



## Elite Chassis

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# Direct vision at a glance



The safety of drivers, crews and vulnerable road users is paramount and Dennis Eagle's Elite 6 chassis leads the way in safer vehicle design.

It was the highest rated chassis by Loughborough Design School when setting up the Direct Vision Standard for Transport for London and the only vehicle to be awarded a five-star rating in all its configurations.

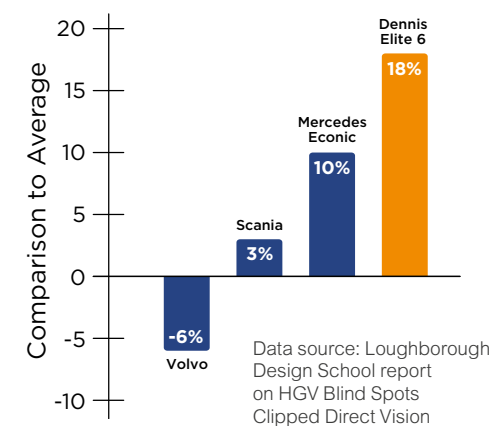
Direct vision is so important because research shows drivers react faster if they see a hazard directly through a window, rather than indirectly in a mirror.

A fundamental design principle of the Elite 6 has always been that it must integrate safely with the communities in which it operates. This means allowing the driver to anticipate hazards, obstacles and vulnerable road users in the surrounding environment.

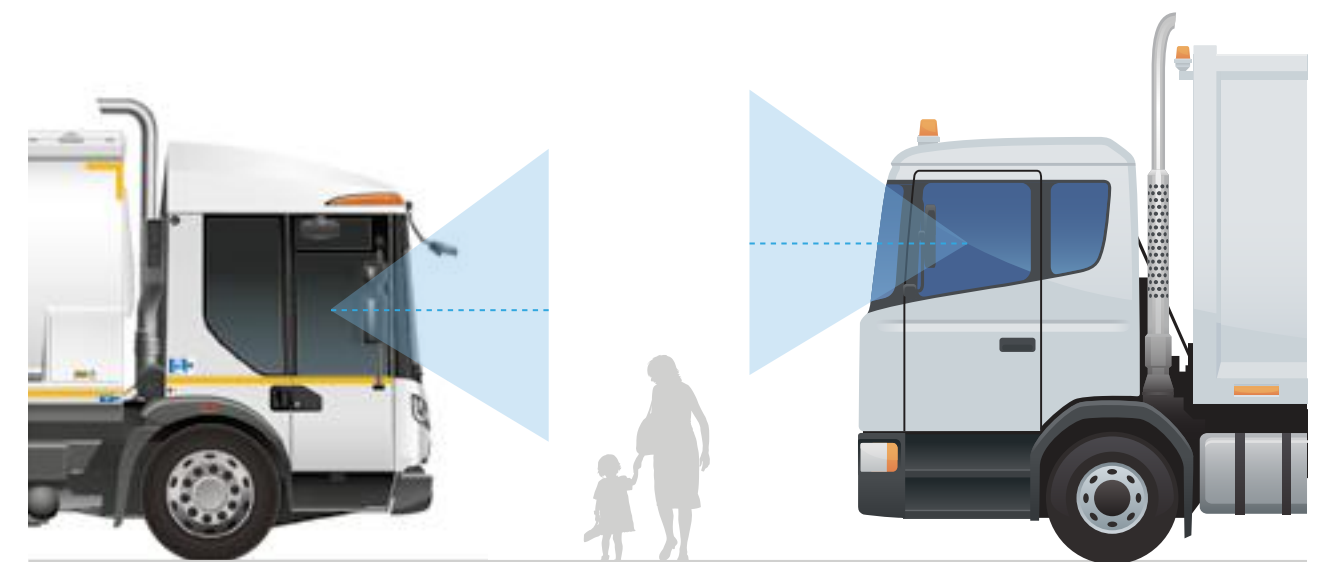
With a large, panoramic windscreen, the Elite 6 has deeper windows than most conventional cabs to provide better visibility when manoeuvring or turning.

Having the driver's seat positioned lower also helps stop pedestrians or cyclists disappearing from view when close to the vehicle.

These features combine to give drivers the best direct vision to the front and sides of any of the UK's most popular heavy goods vehicles.



The Elite 6 cab (left) provides drivers with the best direct vision of any HGVs tested for TfL by having a panoramic windscreen, deep side windows and a lower driver's seating position than conventional cabs (right).



Elite 6 Cab

Traditional Day Cab



# A range of configurations

Different operational environments present their own demands and, whether you are seeking maximum collection volume or require a vehicle to cope with the challenges of a built-up urban area, we have a configuration to suit.

We are the only refuse collection vehicle manufacturer to offer a low-entry chassis in 'standard' and 'narrow' options with a range of wheel plan configurations to meet different operational requirements.

Both feature the same cab made of stainless steel for strength and corrosion resistance, both chassis variants have been awarded the five-star Direct Vision Standard rating and are crash-test approved to meet ECE Regulation 29 for optimum safety.



## Narrow Width

The streamlined Elite 6 Narrow is 25cm narrower than its standard counterpart. This allows for smoother progress through urban streets, rural roads or areas with restricted access. Wheels lie flush under the vehicle, reducing the risk of contact with roadside vehicles or other obstacles and exceptional payload efficiency is achieved through vehicle weight savings.

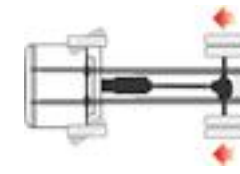
It comes with a choice of wheelbase sizes ranging from 3250mm to 5600mm, depending on the configuration:

- 4 x 2
- 6 x 2 Mid Lift
- 6 x 2 Mid Steer
- 6 x 2 Rear Steer

## Standard Width

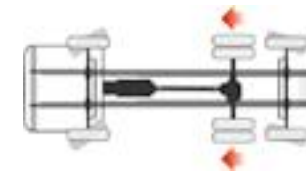
The standard Elite 6 offers six different axle configurations for enhanced operational flexibility. It is particularly suited to collecting light but bulky materials, such as plastic and cardboard and it is capable of collecting increased volume when combined with our standard width body. Its 2500mm base gives a greater choice of wheelbase sizes, from 3500mm to 6400mm, depending on the wheel configuration:

- 4 x 2
- 6 x 2 Mid Lift
- 6 x 2 Mid Steer
- 6 x 2 Rear Steer
- 6 x 4
- 8 x 4



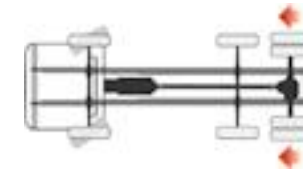
## 4x2 (narrow or standard width)

The versatile Elite 6 4x2 is ideal for applications where weight limits prevent the use of a three or four-axle vehicle or areas where access and manoeuvrability are key. It is available with a range of wheelbase lengths up to 5600mm (Narrow) and 5800mm (Wide).



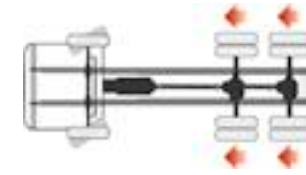
## 6x2 Rear-Steer (narrow or standard width)

It has the same turning circle as the 4x2 but the 6x2 Rear-Steer can take a larger body size, making it ideal for bulky waste, such as plastics and cardboard. It provides excellent manoeuvrability, is easy to use and efficient, helping operators reap rewards.



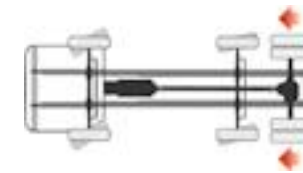
## 6x2 Mid-Lift (narrow or standard width)

The 6x2 Mid-Lift comes with wheelbase lengths from 4050mm to 5200mm, making it a popular choice with operators seeking to improve efficiency of their rounds and payload per volume. The middle axle can be raised for larger vehicles, providing enhanced manoeuvrability.



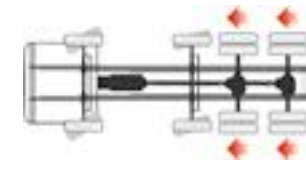
## 6x4 (standard width only)

The twin drive rear axles of the 6x4 enable it to make light work of heavy ground or hilly terrain. It has traditionally been regarded as the workhorse of most local authority fleets because of its suitability for landfill use and it can carry loads up to 26 tonnes. It is in lengths from 4650 to 5800mm.



## 6x2 Mid-Steer (narrow or standard width)

With wheelbase lengths from 4600mm to 5500mm, the 6x2 Mid-Steer is not only efficient but also offers the important operational benefit of reduced tyre scrub, meaning less damage when negotiating areas with restricted room to manoeuvre.



## 8x4 Mid-Steer (standard width only)

Its compatibility with body sizes up to 27m<sup>3</sup> – including the Twin Pack body for dual waste streams – makes the standard 8x4 Mid-Steer a very versatile vehicle. Delivering maximum payload makes it ideal for wheeled-bin domestic collections.

# Elite 6: features and benefits



## Top ranked in the Direct Vision Standard

When Transport for London devised the Direct Vision Standard using all the most popular HGVs on the UK's roads, the two Elite 6 vehicles (Standard and Narrow) were rated higher than any other truck. They were two of only three HGVs to receive a five-star rating.



## Low-entry walk-through cab

The Elite 6 has the lowest entry cab on the market, at just 495mm from floor-to-step. Its flat and unobstructed cab floor helps operators and crews work efficiently and safely.



## Flexible Configurations

Available in Standard and Narrow width variants, the Elite 6 comes with a variety of wheel plan configurations including 4x2, 6x2 Mid-Lift, 6x2 Mid-Steer, 6x2 Rear-Steer, 6x4 and 8x4.



## Narrow cab option for tight spaces

The Elite 6 Narrow is available in four configurations with 18 different wheelbases in various sizes up to 5800mm, allowing vehicles to negotiate tight spaces with ease.



## Short chassis overhang for added manoeuvrability

At just 1685mm, the Elite 6 has the shortest low-entry chassis overhang on the market, reducing the overall length of the vehicle to give an optimum turning circle for maximum manoeuvrability.



## Innovation driven by expertise

We aim to develop products that meet our customers' needs by actively seeking their feedback. The Elite 6 is a perfect example of this. It is the result of many years' research, development and expertise and its successful design is a firm favourite with the industry.



## Elite 6: features and benefits



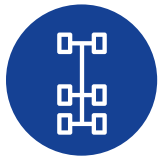
### Spacious cab layout for crew

The Elite 6 comfortably accommodates a driver and three crew members as standard. For larger teams a fifth seat can also be added.



### Air Suspension for a smoother ride

Front systems include Full Air suspension for Standard width vehicles and Air Assist for Narrow variants. Rear air suspension is fitted to both, giving a smoother ride and increased stability.



### Strong chassis frame

The 10mm non-fletched frame has no unnecessary holes drilled so its strength is not compromised.



### LoadSense for axle overload protection

Dennis Eagle's LoadSense axle overload protection system will safeguard your vehicle, ensuring it doesn't exceed its Gross Vehicle Weight and remains compliant with legislation.



### LED Lighting Pack

Brighter and more durable LED corner cab beacons, front-mounted strobes and running lights improve the vehicle's visibility and provide more illumination to help operators work safely.

