Vehicle type</b>	Two-axle double deck diesel-electric hybrid bus
<b>Construction</b>	Welded steel chassis and aluminium body
<b>Dimensions</b>	10.3m length / 2.55m width / 4.3m height
<b>GVW</b>	18000kg
<b>Passenger capacity</b>	65 seats + up to 24 standees in Transport for London specification
<b>Seats</b>	ADL SmartSeat, options of Lazzarini and ISRI/Esteban seats
<b>Accessibility</b>	Wheelchair access with manual ramp at front door or electric ramp at centre door
<b>Glazing</b>	Choice of bonded glazing and Quick Release Glazing (QRG)
<b>Heating and ventilation</b>	Blown-air heating system with forced air ventilation, option of air chill
<b>Hybrid system</b>	BAE Systems Series-E series diesel-electric hybrid system
<b>Diesel engine</b>	Cummins B4.5 (4 cylinder, 4.5 litre, 157kW (210PS), Euro 6)
<b>Electric motor</b>	BAE Systems DDTM100 permanent magnet motor (195kW peak power, 2100Nm peak torque)
<b>Energy storage system</b>	1kWh ultra-capacitor energy storage system
<b>Fuel and AdBlue tanks</b>	150l aluminium fuel tank and 25l plastic AdBlue tank
<b>Front axle</b>	Dana NDS80LF, drop centre, 55° lock angle
<b>Drive axle</b>	ZF AV133, drop centre