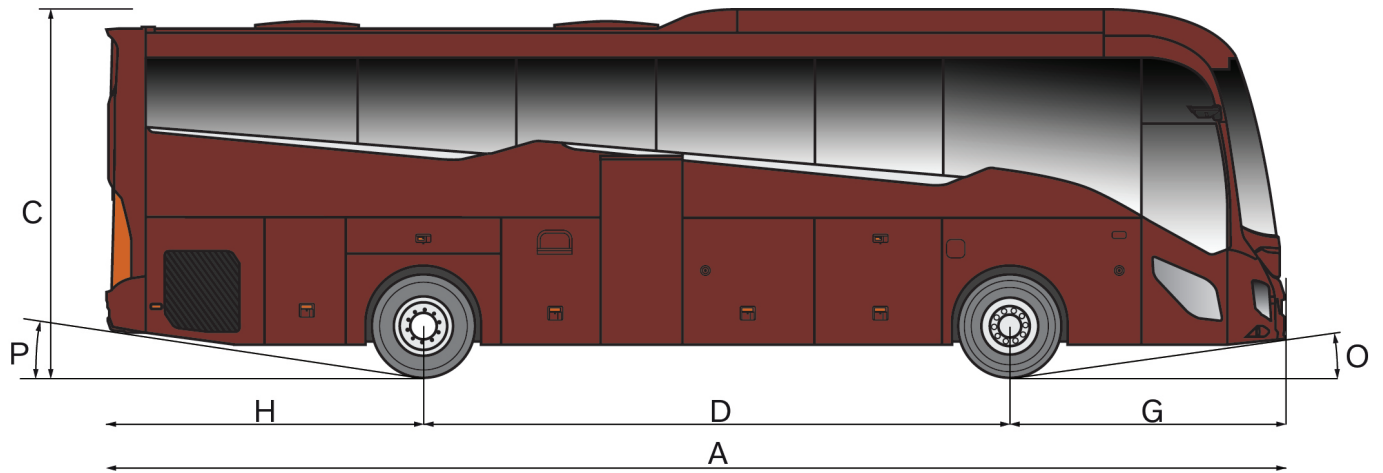


VOLVO 9900 12.4 M

Euro 6



Model	4 x 2, 12.4 m
--------------	----------------------

Overall dimensions		
A	Overall length (mm)	12400
	Overall width (mm)	2550
C	Overall height, with AC (mm)*	3850
D	Wheelbase (mm)	6170
G	Front overhang (mm)	2895
H	Rear overhang (mm)	3335
O	Approach angle (°)*	7.2
P	Departure angle (°)*	7.7
	Turning radius (outer front corner) (mm)	11148
	Turning radius (outer front wheel) (mm)	9275
*)	Overall height, approach and departure angles with tyres	315/80 R22.5

Weights	
Permitted front axle load (kg)	7500
Permitted drive axle load (kg)	12000
Permitted GVW (kg)	19500

Luggage capacity	
Luggage compartment volume, with toilet, without resting compartment (m ³)	10.6
Drivers resting compartment (m ³)	2.2

Passenger capacity	
Depending on seat layout and comfort level	49

VOLVO 9900 12.4 M

Euro 6

Model	4 x 2, 12.4 m
Engine	
Emission standard	Euro 6
Engine system	SCR, common rail
Displacement (dm ³)	13
Cylinders/arrangement	6/in-line
Engine rating	
D13K420	
Output (hp) (±0–4%)	420
Output ISO 1585 (kW) (±0–4%)	310
Torque ISO 1585 (Nm); at engine speed 1000–1400 rpm	2100
Engine rating	
D13K460	
Output (hp) (±0–4)	460
Output ISO 1585 (kW) (±0–4%)	340
Torque ISO 1585 (Nm); at engine speed 1000–1400 rpm	2300
Engine rating	
D13K500	
Output (hp) (±0–4)	500
Output ISO 1585 (kW) (±0–4%)	370
Torque ISO 1585 (Nm); at engine speed 1000–1400 rpm	2500
Fuel tanks	
Diesel (L)	480, 600
AdBlue (L)	90
AdBlue tank side (RHS/LHS)	LHS
Transmission and axles	
Gearbox	Volvo I-Shift AT2612G
Front axle	Volvo IFS
Rear axle	Volvo RS1228C
Differential lock	Optional
Steering and suspension	
Steering wheel side	LHD
Power steering	Hydraulic power steering
Kneeling	Optional

Exhaust system

- One box muffler design
- Diesel Oxidation Catalyst (DOC)
- Diesel Particulate Filter (DPF)
- Selective Catalytic Reduction (SCR)
- Ammonia Slip Catalyst (ASC)
- Automatic regeneration of DPF without driver involvement under normal conditions
- On Board Diagnostic (OBD) for emissions, according to step E of emission regulations
- Engine certified for usage with diesel according to EN 590 and hydrotreated vegetable oil (HVO according to standard EN 15940)
- Biodiesel available for D11K460 / D13K500

Cooling system

- Split configuration for heat exchangers with electrical fans to reach better fuel consumption, lower engine compartment temperature and better access for engine service.
- No coolant filter
- Higher allowed coolant temperature for better cooling performance and lower fuel consumption

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
- Pneumatic system, easily filled from external circuit

VOLVO 9900 12.4 M

Euro 6

Fuel efficiency features

- Dynamic Chassis Lowering
- I-See
- VAL (Volvo Acceleration Limiter)
- ISO - FLOW

Tyres and rims

Steel or aluminium rims available

Rims	Tyres
8.25" x 22.5"	295/80 R22.5"
9.00" x 22.5"	315/80 R22.5"

Spare wheel Optional

Exterior and structure

- Roof made of sandwich structure
- Stainless steel in body structure and side paneling
- Stainless steel front and rear frame
- Front and rear wall in one piece composite material
- Front Underrun Protection (FUP)
- Reinforced Front Impact Protection (FIP)
- Anti-corrosion treatment of underbody with conservation and silencing agent
- Roof spoiler for AC
- Multilayer exterior paint finish
- Aerodynamic design of windscreen
- Electrical heating system and UV-protection in windscreen
- Engine protection bar
- Z shaped window line
- Side and rear window with dark tinted double glazing
- Driver window electrically operated, heated single glazing
- Front door with double glazing
- Mirrors electrically adjustable, heated and foldable
- Option: Camera Monitor System
- Brackets for ski-box or cycle carrier in the rear
- Central locking of luggage compartment
- Luggage hatches - parallel opening mechanism, option with automatic operation. Option hinged hatches.
- Two roof hatches electrically operated
- Roof plate in aluminium
- Luggage hatches in anodized aluminium
- Headlights Bi-Xenon
- Headlight cleaner

Doors and door system

- Outward swinging door
- Software safety system
- Lift and lock system for tight closure

Climate system

- Roof unit with cooling and heating
- Pipe convectors
- Defroster with AC
- Driver convector or blower
- Auxiliary diesel heater
- Separate climate zones for driver and passengers

AC unit option 1

Maximum cooling capacity: 31 kW
Heating capacity at Q80 38 kW

AC unit option 2

Maximum cooling capacity 37 kW
Heating capacity at Q80 38 kW

Convectors

Heating capacity at Q60 470 W/m
Heating capacity at Q100 780 W/m

Defroster

Heating capacity at Q80 16 kW
Cooling capacity max 5 kW
Airflow max at dP 0 730 m³/h
Available with/without AC

Auxiliary heater

Heating capacity 30 kW

Interior

- Several interior colour lines
- Curtains or sun blinds for side windows
- Removable carpets for all interior floor and luggage floor surfaces
- Theatre floor
- Sunken gangway
- Roof equipped service set
- Water toilet with 123-litre water tank
- Closed luggage racks
- Lockable storage boxes
- Storage box beside guide seat
- Refrigerator (54 litres) in dashboard, beside guide seat or at side of toilet housing
- Minikitchen
- Two options of coffee machine
- Safe box
- Waste bin (50 litres) at toilet housing
- Passenger display with clock and exterior temperature
- Interior LED lighting for driver and guide
- Individual reading lights for passengers (LED)
- Light in luggage room and engine room
- Blue LED night illumination along gangway
- Safety illumination for entrance steps
- Special emergency interior illumination system
- Fire detection system (R107.06)

Passenger seats

Volvo coach line, Volvo intercity line, or Volvo city line seats, featuring:

- Unique product design
- Superior ergonomics and comfort
- Low weight
- Available in wide range of specifications to meet the demands of individual customers
- Volvo Service and spare parts handling

VOLVO 9900 12.4 M

Euro 6

Driver's seat and station

- Steering wheel adjustment in height and tilt with two options
- Steering with buttons for infotainment system
- Steering wheel in leather, two colours, available in 450 or 500 mm
- Styling options for dashboard
- Fully dynamic cluster
- Tachograph
- Data logging
- Volvo Alcolock
- Knee Impact Protection (KIP)
- External temperature meter
- Engine controls in engine compartment to enable engine operation from the rear of vehicle
- ISRI driver's seat
- Lane Keeping Support (LKS)
- Volvo Dynamic Steering (VDS)
- Adaptive Cruise Control
- Driver Alert System (DAS)
- Rear view camera
- Rear parking sensors

Electrical system

- Volvo I-Start system for increased uptime and extended battery life
- Automatic shut off of main switch at low voltage level
- Load balanced alternators
- Regenerative charge control to increase fuel efficiency

Battery capacity

Start batteries 2 x 35 Ah
Consumer batteries 2 x 210 Ah

Alternators max output

3 x 150 A

Audiovisual system

- Volvo audio / video system
- Infotainment system with integrated features for driver and passenger (USB, HDMI, AUX, BT)
- Android based system
- Driver's monitor SID (Secondary Infotainment Display)
- Passenger HD monitors front and rear 21,5" (flip-down or fixed)
- Driver and guide microphones
- Subwoofer