

**V O L V O**

# **Volvo B8R – MCV eVoTor**





## Comfortable, affordable, reliable

The Volvo B8R – MCV eVoTor can be your next leap in productivity. An attractively priced coach with 53 or 55 seats, based on the Volvo B8R chassis. Superior fuel efficiency and renowned reliability will keep cost down and uptime up. Your passengers will appreciate the pleasant interior climate as well as the ride comfort.

Simply put, a workhorse and a money-maker.



## Optimise uptime and minimise total operational cost

A profitable coach operation rests on two fundamentals – uptime and controlled operational costs. With the Volvo B8R – MCV eVoTor your business will benefit from the excellent fuel efficiency of the globally successful Volvo D8K engine. Add to that the proven reliability, supported by Volvo's extensive service network and parts logistics.

### In Volvo Safety

The Volvo B8R – MCV eVoTor features advanced functions for driver assistance with a special focus on avoiding risk for accidents. Collision Warning with Emergency Brake and Lane Keeping Support in addition to Electronic Stability Control and a state-of-the-art braking system. Excellent visibility and ergonomics help the driver to stay focused and alert.

### A comfortable ride

Your passengers' impression of comfort depends on virtually all components of the vehicle. Wheel suspension and directional stability, low noise, a controlled climate and the seat comfort add up to a pleasant experience. The Volvo B8R – MCV eVoTor will give just that, to your passengers, and to your drivers as well.



# An all-dimensional safety concept

Safety starts with safe driving. That's why Volvo focuses on the driver's performance. The vehicle's behaviour in combination with Volvo's active safety systems help to avoid and prevent incidents. In the unlikely event of an accident there are features for protection of driver and passengers and reducing injuries.

## Protective safety

The chassis and body will withstand and absorb substantial forces in the event of a collision. Entirely made from corrosion-free stainless steel, the body structure boasts outstanding durability and strength. The front end has a reinforced crash-absorbing frame, safeguarding the driver, courier, and passengers. And, of course, all passenger seats can be equipped with three-point seatbelts.

## Zone Management

Zone Management promotes improved traffic safety as a main benefit by defining safety zones. Volvo Safety Zones is a refinement of geofencing technology where we add intelligence and functionality to the vehicle. You simply set the borders of a zone and set the maximum speed you want to permit.



# Take the journey

## Pamper your passengers

Welcome your passengers into a spacious and bright cabin. Volvo B8R – MCV eVoTor comes as a 53-seat coach that includes a toilet, or a fully seated variant with 55 seats. The seats feature high-quality moquette and synthetic leather upholstery, while the sides are covered in smooth textile fabric. Heating through air convectors and a powerful 34 kW air conditioner make for a pleasant interior climate. Double-glazed and tinted windows, make for efficient heating and cooling, as well as lowered interior noise.

## Comfort and convenience

Above the seats, full-length luggage racks offer generous space for your passengers' hand luggage. Infotainment is provided by a Bosch audiovisual system with two 19" screens. And at night the cabin LED lighting can be dimmed and replaced by the blue gangway nightlights.

## PSVAR-compliant wheelchair lift

Your Volvo B8R – MCV eVoTor can be specified with a nearside wheelchair lift, accessed through a manual, hinged door. The space needed is made available by using the quick-release mechanism of the two double seats by the door.



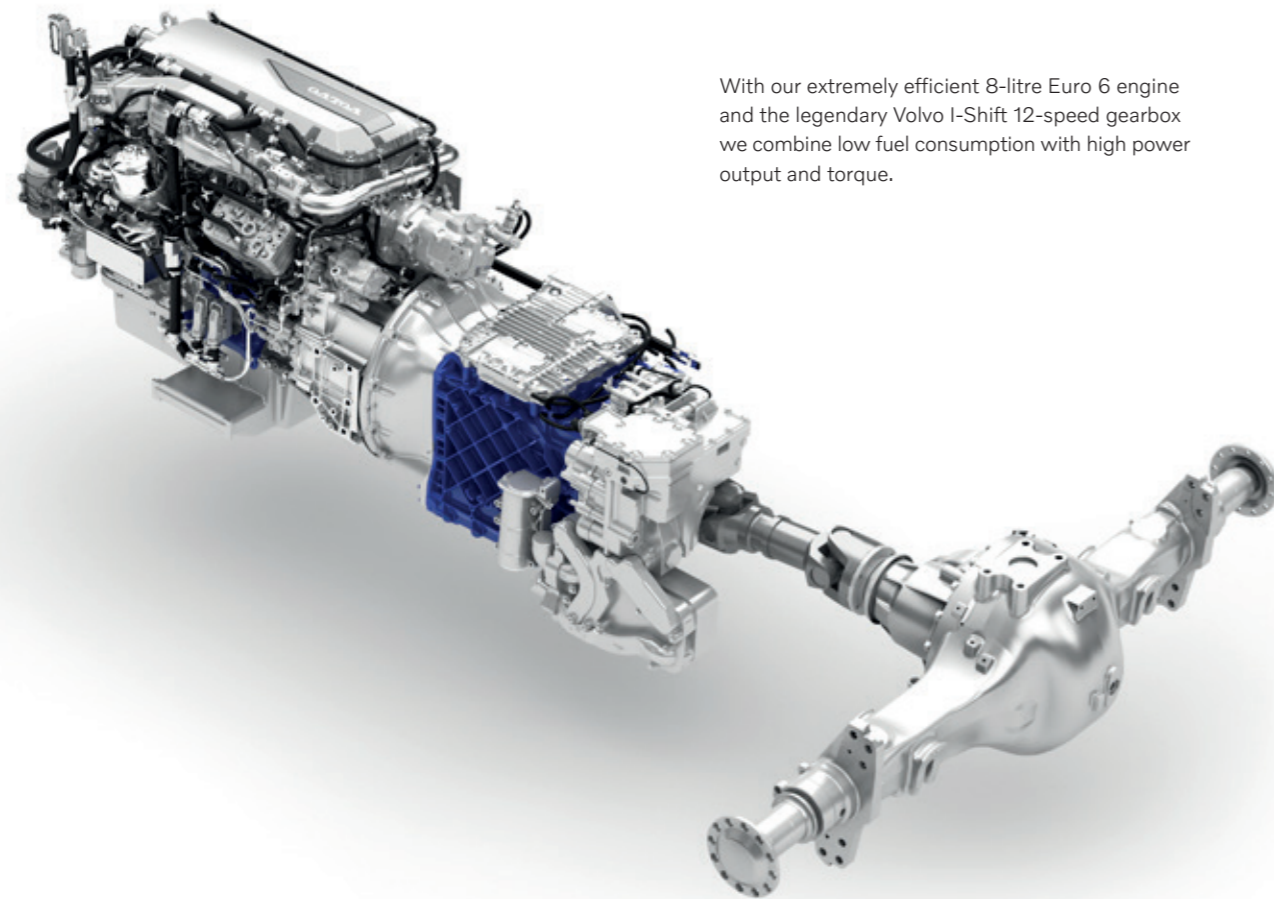
# Made to keep running

## Keep track of your fuel savings

Fuel cost is crucial. We can do little about price but quite a lot about consumption. The Volvo B8R – MCV eVoTor features a 8-litre Euro 6 engine, maintaining a world-class fuel-efficiency position. For your support, we continuously develop services within the Volvo Connect portal that increase overall efficiency. Long service intervals and individually adapted maintenance plans can further cut maintenance cost. Bottom line profit from day one.

## A rewarding workplace

Driving a Volvo coach is smooth and intuitive. Excellent ergonomics with all relevant information gathered in the instrument cluster right in front, and all controls within easy reach. The driver's seat is air suspended, with two armrests, integrated lumbar support and three-point seatbelt.



With our extremely efficient 8-litre Euro 6 engine and the legendary Volvo I-Shift 12-speed gearbox we combine low fuel consumption with high power output and torque.

# Facts and figures

| Dimensions and weights           |             |
|----------------------------------|-------------|
| Length (m)                       | 12.6        |
| Width (m)                        | 2.55        |
| Height (m)                       | 3.6         |
| Permitted GVW (kg)               | 19,500      |
| Luggage volume (m <sup>3</sup> ) | 9 (approx.) |

| Powertrain        |  |
|-------------------|--|
| Emission standard | Euro 6   |
| Engine            | Volvo D8K, 6-cylinder, in-line diesel engine with common rail injection  |
| Output (hp)       | 350 hp standard, optional 320 hp available   |
| Torque (Nm)       | 2100 rpm. Max. torque 1585 Nm at 1200–1600 rpm.  |
| Transmission      | Volvo I-Shift Automated Mechanical Transmission (AMT), or ZF 6AP1420B Automatic Transmission. Retarder is standard on all transmissions. |

| Fuel tanks  |     |
|-------------|-----|
| Diesel (l)  | 480 |
| Ad Blue (l) | 48  |

| Axles, suspension and steering |   |
|--------------------------------|---|
| Front axle                     | Volvo Beam Axle   |
| Rear axle                      | Volvo's single reduction axle with optimised ratios                                       |
| Suspension                     | Electronically controlled air suspension with kneeling function available on all variants |
| Power steering                 | Hydraulic power steering  |
| Tyres                          | 295/80 R22.5"   |
| Wheels                         | Alcoa Dura-Bright Alloy Wheels  |

| Exhaust system   |
|--|
| One box system.  |
| Volvo Exhaust Aftertreatment System combining SCR, EGR and DPF (Selective Catalytic Reduction, Exhaust Gas Recirculation and Diesel Particulate Filter). |
| Automatic regeneration of DPF without driver intervention in normal service.   |

| Brakes  |
|---|
| Collision Warning with Emergency Brake (CW-EB). Electronic Braking System (EBS 5) and Electronic Stability Control (ESC). Volvo Engine Brake (VEB) and Brake Blending function. |

| Driver's environment   |
|--|
| Spacious driver's environment with wide range of individual adjustments for outstanding ergonomics and comfort.                                |
| Instrument cluster with enhanced HMI.  |
| ISRI Driver's seat – Air suspension driver seat, fully adjustable, with lumbar support, headrest, hands-free microphone, three-point seatbelt. |

| Passenger information                              |
|--|
| Bosch audiovisual system with two 19" screens.     |
| Front, side and rear white LED destination panels. |

| Wheelchair space  |
|---|
| In compliance with the latest PSVAR requirements, one wheelchair space is available with quick-release seats when not in use. |

| Toilet  |
|---|
| Centre sunken fresh water toilet with hand drier, wash basin, hot water boiler, cup dispenser, litter bin and toilet roll holder. The toilet is also equipped with a smoke alarm linked to the dash for driver warning. |

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Equipment that is shown or mentioned in the folder may be optional or available as an accessory and may vary from one country to another. We retain the right to alter product specifications without prior notification.