### Overall dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Overall length (mm)</td>
</tr>
<tr>
<td>A</td>
<td>Overall width (mm)</td>
</tr>
<tr>
<td>C</td>
<td>Overall height (mm)</td>
</tr>
<tr>
<td>D</td>
<td>Wheelbase (mm)</td>
</tr>
<tr>
<td>G</td>
<td>Front overhang (mm)</td>
</tr>
<tr>
<td>H</td>
<td>Rear overhang (mm)</td>
</tr>
<tr>
<td>O</td>
<td>Approach angle (°)</td>
</tr>
<tr>
<td>P</td>
<td>Departure angle (°)</td>
</tr>
<tr>
<td>P</td>
<td>Turning radius (outer front corner) (mm)</td>
</tr>
<tr>
<td>P</td>
<td>Turning radius (outer front wheel) (mm)</td>
</tr>
<tr>
<td>O</td>
<td>Overall height, approach and departure angles with tyres</td>
</tr>
</tbody>
</table>

### Weights

<table>
<thead>
<tr>
<th>Model</th>
<th>Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Permitted front axle load (kg)</td>
</tr>
<tr>
<td></td>
<td>Permitted drive axle load (kg)</td>
</tr>
<tr>
<td></td>
<td>Permitted GVW (kg)</td>
</tr>
</tbody>
</table>

### Electrical motor

<table>
<thead>
<tr>
<th>Model</th>
<th>Electrical motor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Output, max (kW)</td>
</tr>
<tr>
<td></td>
<td>Max wheel torque (Nm)</td>
</tr>
</tbody>
</table>

### Transmission and axles

<table>
<thead>
<tr>
<th>Model</th>
<th>Transmission and axles</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gearbox</td>
</tr>
<tr>
<td></td>
<td>Front axle</td>
</tr>
<tr>
<td></td>
<td>Rear axle</td>
</tr>
<tr>
<td></td>
<td>Differential lock</td>
</tr>
</tbody>
</table>
Model | 4 x 2, 12.0 m

**Steering and suspension**
- **Steering wheel side**: LHD/RHD
- **Power steering**: Electric driven hydraulic steering
- **Kneeling**: Standard

**Charging system**
- Three different charging systems available
- Charging time depends on topography, load, climate and drive cycle

**Volvo Opportunity Charging (OppCharge)**
- Maximum charge power 300 kW
- Roof-mounted interface, installed above front axle for conductive charging (The same position as on Electric Hybrid)
- Fully automatic charging sequence

**CCS DC**
- Maximum charge power 150 kW
- Front charging comes as standard
- Side and rear charging are optional *
- European standard connector
- Manual Connection

* Removes front charging. Only one inlet can be installed per vehicle.

**CCS AC**
- Maximum charge power 11 kW 400 V AC
- European standard connector
- Manual Connection

**Energy storage system**
- Lithium-ion battery
- Coolant cooled and heated
- Automatic temperature controlling of batteries

**Voltage**
- 600 V

**Capacity (total energy)**
- 150, 200 or 250 kWh

**Cooling system**
- Electrically driven fans with improved speed control
- No coolant filter
- Coolant level warning in instrument cluster
- Higher allowed coolant temperature for better cooling performance

**Tyres and rims**
- Steel rims available
- **Rims**: 7.5 x 22.5*
- **Tyres**: 275/70 R22.5

**Air and brake system**
- Volvo disc brakes
- Electronic Braking System (EBS 5)
- Anti-lock Braking System (ABS)
- Acceleration Slip Regulation (ASR)
- Brake blending
- Hill Start Aid
- Brake temperature warning
- Poor brake performance warning
- Door brake
- Brake Assistant
- Lining wear sensing and analysis
- Automatic calibration after brake pad change
- Compressed air system, easily filled from external circuit

**Exterior and structure**
- Volvo's patented lightweight aluminium body concept
- Front and rear wall in composite material and ABS elements
- Front and rear structure in anti-corrosion steel
- Double tinted glazing
- Multilayer exterior paint finish
- Easy repair of minor damages
- Parts commonality between city and intercity buses to lower maintenance cost
- Anti-corrosion treatment of underbody with conservation sealing and silencing agents
- LED headlamps
- LED Daytime running lights
- Auxiliary lights and fog lights as options
- Electrically adjustable and heated external mirrors

**Doors and door system**
- Electric door system
- Inward gliding and outward sliding doors available
- Double glazing in all doors
- Electric sensitive edge for increased passenger safety
Climate system
• Roof-mounted HVAC unit (Heating, Ventilation and Air Conditioning, including heat pump functionality)
• Pipe convectors and air blowers
• Air blowers at doors
• Defroster with AC
• Driver convector or blower
• Auxiliary diesel/electric heater
• Separate climate zones for driver and passengers
  - For optimal climate and energy efficiency, the passenger temperature is controlled by a pre-set temperature curve
  - The temperature in the driver's area is manually controlled

Capacity
Roof heating mode:
- 28 kW Water
- 9 kW Heat pump (Air/Air)

AC mode (35/40/47%):
- 25 kW

Defroster:
- Heating Q80
- 18 kW
- Cooling
- 5.5 kW
- Air flow
- 880 m³/h

Convectors:
- 551 W/m at Δ temp. 60 °C

Driver AC:
- For hot markets: Electrical roof-mounted driver AC, connected to defroster
- Standard: Defroster connected to passenger AC unit

Auxiliary heater:
- Fuel (Diesel/HVO/Biodiesel) 16 kW
- Electric 14 kW

Interior
• Spacious and bright
• Comfortable
• Integrated position for passenger information displays
• Interior LED lights
• Low noise level

Passenger seats
Volvo city seats featuring:
• Optimised city bus seat
• Easy maintenance
• Available in a wide range of specifications to meet the demands of individual customers

Driver's seat and station
• Volvo dashboard
• Dashboard moves with the steering column in height and tilt
• Available in Standard (fulfilling ISO16121) and VDV version. The VDV version with multistalk for wiper and direction indicator on left side of the steering wheel
• Instrument cluster:
  - speedometer
  - power meter
  - 4.3" display
  - indicators
  - warning lamps
• Data logging
• Volvo Alcolock
• Outdoor temperature meter
• ISRI driver's seat
• Volvo Dynamic Steering (VDS)
• Pedestrian and Cyclist Detection System

Electrical system
Automatic shut off of main switch at low voltage level

Audio system
• Stereo radio with DAB
• Foot controlled public address system
• Amplifier adapted to city bus