

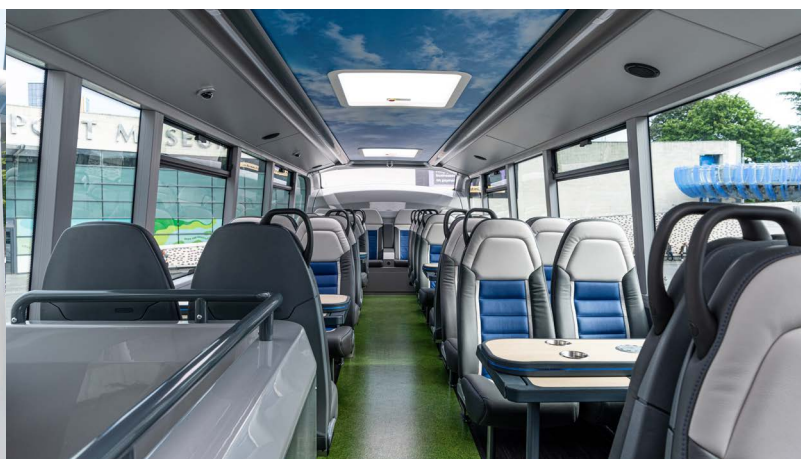


ALEXANDER
DENNIS

Enviro400FCEV

THE RANGE MASTER

The Alexander Dennis Enviro400FCEV is the double deck hydrogen-fuel cell bus that delivers a range of up to 300 miles. Part of the next generation of Alexander Dennis zero-emission buses, its integral vehicle design perfectly balances weight and maximises saloon space. Using a next-generation electric driveline and long-lasting battery, the Enviro400FCEV is backed up by AD24 whole-vehicle aftermarket support.



Features and benefits

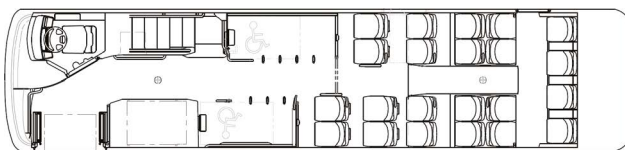
- Designed and built by Alexander Dennis
- AD24 whole-vehicle aftermarket support
- Next-generation electric driveline
- World-class fuel cell technology
- Long-lasting lithium-titanate battery
- Up to 300 miles range on a single fill
- Refill in five minutes
- Wide range of specification options



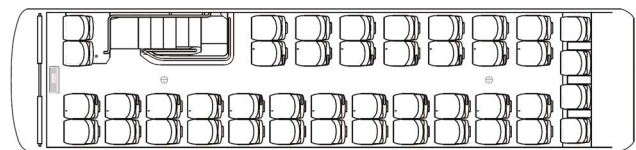
Technical specifications

Construction	Welded steel chassis and aluminium body
Dimensions	11.1m length / 5.8m wheelbase / 2.55m width / 4.3m height
Tyres	275/70 R22.5
Passenger capacity	Up to 88 passengers with up to 73 seats (45 in upper deck, 28 in lower deck)
Seating	Alexander Dennis SmartSeat or choice of other solutions
Accessibility	1 or 2 wheelchair spaces, with manual ramp at front or electric ramp at centre door
Electric motor	Voith Electrical Drive System HD, 350kW peak and 250kW continuous power
Fuel cell system	Ballard FCmove-HD, 45kW or 60kW
Energy storage system	Impact LTO lithium-ion battery, 30kWh
Hydrogen tanks	NPROXX composite pressure vessels, 29.4kg at 350bar
Operational range	Up to 300 miles on a single fill, depending on duty cycle and operating conditions
Climate system	Forced air circulation with zero-emission heat pump for heating and cooling

Sample seating layout



Lower deck with 22 seats + 2 wheelchair spaces



Upper deck with 44 seats