



MELLOR



## LOW FLOOR BUS

The widest range of low floor buses in the UK

# Low floor bus range

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Mellor low floor vehicles are the **future of flexible passenger transport**. The ultimate in groundbreaking size appropriate buses, every vehicle manufactured delivers excellence in passenger and operator experience.

Mellor's innovative range is designed to provide **efficient, accessible** and **sustainable** transport solutions, enhancing passenger comfort and maximising operational efficiency, all while reducing cost of ownership.

Innovation underpins every Mellor vehicle, resulting in a range of vehicles that offer incomparable quality, accessibility and performance. Mellor's design team go to extensive lengths to remove unnecessary weight while specifying the best possible components and insist on accelerated durability testing to deliver buses that are **truly fit for purpose**.

Efficiency in size, design and fuel economy ensure unrivalled suitability for lower patronage routes, while accessibility features deliver a superior passenger experience. And with the lowest possible cost of ownership, comprehensive warranties and best-in-class aftercare services, Mellor low floor buses are **driving change**.



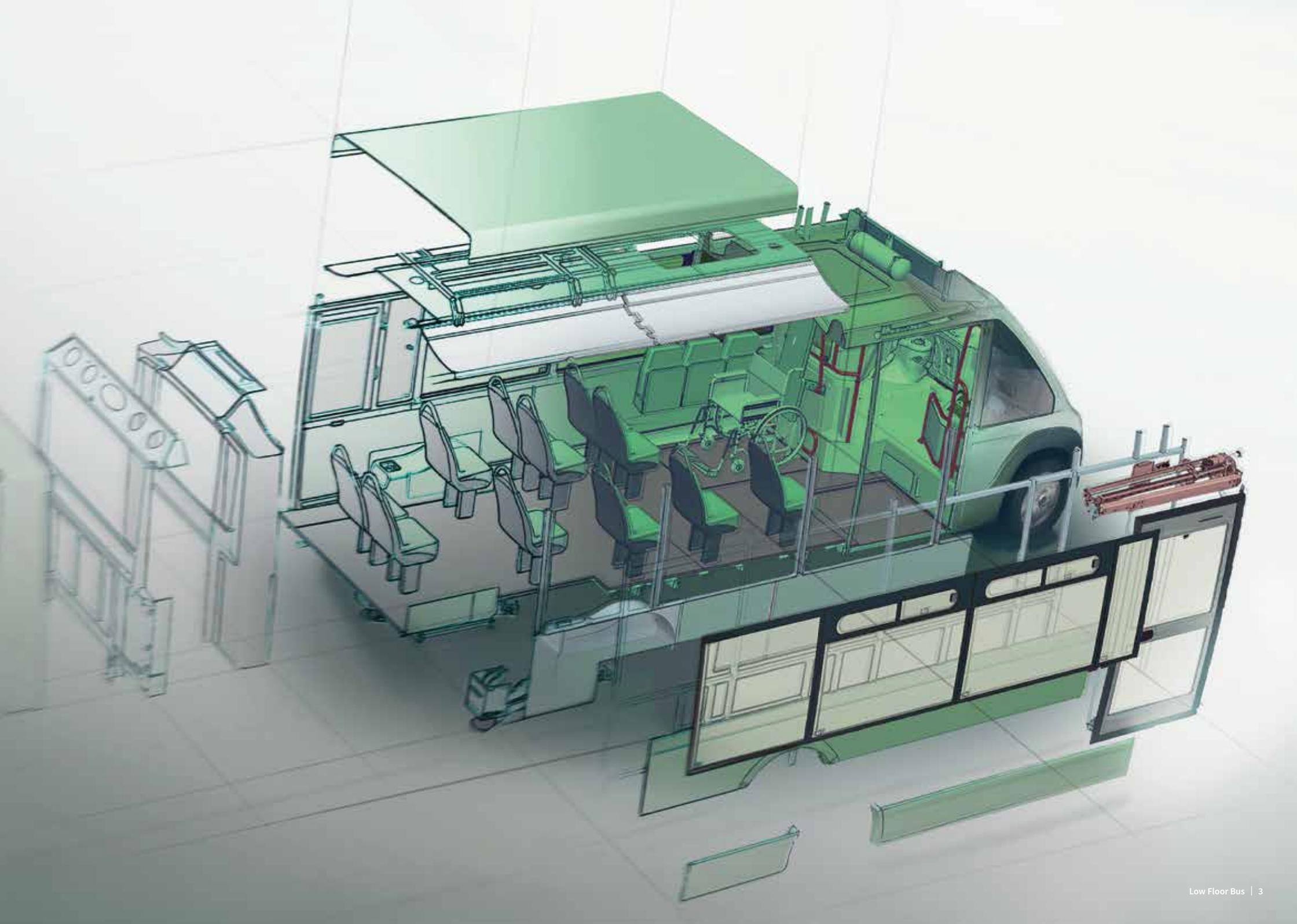
No LOLER testing



Passengers board quickly and safely



No expensive passenger lift maintenance





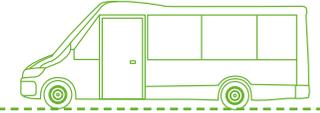
## Tucana

The Tucana has been **innovatively designed and engineered** to deliver excellent value. Low cost of ownership and purchase cost combine with progressive compliance and accessibility features to produce a stylish, compact vehicle that's **tailored to your service.**

Innovation is built into every facet of this vehicle. A fully flat low floor, sliding kerbside door, single step entry and flexible interior options ensure ultimate safety, adaptability and speedy boarding for all passengers.

It's easy to tailor the Tucana to specific operator needs. Highly configurable, it can be designed and engineered to suit **a range of budgets and passenger requirements.** Meanwhile, best in class ramp angles ensure a vehicle that's DDA compliant – but without a bulky passenger lift.

# Technical Specification



Base Vehicle	VW Transporter T6
CC	1968
Output PS at rpm	150 @ 3250-3750
Width	2080 mm
Gross Vehicle Weight	4100 kg
Entrance Door Width	950mm
No of cylinders	4
Emission Standard	Euro 6
Length	7012 mm
Height	2565 mm
Entrance Step Height	250 mm
Transmission	7 Speed DSG Auto / 6 Speed Manual

## Key facts

- ▶ Side access with kerbside ramp
- ▶ Optional rear access doors with fold out ramp
- ▶ Class leading 250mm height fully flat floor
- ▶ Space saving tip and fold seats
- ▶ Sliding door virtually eliminates kerb gap
- ▶ Euro VI Engine



Max. passengers - 15



Max. wheelchair positions - 4



GVW - 4100 kg



Power - 150 PS



Transmission - manual or auto

# The Orion Range

Operators depend on low floor buses to deliver **essential, accessible** services and convenient routes to communities. The Orion range - with its clever design, excellent fuel economy and low cost of ownership - equips any operator with a low floor bus that's **fit for purpose and efficient in every way.**

From the compact Orion to the larger Orion Plus, flexibility defines this range of size appropriate vehicles. They're the ideal size for marginal routes, rural highways and narrow streets while still offering a light, airy, big-bus feel. The Orion range is also easily configurable, with a multitude of seating and access options available. This ensures a small bus that delivers **maximum budget efficiency** without compromising on passenger service and experience.

No design detail has been overlooked in producing a bus range that excels in **both comfort and driver usability** while delivering leading fuel economy figures of 22mpg.



## Key facts

- ▶ **Folding kerbside ramp as standard**
- ▶ **Optional rear access doors, fold out ramp and lowering rear air suspension**
- ▶ **Ultra-low fully flat floor throughout**
- ▶ **Innovative tip and fold seats**
- ▶ **Climate control**
- ▶ **Wide aperture access to side and rear**
- ▶ **A multitude of seating configurations**
- ▶ **Complies with Bus and Coach Regulation UN ECE 107.02**

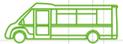
## Orion



Max. passengers - 16



Max. wheelchair positions - 5



GVW - 5000 kg



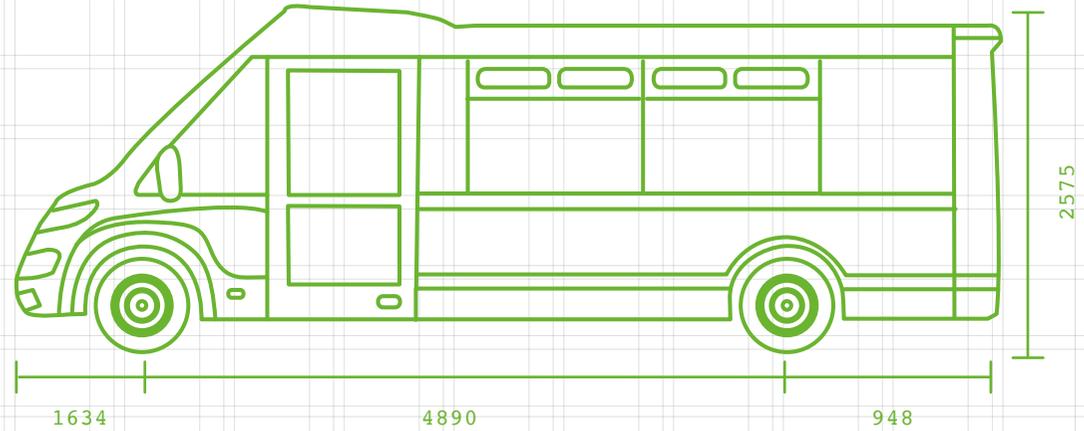
Power - 180 PS



Transmission - manual or auto



Fully electric variant



## Orion Plus



Max. passengers - 22



Max. wheelchair positions - 5



GVW - 5000 kg



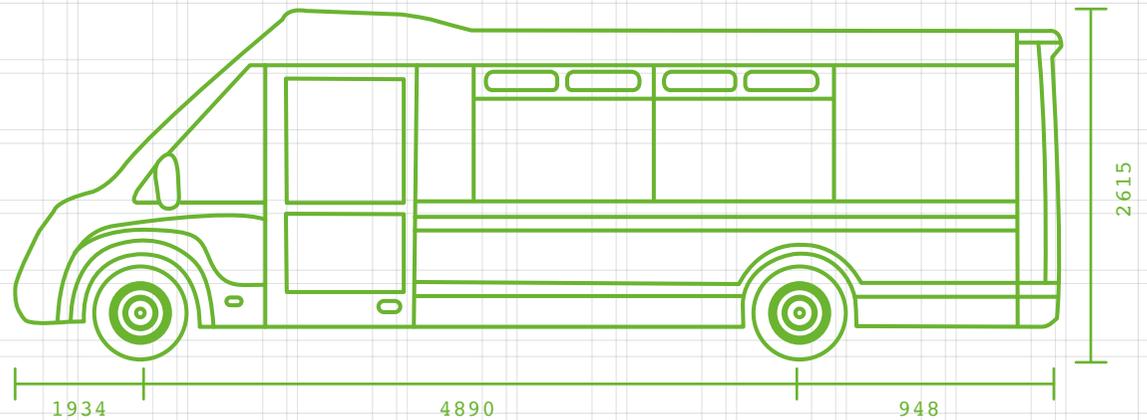
Power - 180 PS



Transmission - manual or auto



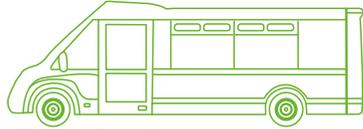
Fully electric variant



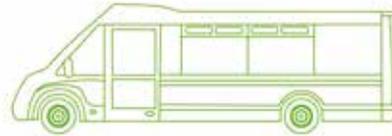


# Technical Specification

## Orion



## Orion plus



Base chassis	Fiat Ducato	
CC	2287	
Output	180 PS	
Width	2200 mm	
Gross vehicle weight	5000kg	
Transmission	9 speed ZF auto/ 6 speed manual	
No. of cylinders	4	
Emission standard	Euro 6	
Length	7497 mm	7797 mm
Height	2645 mm	
Wheelbase	4890 mm	
Turning radius	8.595 metres	



# The Orion *EVOLUTION*

Introducing the Orion Evolution from Mellor. The 5.5-tonne, **27-passenger** bus that delivers **remarkable operational flexibility**, with the potential to **make routes more profitable** and provide a genuine alternative to larger, uneconomical vehicles.

Day-to-day running **costs are minimised** courtesy of a frugal 180bhp Euro-6 diesel engine – capable of returning an impressive 20mpg – coupled to ZF's popular **nine-speed automatic gearbox**; ample power and a reliable, perfectly optimised drivetrain to keep the Orion Evolution on the road generating revenue. And, with a firm eye on the global shift towards New Energy mobility, **Mellor also offers the Orion Evolution with a fully-electric drivetrain** for operators looking to commit to zero emissions.

Based on **Mellor's proven low-floor chassis**, the Orion Evolution boasts lightweight yet exceptionally robust body characteristics, engineered to **meet the demands of both urban and rural route profiles**, and with a class-leading interior specification to deliver a safe, smooth and comfortable ride for passengers.

The Orion Evolution also offers operational benefits to deliver further savings, including low-cost repair and maintenance and a widely available OEM parts stock. With a **10-year structural warranty** the Orion Evolution becomes **much more than an attractive business proposition**.



## Key facts

- ▶ Ultra-low fully flat floor throughout
- ▶ Up to 27 passengers
- ▶ 10 year structural warranty
- ▶ Light, airy and modern passenger area
- ▶ Wide variety of seating and hand-rail options
- ▶ Equipped with display equipment and bell bushes
- ▶ Wipe-clean and hardwearing surfaces
- ▶ Rear side emergency door
- ▶ Low purchase price and lower running costs compared to larger single deck buses

## Orion *EVOLUTION*



Max. passengers - 27



Max. wheelchair positions - 1



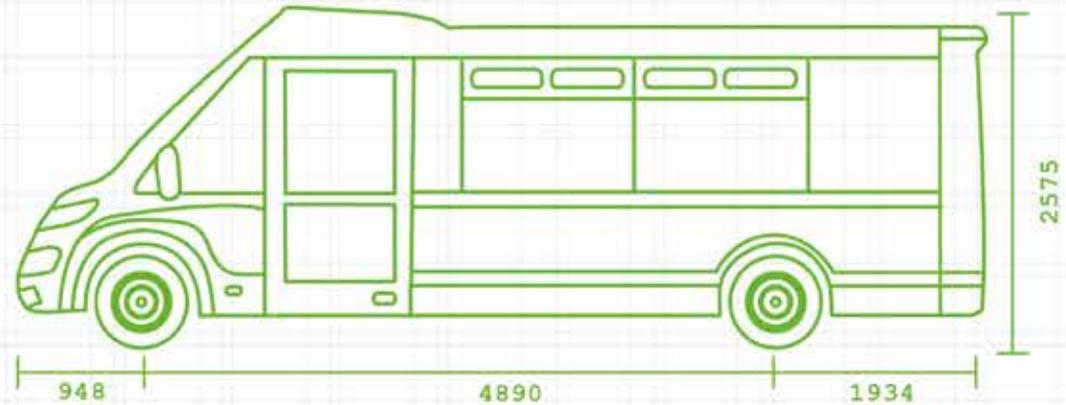
GVW - 5500 kg



Power - 180 PS



Transmission - auto



## Orion *EVOLUTION E*



Max. passengers - 20



Max. wheelchair positions - 1



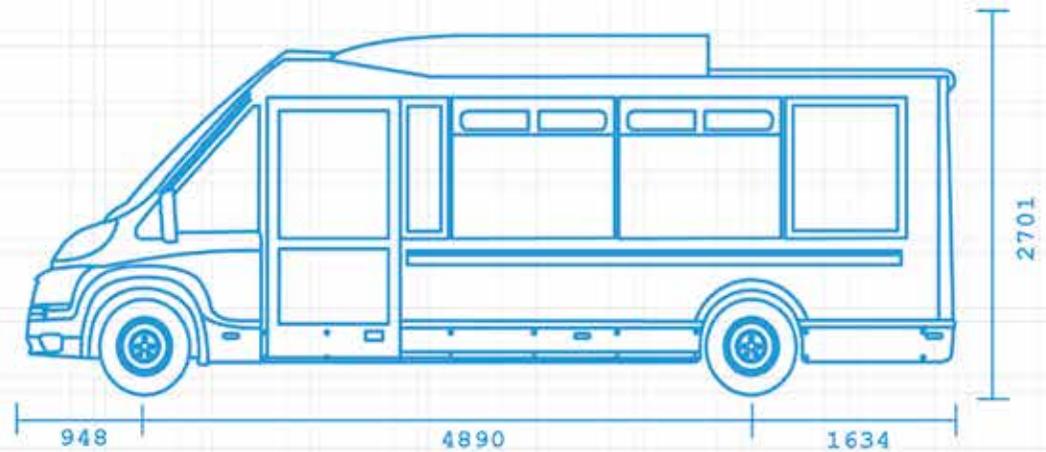
GVW - 5500 kg



Range - 160 km

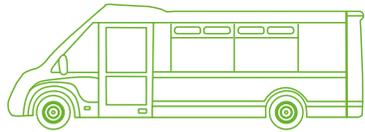


Transmission - auto



# Technical Specification

## Orion *EVOLUTION*



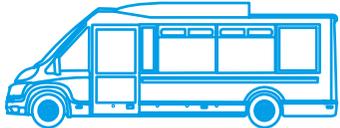
Base chassis	Fiat Ducato
CC	2287
Output	180PS
Width	2200mm
Gross vehicle weight	5500kg
Transmission	9 speed ZF auto
No. of cylinders	4
Emission standard	Euro 6
Length	7779mm
Height	2645mm
Wheelbase	4890mm
Turning radius	8.595 metres





# Technical Specification

## Orion *EVOLUTION-E*



<b>Battery</b>	2 strings 92 kWh
<b>Configuration</b>	Front wheel drive via electric motor and reduction gear
<b>Range</b>	160 km
<b>Charging Device</b>	22 kW = 4.25 hours 44 kWh = 2.15 hours
<b>Transmission</b>	E-Gear Ratio 7.3:1
<b>System Voltage</b>	400 V DC nom
<b>Motor Power</b>	96 kW
<b>Top Speed</b>	90 kmph/56 mph
<b>Max Incline Take Off</b>	25 degrees

# The Strata Range

The Strata range – comprising of the **Strata**, **Strata Plus** and **Strata Ultra** - supports operators in delivering accessible, reliable transport services whilst enjoying class-leading fuel economy and exceptional total cost of ownership.

Equally well suited to quieter routes as it is busier urban networks, the Strata is perfect for any operator looking to expand their small low floor bus fleet with vehicles that **prioritise both passenger comfort and operational efficiency**. With an innovative low floor saloon area and space for 2 wheelchairs, the Strata range is custom engineered to meet diverse needs and make bus travel more accessible, comfortable and convenient.

The Strata range is built on the outstanding Mellor low-frame chassis, which has undergone accelerated 8-year durability testing to ensure operator investment is rewarded by a lifetime of reliable ownership.

Strata buses can be configured to accommodate 30 passengers and feature a light and airy passenger area complete with modern amenities.

Offering enhanced operational efficiency, competitive fuel consumption and lower total cost of ownership figures when compared to traditional single-deck buses, Strata vehicles are as **excellent choice for lower patronage routes**.

## Key facts

- ▶ **Single step entry low floor bus**
- ▶ **Up to 30 seated passengers or 2 wheelchairs**
- ▶ **Light, airy and modern passenger area**
- ▶ **Wide variety of seating and hand-rail configurations**
- ▶ **Seatbelts (optional), seats and fittings certified to ECE regulations for category M3 vehicles**
- ▶ **Equipped with display equipment and bell bushes**
- ▶ **Wipe-clean and hardwearing surfaces**
- ▶ **Rear side emergency door**
- ▶ **Low purchase price and lower running costs compared to larger single deck buses**
- ▶ **LEB certified**



# Why choose a Strata bus



## Operator Benefits



Durability tested



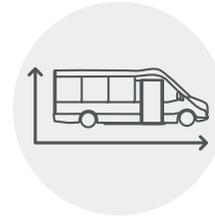
Narrow width, small and nimble – ideal for first mile/last mile routes



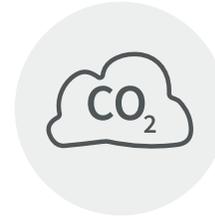
Global OEM service network



## Environmental Benefits



Size appropriate



Euro VI



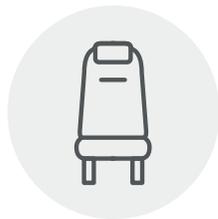
22 MPG



## Passenger Benefits



Exceptional passenger experience



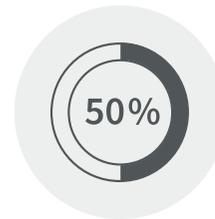
Class leading seated passenger capacity



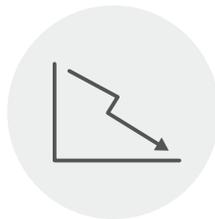
Low floor for ease of access



## Cost Benefits



Up to 50% reduction in fuel costs\*



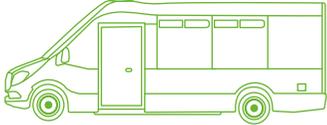
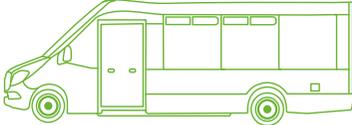
Service costs and total cost of ownership reduced\*



LEB certified for further fuel rebate

\*vs large single deck bus

# Technical Specification

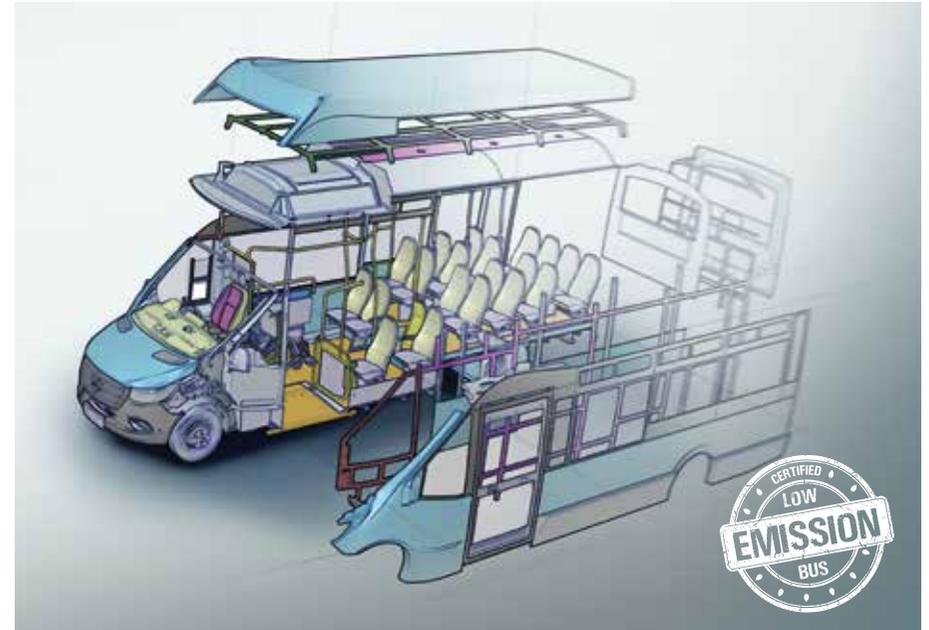
	Strata	Strata plus	Strata Ultra
			
<b>Base chassis</b>	Mellor Low-Frame		
<b>CC</b>	2143		
<b>Power</b>	163 bhp		
<b>Width</b>	2300 mm		
<b>Gross vehicle weight</b>	5500 kg		6000 kg
<b>Transmission</b>	7 Speed automatic		
<b>No. of cylinders</b>	4		
<b>Emission standard</b>	Euro VI		
<b>Length</b>	7760 mm	8105 mm	8775 mm
<b>Height</b>	2760 mm		
<b>Wheelbase</b>	5100 mm		
<b>Turning circle</b>	17 Metres		

# The Strata

Mellor's ground-breaking low floor solution for operators, **the Strata** is the only Mercedes-Benz approved low floor Sprinter in the UK which offers **exceptional total cost of ownership** and **operational efficiency**. With an innovative low floor saloon area, space for 2 wheelchairs and a wide variety of configurable extras, the Strata is perfect for operators looking to change the way in which services are delivered whilst **retaining low-floor accessibility and passenger comfort**.

While still being the perfect size for navigating rural routes and built-up streets alike, this small bus is spacious and configurable with class leading seated passenger capacity, meaning that operators can maximise efficiencies whilst delivering a **comfortable, convenient passenger experience**.

The Strata is the smallest bus range to date to have met the stringent requirements of ULEB certification which means operators also benefit from BSOG rebates under the governments LCEB scheme.



Max. passengers - 22



Max. wheelchair positions - 2



GVW - 5500 kg



Power - 163 bhp



Transmission - 7 Speed automatic



LEB certified

# The Strata Plus

The **Strata Plus** is a **revolutionary low floor bus** with increased seating capacity, making it ideal for busier routes. A modern, flexible vehicle engineered with class leading capacity, the Strata Plus helps operators to maximise operational efficiency whilst benefitting from BSOG rebates under the LCEB scheme. It offers enhanced passenger carrying capacity compared to smaller models and is ideally suited to routes with slightly higher patronage.

Engineered with **innovative features and technology**, the Plus helps reduce operating costs while enhancing passenger comfort, accessibility and convenience.

With accessible low floor boarding, capacity for 26 passengers, 2+2 seating and space to accommodate 1 wheelchair, the Strata Plus is ideal for carriers looking to add flexibility to their fleet.

The Strata Plus embodies the proud Mellor philosophy of using lightweight components and robust engineering practices, for **optimal vehicle performance and lifespan**.



Max. passengers - 26



Max. wheelchair positions - 1



GVW - 5500 kg



Power - 163 bhp



Transmission - 7 Speed automatic



LEB certified

# The Strata Ultra

The **Strata Ultra** is a new dimension of low floor small bus that's pushing the boundaries of passenger experience and operator service. With **enhanced seating capacity, class-leading fuel economy and exceptional total cost of ownership**, the **Strata Ultra** delivers unrivalled value, performance and passenger comfort.

Designed and manufactured from the ground up by Mellor using CAD CAM technology, the **Strata Ultra** is uniquely fit for purpose and boasts **best-in-class accessibility, usability and technology features** for both driver and passenger. These include wall and seat mounted USB points, 10.2 inch touch screen navigation, a reversing camera and much more.

With accessible single step boarding and an innovative low floor saloon, an impressive 30 passengers and space to accommodate 1 wheelchair, **the Strata Ultra is perfect for operators needing a small bus that supports busier or fluctuating routes in rural and built-up urban areas**, while remaining competitively efficient.

As well as its modern good looks, the **Strata Ultra** embodies the proud Mellor philosophy of using lightweight components and robust engineering practices, for optimal vehicle performance and lifespan.



Max. passengers - 30\*



Max. wheelchair positions - 1



GVW - 6000 kg

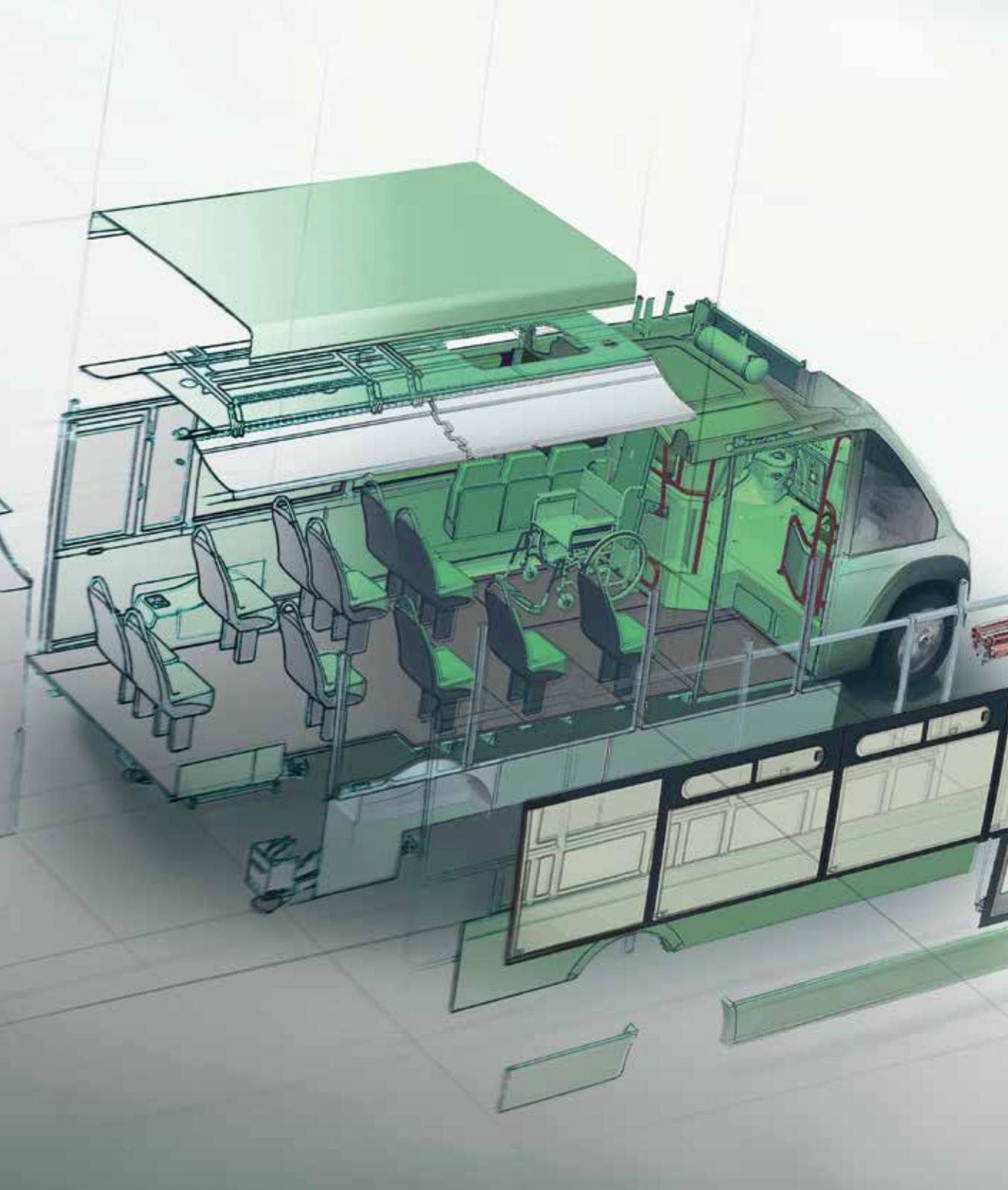


Power - 163 bhp



Transmission - 7 Speed automatic

\*max. passengers reduced to 29 with seatbelts fitted



- ▶ The future of flexible passenger transport.

Every vehicle we manufacture is built to deliver excellence in passenger and operator experience. Above all else, our innovative products provide efficient, accessible and sustainable transport solutions.

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