

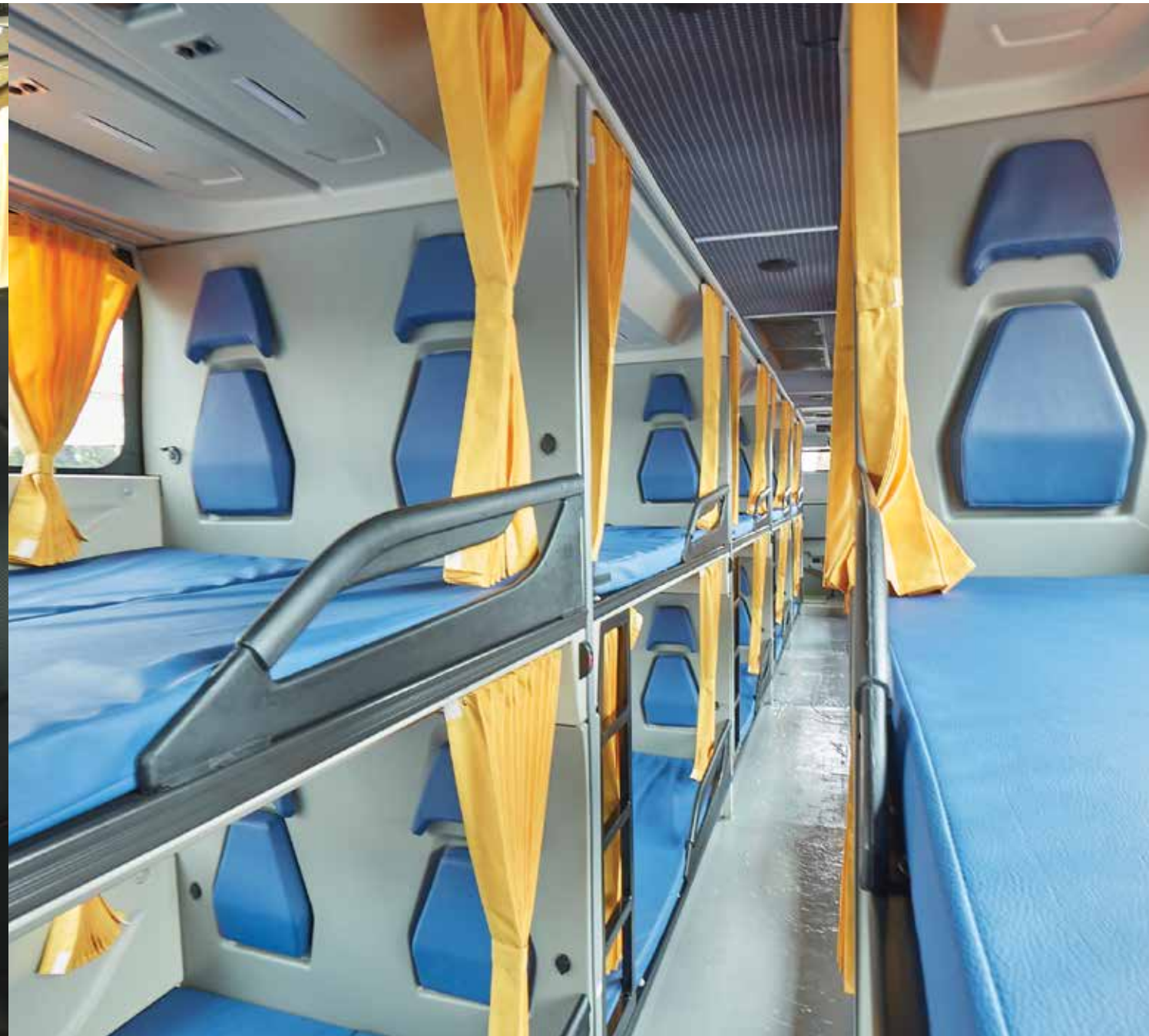
V O L V O

Volvo 9400 B8R & B11R Coaches

The best-in-class premier bus transport solutions



Volvo Buses. Driving Quality of Life.



Everything you need in a range of Volvo BS-VI PREMIUM COACHES

Premium performance

Excellent performance, road handling and driveability makes Volvo 9400 coaches a pleasure to drive, while your passengers enjoy a swift and smooth ride.

Cleaner power from your fuel

Volvo 9400 B8R & B11R engines combine fuel efficiency and BS VI exhaust after treatment with uncompromising power, elasticity and solid torque.

Keeping higher uptime

Uptime is a Volvo hallmark and is built-in from the start. It's supported by our service network and efficient logistics for parts supply anywhere in the country.

Drive safely

The Volvo 9400 offers unique systems for driver assistance, combined with a plethora of active and passive safety systems beyond the need of mandatory requirements.

The safety architecture

Volvo B8R & B11R are built to support the driver's ability to drive safely. A perfectly balanced chassis and solid power resources makes for predictable and consistent road behaviour.

The driver's dream

Volvo coaches are simply great to drive, offering sufficient power, excellent handling capabilities and best-in-class ergonomics in the driver's area.

Environmental performance

At Volvo Buses we continuously develop technology and services to improve environmental performance of our vehicles and help reduce the carbon footprint of your operation.

Volvo 9400 B8R - 12.0M, 8.0 Litre, BS VI

Dimensions (mm)	
Wheel Base	6200
Width	2600
Length	12000
Height	3600
Front track	2054
Rear track	1837
Ground Clearance	209
Chassis Frame	All Steel, Ladder Type
Turning Radius	10.25 m

Engine

D8K is a six cylinder, direct injection diesel engine with cylinder volume of 7.7 litres. Features a turbocharger, inter-cooler and electronically controlled fuel injection. It has a common rail fuel system where the fuel injectors are controlled by ECM. The engine offers a broad torque range, lower fuel consumption and long service life.

Model	D8K6300
Type	Direct injection ,Diesel
No. of Cylinders	6
Displacement	7.7 ltr
Max. Power	300 hp @ 2200 rpm
Max.Torque	1200 Nm @ 1200 - 1600 rpm
Emission Norms	BS VI OBD I

Weights (kg)

GVW	18000
FAW	6500
RAW	11500
Gradeability	14.5 degrees

Transmission

Synchronesh manual gearbox with long service life and lower maintenance costs, thereby improving driver comfort and passenger safety.	
No. of gears	6 forward & 1 reverse
Retarder	Hydrodynamic
Cruise Control	Standard
Front axle	Rigid,steerable and non- driven
Rear axle	Full floating,non - steerable and driven

Steering

Type	Integral hydraulic power assisted steering
Steering wheel diameter	500 mm

Suspension

The Electronically Controlled Suspension (ECS) System provides extremely precise regulation of the ride height and very high level of comfort. Each air spring assembly is accompanied by a telescopic damper and anti rollbar is included in the rear and front suspension.

Type	Full air suspension
No. of air bellows	2 at front + 4 at rear
Anti-roll bar	Front & rear axle
Shock absorbers	Telescopic type hydraulic, front & rear axle
Lifting mechanism	Electronic level control (part of the ECS), 02 positions ; Drive & lift

Wheels & tyres

Tyre size	295/ 80 R 22.5 18 PR, Tubeless Radials
Rim size	8.25” x 22.5”

Laden tyre pressure	
Front	8.78 kg/cm²
Rear	8.43 kg/cm²
Tag	-

Brakes

Electronic Braking System (EBS) with a pneumatic back up. The EBS control unit regulates the entire braking sequence and includes ABS, dual circuit full air disc brakes with EBS Electronic Braking System.

Anti-lock braking system	Standard
Electronic Vehicle Stability Control (EVSC)	Standard
Front	Disc brakes
Rear	Disc brakes
Parking brake	Air operated acting on rear wheels
Hill Start Aid	Standard (Manual)

Seats

Type	Reclining without calf-support - std
Nos	43 seats w/o c/s + 1 Driver + 1 Co - Driver

Model	V05
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Fuel tank

Nos	2 (Rotomoulded)
Capacity	450 lt (300L + 150L)
AdBlue Tank	50 ltr

Note: Fully Built Buses delivered from Volvo Buses Factory at Hosakote are fully compliant to prevalent norms such as AIS052, AIS135, AIS140, AIS153,AIS145,HDPE

Body Specifications

Body type	Galvanized tubular structure with anti-corrosive paint for rust prevention
Service door	Standard : 01 at front, 710 mm width (Electro pneumatic)
Interior flooring	Boiling water proof ply + FR grade
Roof panel - Outer	GI sheet
Interior flooring material	Anti-skid vinyl
Side outer panel	Stainless Steel
Roof Lining	Soft fabric
AC Duct	Individual AC vents
Side Wall & Floor Lining	Anti-skid vinyl
Front windshield	Single piece, laminated
Side window glass	Single piece, toughened
Rear glass on panel	Single, toughened
Outside Rear view mirrors	Electrically adjustable
Inside Rear view mirrors	Manually operated
Air conditioner	Main engine driven
Driver Door	Standard
Luggage Compartment	10 m³

Body Electrical & System

System voltage	24 V
Battery	2 x 12 V 165 Ah
Alternator	2 x 110 A
Invertor	300 VA
Dual Tone Horn	24 V (Low - 335 Hz, High-450 Hz)

External	
Head lights (Low beam, High beam and additional high beam)	90 mm clear lens Halogen Lamp.
End outline Marker Light	Front and Rear
Fog lamp	Front and Rear

Rear Combination Light	Stop + Position + Reverse + Indicator
Side Direction Indicators	1 on each side
Internal	
Roof mounted LED lamps	1000 mm -3 nos & 300 mm - 2 nos
LED Destination board	975 X 312 X 51mm (1 front + 1 rear)
Reading Lamp	Standard
Rear view camera	Standard 1 no.
Mobile Charging Port	One at every seat on both LHS and RHS

The bus is equipped with the BEA2 BP (Bridge Plan) and electronic data bus system. It is also used for data transmission, bus system control, monitoring and coordination of all devices installed on the bus, besides providing diagnostic information for driver and workshop.

Entertainment System

Television	Automotive grade , 24 " LCD, foldable with USB and HDMI port
Amplifier	Standard
DVD with FM	Standard
Speaker	One above every Twin Seat
Mic	Standard

Safety Features

Emergency cut-off switch	Standard
Hooter & blinker switch	Standard
Emergency Light Battery	2 x12 V 5Ah
Emergency exit	1 at RHS rear with collapsible steps - Standard. All Side Window Glasses with Breakable safety glass
Emergency hammers	Standard (for all side windows)
Roof escape hatches	Standard - 2nos (1 front + 1 rear)
Emergency Switch for Service Door	Both inside and outside
Speed Limiter	Standard

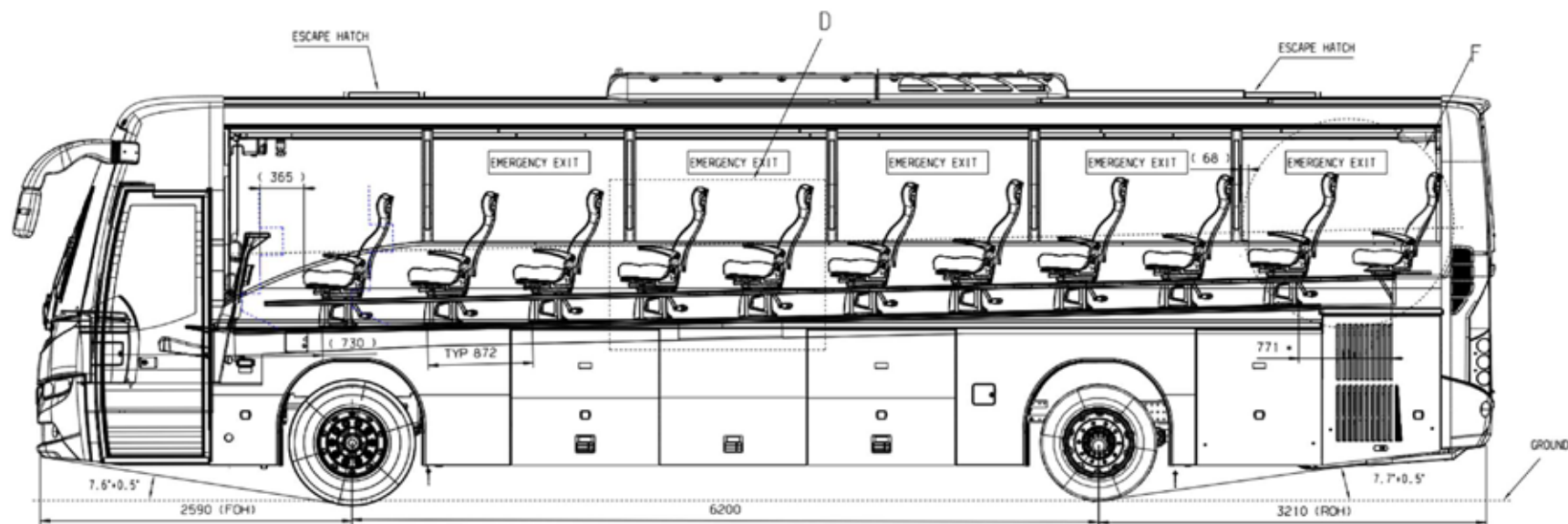
Self illuminating decals	Standard (on all emergency exits,gangway, hammer positions & fire extinguishers)
Seat Belt	Driver, Co -Driver (3P), First and Last Row (2P)
Luggage Guard	Standard
Engine Hatch Sensor	Standard
FDSS (Fire Detection & Suppression System)	Engine Compartment
VLT (Vehicle Location Tracking)	Standard with emergency panic buttons at every 2 metres (LHS & RHS)
RPAS (Reverse Parking Assit System)	Standard
Fire extinguisher	Standard - 2 nos (6 kg each)
First Aid box	Standard - 1 no
P A System	Standard - 1 no
SUPD (Side Under run Protection Device)	Yes
FUPS (Front Under run Protection System)	Yes
FIPS (Front Impact Protection System)	Yes

Options (at extra cost)

Chemical Toilet	LHS middle
Passenger seat belt	2-point
Service door	1 at middle (Electro pneumatic)
Paint	Metallic
TV monitor	Middle
Ice box	In Luggage compartment
Seats	With calf support

Volvo Fleet Management Service

Volvo 9400 B8R - 12.0M, 8.0 Litre, BS VI



Volvo 9400 B8R - 13.5M, 8.0 Litre, BS VI

Dimensions (mm)

Wheel Base	7200
Width	2600
Length	13500
Height	3600
Front track	2054
Rear track	1837
Ground Clearance	209
Chassis Frame	All Steel, Ladder Type
Turning Radius	12m

Engine

D8K is a six cylinder, direct injection diesel engine with cylinder volume of 7.7 litres. Features a turbocharger, inter-cooler and electronically controlled fuel injection. It has a common rail fuel system where the fuel injectors are controlled by ECM. The engine offers a broad torque range, lower fuel consumption and long service life.

Model	D8K6300
Type	Direct injection ,Diesel
No. of Cylinders	6
Displacement	7.7 ltr
Max. Power	300HP @ 2200 rpm
Max. Torque	1200 Nm @ 1200 - 1600 rpm
Emission Norms	BS VI OBD I
Max. Torque	1790 Nm @ 900 - 1400 rpm

Weights (kg)

GVW	18000
FAW (legal)	6500
RAW (legal)	11500
Gradeability	14.5 degrees

Transmission

Synchronesh manual gearbox with long service life and lower maintenance costs, thereby improving driver comfort and passenger safety.	
No. of gears	6 forward & 1 reverse
Retarder	Hydrodynamic
Cruise Control	Standard
Front axle	Rigid,steerable and non- driven
Rear axle	Full floating,non - steerable and driven

Steering

Type	Integral hydraulic power assisted steering
Steering wheel diameter	500 mm

Suspension

The Electronically Controlled Suspension (ECS) System provides extremely precise regulation of the ride height and very high level of comfort. Each air spring assembly is accompanied by a telescopic damper and anti roll bar is included in the rear and front suspension.

Type	Full air suspension
No. of air bellows	2 at front + 4 at rear
Anti-roll bar	Front & rear axle
Shock absorbers	Telescopic type hydraulic, front & rear axle
Lifting mechanism	Electronic level control (part of the ECS), 02 positions; Drive & lift

Wheels & Tyres

Tyre size	295/ 80 R 22.5 18 PR, Tubeless Radials
Rim size	8.25" x 22.5"

Laden tyre pressure

Front	8.78 kg/cm ²
Rear	8.43 kg/cm ²
Tag	–

Brakes

Electronic Braking System (EBS) with a pneumatic back up. The EBS control unit regulates the entire braking sequence and includes ABS, dual circuit full air disc brakes with EBS Electronic Braking System.

Anti-lock braking system	Standard
Electronic Vehicle Stability Control (EVSC)	Standard
Front	Disc brakes
Rear	Disc brakes
Parking brake	Air operated acting on rear wheels
Hill Start Aid	Standard (Manual)

Seats

Type	Reclining without calf-support-std
Nos	47 seats w/o c/s + 1 Driver + 1 Co - Driver
Model	V05

Fuel tank

Nos	2 (Rotomoulded)
Capacity	600 lt (300L + 300L)
AdBlue Tank	50 ltr

Note:

Fully Built Buses delivered from Volvo Buses Factory at Hosakote are fully compliant to prevalent norms such as AIS052, AIS135, AIS140, AIS153,AIS145,HDPE

Volvo 9400 B8R 13.5 M, 8.0 Litre, BS VI

Body Specification

Body type	Galvanized tubular structure with anti-corrosive paint for rust prevention
Service door	Standard : 01 at front, 710 mm width (Electro - pneumatic)
Interior flooring	Boiling water proof ply + FR grade
Roof panel - Outer	GI sheet
Interior flooring material	Anti-skid vinyl
Outer Panel	Stainless Steel
Roof Lining	Soft fabric
AC Duct	Individual AC vents
Side Wall & Floor Lining	Anti-skid vinyl
Front windshield	Single piece, laminated
Side window glass	Single piece, toughened
Rear glass on panel	Single, toughened
Outside Rear view mirrors	Electrically adjustable
Inside Rear view mirrors	Manually operated
Air conditioner	Main engine driven
Driver Door	Standard
Luggage Compartment	11.5 m³

Body Electricals & System

System voltage	24 V
Battery	2 x 12 V 165 Ah
Alternator	2 x 110 A
Invertor	300 VA
Dual Tone Horn	24 V (Low - 335 Hz, High - 450 Hz)

External

Head lights (Low beam, High beam and additional high beam)	90 mm clear lens Halogen Lamp
End outline Marker Light	Front and Rear

Fog lamp	Front and Rear
Rear Combination Light	Stop + Position + Reverse + Indicator
Side Direction Indicators	1 on each side
Internal	
Roof mounted LED lamps	1000 mm - 4 nos & 300 mm - 2 nos
LED Destination board	975 X 312 X 51 mm (1 front + 1 rear)
Reading Lamp	Standard
Rear view camera	Standard 1 no.
Mobile Charging Port	One at every seat on both LHS and RHS

The bus is equipped with the BEA2 BP (Bridge Plan) and electronic data bus system. It is also used for data transmission, bus system control, monitoring and coordination of all devices installed on the bus, besides providing diagnostic information for driver and workshop.

Entertainment system

Television	Automotive grade, 24 " LCD, foldable with USB and HDMI port
Amplifier	Standard
DVD with FM	Standard
Speaker	One above every Twin Seat
Mic	Standard

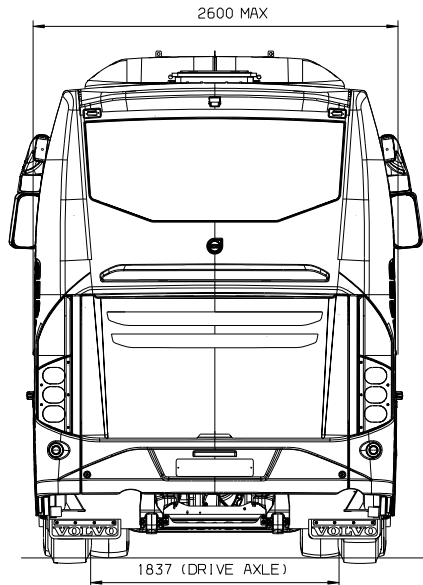
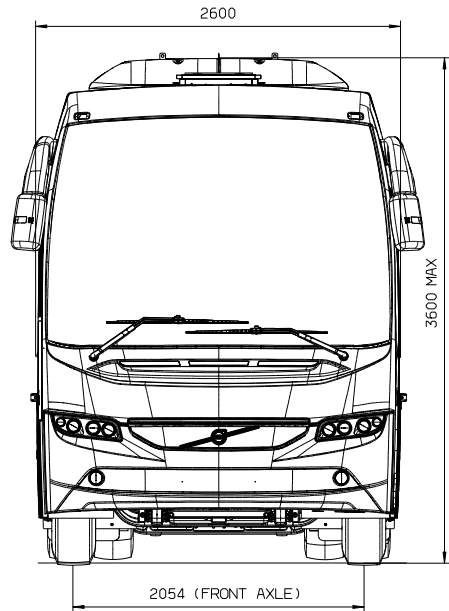
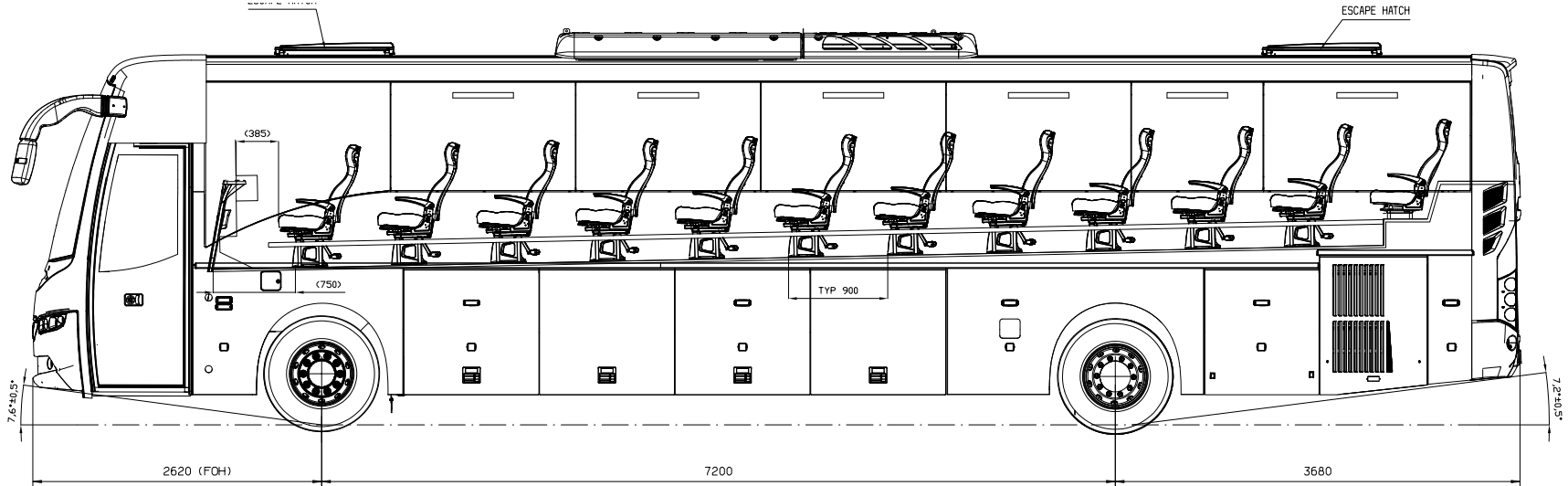
Safety Features

Emergency cut-off switch	Standard
Hooter & blinker switch	Standard
Emergency Light Battery	2 x12 V 5Ah
Emergency exit	1 at RHS rear with collapsible steps - Standard. All Side Window Glasses with Breakable safety glass
Emergency hammers	Standard (for all side windows)
Roof escape hatches	Standard - 2 nos (1 front + 1 rear)

Emergency Switch for Service Door	Both inside and outside
Speed Limiter	Standard
Self illuminating decals	Standard (on all emergency exits, gangway, hammer positions & fire extinguishers)
Seat Belt	Driver, Co -Driver(3P), First and Last Row (2P)
Luggage Guard	Standard
Engine Hatch Sensor	Standard
FDSS(Fire Detection & Suppression System)	Engine Compartment
VLT (Vehicle Location Tracking)	Standard with emergency panic buttons at every 2 metres (LHS & RHS)
RPAS(Reverse Parking Assit System)	Standard
Fire extinguisher	Standard - 2 nos (6 kg each)
First Aid box	Standard - 1 no
P A System	Standard - 1 no
SUPD (Side Under run Protection Device)	Yes
FUPS (Front Under run Protection System)	Yes
FIPS (Front Impact Protection System)	Yes

Options (at extra cost)

Chemical Toilet	LHS middle
Passenger seat belt	2 - point
Service door	1 at middle (Electro - pneumatic)
Paint	Metallic
TV monitor	Middle
Ice box	In Luggage compartment
Seats	With calf support
Volvo Fleet Management Service	



Volvo 9400 B11R - 14.5M, 11.0 Litre, BS VI

Dimensions (mm)

Wheel Base	8260
Width	2600
Length	14500
Height	3600
Front track	2049
Rear track	1834
Ground Clearance	209
Chassis Frame	All Steel, Ladder Type
Turning Radius	11.40 m

Engine

Electronically controlled BS VI Volvo D11K engine, features a turbocharger and intercooler backed by common rail technology. The engine offers a broad torque range as well as low fuel consumption and long service life. Volvo Engine (Exhaust) Brake, EBR - VEB. The engine also contains a dual fuel filter and water separator with heater and electrical priming feature.

Model	D11K430B EU VI TR25D
Type	Direct injection, Diesel
No. of Cylinders	6
Displacement	10.8 ltr
Max. Power	430 hp @ 1700 -1800 rpm
Max. Torque	2091Nm @ 1008 - 1400 rpm
Emission Norms	BS VI OBD II

Weights (kg)

GVW	22200
FAW	7000
RAW	15200
Gradeability	14.04 degrees

Transmission

I-Shift, AT2412F, is a 12-speed manual gearbox with an automatic gear changing system. It is a fast-responding gear changing system with minimum interruption in torque delivery during changes and wide ratio span. It is integrated with a compact retarder VR3250.

Type	Volvo I shift AT2412F
No. of gears	12 forward & 4 reverse
Retarder	Hydrodynamic
Cruise Control	Standard
Front axle	Rigid,steerable and non- driven
Rear axle	Rigid,non - steerable and driven
Tag axle	Rigid,steerable and non- driven

Steering

Type	Integral hydraulic power assisted steering
Steering wheel diameter	500 mm

Suspension

The Electronically Controlled Suspension (ECS) system provides extremely precise regulation of the ride height and very high level of comfort. Each air spring assembly is accompanied by a telescopic damper and an anti-roll bar is included in the rear and front suspension.

Type	Full air suspension
No. of air bellows	2 at front + 4 at rear & 2 at tag axle
Anti-roll bar	Front ,tag & rear axle
Shock absorbers	Telescopic type hydraulic, front , tag & rear axle
Lifting mechanism	Electronic level control (part of the ECS), 03 positions; Drive, lift & lower

Wheels & tyres

Tyre size	295 / 80 R 22.5 18 PR 52/149M, Tubeless Radials
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Rim size	8.25" x 22.5"
Laden tyre pressure	
Front	8.7 kg/cm²
Rear	7.7 kg/cm²
Tag	7 kg/cm²

Brakes

Electronic Braking System (EBS) with a pneumatic back up. The EBS control unit regulates the entire braking sequence and includes ABS. Dual circuit full air-disc brakes with EBS - Electronic Braking System.

Anti-lock braking system	Standard
Electronic Vehicle Stability Control (EVSC)	Standard
Front	Disc brakes
Rear	Disc brakes
Parking brake	Air operated acting on rear wheels
Hill Start Aid	Standard (Automatic)

Seats

Type	Reclining without calf-support-std
Nos	55 seats w/o c/s + 1 Driver + 1 Co - Driver
Model	VFX09

Fuel Tank

Nos	1 (Aluminium)
Capacity	540 lt
AdBlue Tank	64 ltr

Note: Fully Built Buses delivered from Volvo Buses Factory at Hosakote are fully compliant to prevalent norms such as AIS052, AIS135, AIS140, AIS153, AIS145, HDFE

Body Specifications

Body type	Galvanized tubular structure with anti-corrosive paint for rust prevention
Service door	Standard : 01 at front,710 mm width. (Electro pneumatic)
Interior flooring	Boiling water proof ply + FR grade
Roof panel - Outer	GI sheet
Interior flooring material	Antiskid vinyl
Outer Panel	Stainless Steel
Roof Lining	Soft fabric
AC Duct	Individual AC vents
Side Wall & Floor Lining	Antiskid vinyl
Front windshield	Single piece, laminated
Side window glass	Single piece, toughened
Rear glass on panel	Single, toughened
Outside Rear view mirrors	Electrically adjustable
Inside Rear view mirrors	Manually operated
Air conditioner	Main engine driven
Driver Door	Standard
Luggage Compartment	12.5 m3

Electrical System

System voltage	24 V
Battery	2 x 12 V 105 Ah (Consumer) & 2 x 12 V 35Ah (1 - Start)
Alternator	2 x 150 A
Invertor	300 VA
Dual Tone Horn	24 V (Low-335 Hz,High-450 Hz)

External

Head lights (Low beam , High beam and additional high beam)	90 mm clear lens Halogen Lamp
End outline Marker Light	Front and Rear

Fog lamp	Front and Rear
Rear Combination Light	Stop + Position + Reverse + Indicator
Side Direction Indicators	1 on each side

Internal

Roof mounted LED lamps	1000 mm - 4 nos & 300mm - 3 nos
LED Destination board	975 X 312 X 51mm (1 front + 1 rear)
Reading Lamp	Standard
Rear view camera	Standard 1 no.
Mobile Charging Port	One at every seat on both LHS and RHS

The bus is equipped with the BEA2 BP (Bridge Plan) and electronic data bus system. It is also used for data transmission, bus system control, monitoring and coordination of all devicesinstalled on the bus, besides providing diagnostic information for driverand workshop.

Entertainment system

Television	Automotive grade, 24 " LCD, foldable with USB and HDMI port
Amplifier	Standard
DVD with FM	Standard
Speaker	One above every Twin Seat
Mic	Standard

Safety features

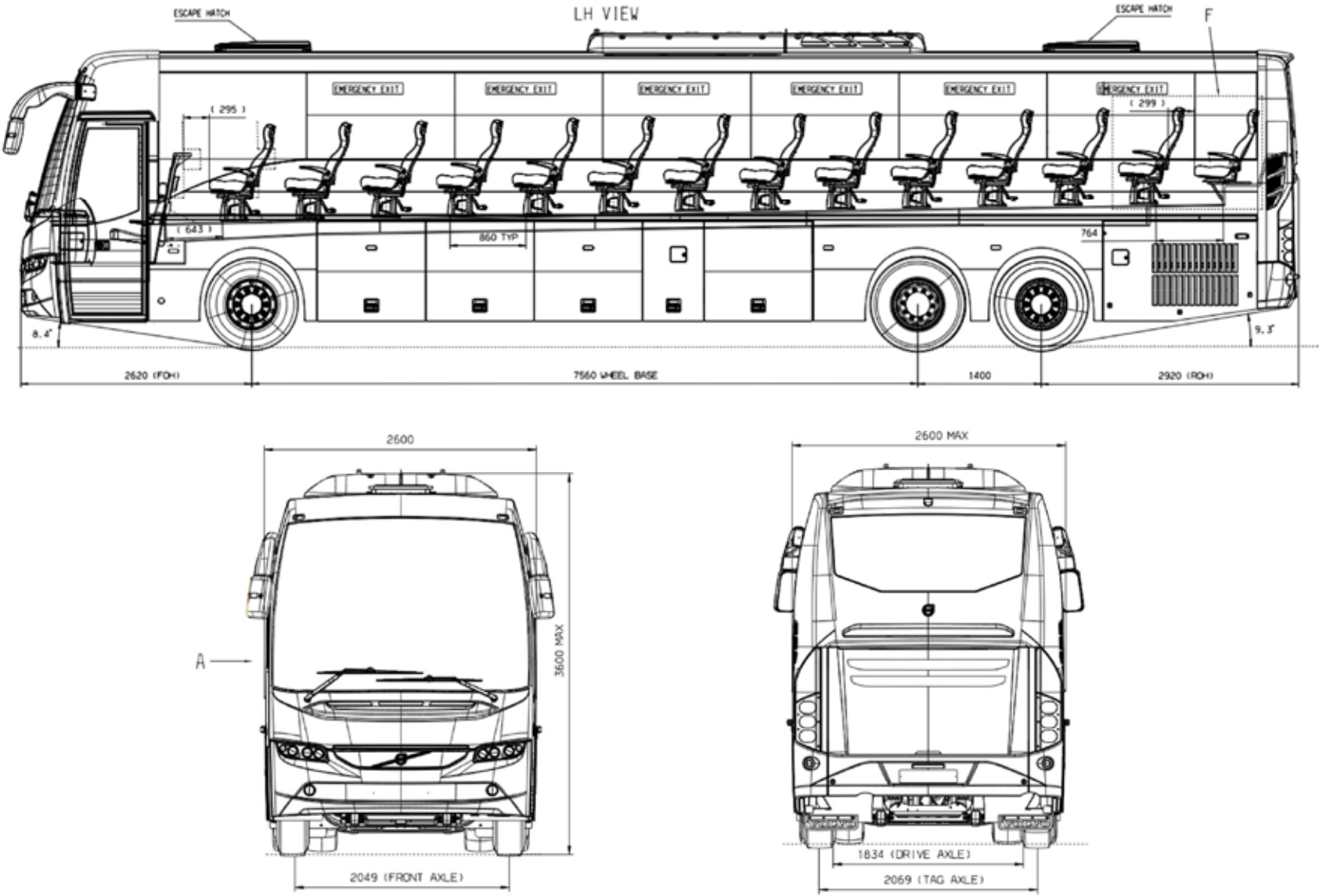
Emergency cut-off switch	Standard
Hooter & blinker switch	Standard
Emergency Light Battery	2 x12 V 5Ah
Emergency exit	1 at RHS rear with collapsible steps - Standard. All Side Window Glasses with Breakable safety glass
Emergency hammers	Standard (for all side windows)
Roof escape hatches	Standard - 2nos (1 front + 1 rear)
Emergency Switch for Service Door	Provided inside and outside of service door

Speed Limiter	Standard
Self illuminating decals	Standard (on all emergency exits, gangway, hammer positions & fire extinguishers)
Seat Belt	Driver, Co -Driver(3P), First and Last Row (2P)
Luggage Guard	Standard
Engine Hatch Sensor	Standard
FDSS(Fire Detection & Suppression System)	Engine Compartment
VLT(Vehicle Location Tracking)	Standard with emergency panic buttons at every 2 metres (LHS & RHS)
RPAS(Reverse Parking Assit System	Standard
Fire extinguisher	Standard - 2 nos (6 kg each)
First Aid box	Standard - 1 no
P A System	Standard - 1 no
SUPD (Side Under run Protection Device)	Yes
FUPS (Front Under run Protection System)	Yes
FIPS (Front Impact Protection System)	Yes
Chemical Toilet	LHS middle

Options (at extra cost)

Passenger seat belt	2-point
Service door	1 at middle (Electro pneumatic)
Paint	Metallic
TV monitor	Middle
Ice box	In Luggage compartment
Seats	With calf support
Volvo Fleet Management Service	

Volvo 9400 B11R - 14.5M, 11.0 Litre, BS VI



Volvo 9400 B8R - 13.5M Complete Sleeper, 8.0 LITRE, BS VI

Dimensions (mm)

Wheel Base	7200
Width	2600
Length	13500
Height	3800
Front track	2054
Rear track	1837
Ground Clearance	209
Chassis Frame	All Steel, Ladder Type
Turning Radius	12m

Engine

D8K is a six cylinder, direct injection diesel engine with cylinder volume of 7.7 litres. Features a turbocharger, inter-cooler and electronically controlled fuel injection. It has a common rail fuel system where the fuel injectors are controlled by ECM. The engine offers a broad torque range, lower fuel consumption and long service life.

Model	D8K6300
Type	Direct injection ,Diesel
No. of Cylinders	6
Displacement	7.7 ltr
Max.Power	300HP @ 2200 rpm
Max.Torque	1200 Nm @ 1200 - 1600 rpm
Emission Norms	BS VI OBD I

Weights (kg)

GVW	18000
FAW	6500
RAW	11500
Gradeability	14.5 degrees

Transmission

Synchromesh manual gearbox with long service life and lower maintenance costs, thereby improving driver comfort and passenger safety.

No. of gears	6 forward & 1 reverse
Retarder	Hydrodynamic
Cruise Control	Standard
Front axle	Rigid,steerable and non- driven
Rear axle	Full floating,non - steerable and driven

Steering

Type	Integral hydraulic power assisted steering
Steering wheel diameter	500mm

Suspension

The Electronically Controlled Suspension (ECS) System provides extremely precise regulation of the ride height and very high level of comfort. Each air spring assembly is accompanied by a telescopic damper and anti rollbar is included in the rear and front suspension.

Type	Full air suspension
No. of air bellows	2 at front + 4 at rear
Antiroll bar	Front & rear axle
Shock absorbers	Telescopic type hydraulic, front & rear axle
Lifting mechanism	Electronic level control (part of the ECS), 02 positions ; Drive & lift

Wheels & tyres

Tyre size	295/ 80 R 22.5 18 PR, Tubeless Radials
Rim size	8.25" x 22.5"
Laden tyre pressure	
Front	8.78 kg/cm ²
Rear	8.43 kg/cm ²
Tag	-

Brakes

Electronic Braking System (EBS) with a pneumatic back up. The EBS control unit regulates the entire braking sequence and includes ABS. Dual circuit full air-disc brakes with EBS - Electronic Braking System.

Anti-lock braking system	Standard
Electronic Vehicle Stability Control (EVSC)	Standard
Front	Disc brakes
Rear	Disc brakes
Parking brake	Air operated acting on rear wheels
Hill Start Aid	Standard (Manual)

Fuel Tank

Nos	1 (Aluminum)
Capacity	540 lt
AdBlue Tank	50 ltr
Nos	1 (Aluminium)
Capacity	540 lt
AdBlue Tank	64 ltr

Note: Fully Built Buses delivered from Volvo Buses Factory at Hosakote are fully compliant to prevalent norms such as AIS052, AIS135, AIS140, AIS153, AIS145, HDFE

Body Specifications

Body type	Galvanized tubular structure with anti-corrosive paint for rust prevention
Service door	Standard : 01 at front,710 mm width (Electro pneumatic)
Interior flooring	Boiling water proof ply + FR grade
Roof panel - Outer	GI sheet
Interior flooring material	Antiskid vinyl
Outer Panel	Stainless Steel
Roof Lining	Soft fabric
Front windshield	Single piece, laminated
Side window glass	Single piece, toughened
Outside Rear view mirrors	Electrically adjustable
Inside Rear view mirrors	Manually operated
Air conditioner	Main engine driven
Driver Door	Standard
Luggage Compartment	6.5 m³

Berth cubicle

Type	2x1 layout with lower and upper berth configuration.
Nos	34 berths
Model	Cozy berth mattress with ergonomically designed backrests.
Restraint	Moulded style restraint
Ladder	Anti-slip ladder with easy access to upper berths
Passenger console	Reading, berth lamps with switches and AC vents
Charging	Two USB ports with a mobile holder
Luggage rack	Premium luggage Rack integrated with magazine pouch and bottle holder

Berth interiors	High Quality ABS premium finish
System voltage	24 V
Battery	2 x 12 V 165 Ah
Alternator	2 x 110 A
Invertor	350 W
Dual Tone Horn	24 V (Low-335 Hz,High-450 Hz)

External

Head lights (Low beam, High beam and additional high beam)	90 mm clear lens Halogen Lamp
End outline Marker Light	Front and Rear
Fog lamp	Front and Rear
Rear Combination Light	Stop + Position + Reverse + Indicator
Side Direction Indicators	1 on each side

Internal

Roof mounted LED lamps	480 mm - 6 nos
LED Destination board	975 X 312 X 51mm (1 front)
Reading Lamp	Standard

Rear view camera	Standard 1 no.
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The bus is equipped with the BEA2 BP (Bridge Plan) and electronic data bus system. It is also used for data transmission, bus system control, monitoring and coordination of all devices installed on the bus, besides providing diagnostic information for driver and workshop.

Entertainment system

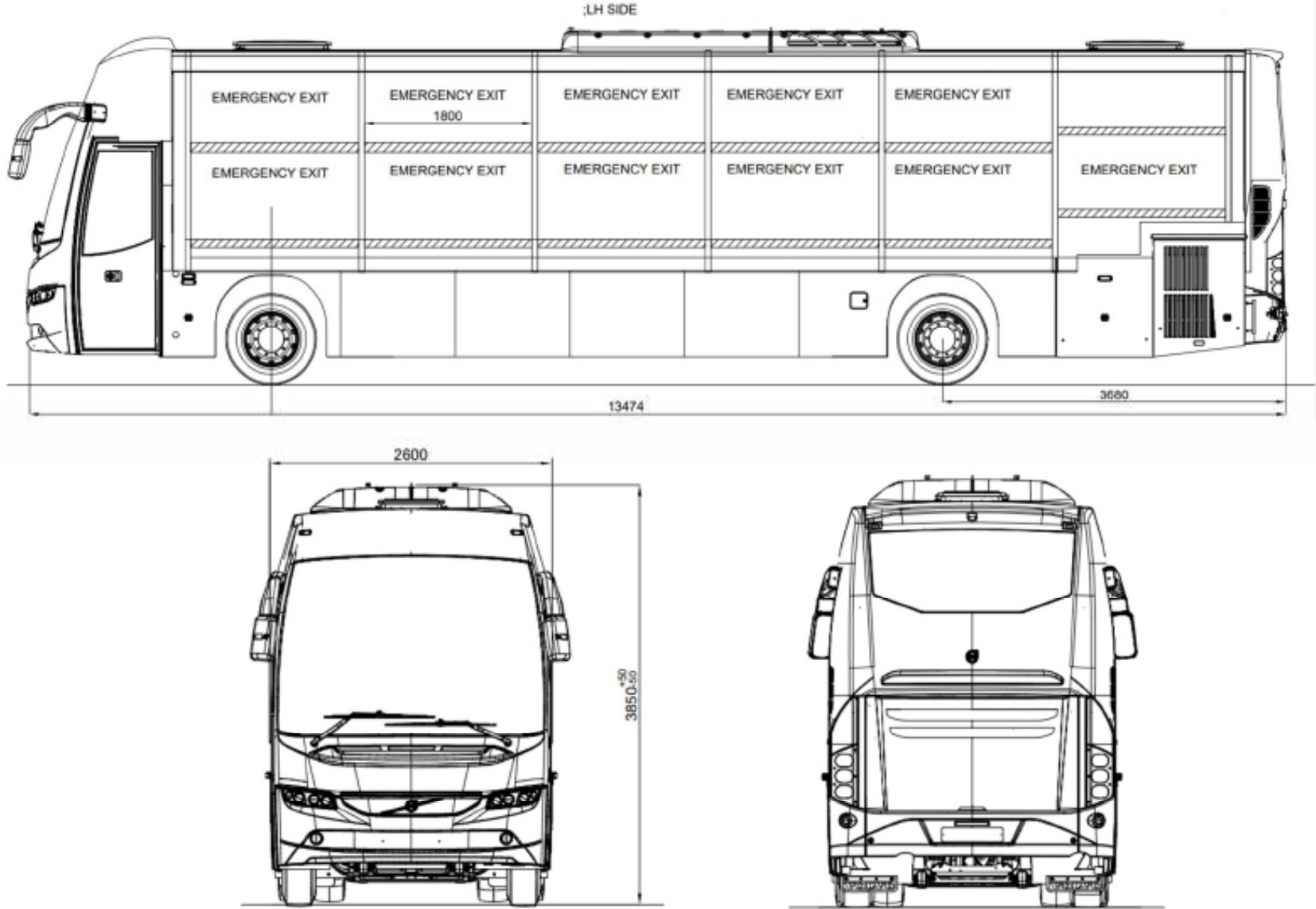
DVD with FM	Standard
Speaker	One at driver area and four at the passenger area

Safety features

Emergency cut-off switch	Standard
Hooter & blinker switch	Standard

Emergency Light Battery	2 x12 V 5Ah
Emergency exit	1 at RHS middle with rigid steps - Standard. All Side Window Glasses with Breakable safety glass
Emergency hammers	Standard (for all berth cubicle)
Roof escape hatches	Standard - 2 nos (1 front + 1 rear)
Emergency Switch for Service Door	Both inside and outside
Speed Limiter	Standard
Self illuminating decals	Standard (on all emergency exits,gangway, hammer positions & fire extinguishers)
Seat Belt	Driver, Co -Driver (3P)
Luggage Guard	Standard
Engine Hatch Sensor	Standard
FDSS(Fire Detection & Suppression System)	Engine Compartment
VLT (Vehicle Location Tracking)	Standard with emergency panic buttons on RH side
RPAS(Reverse Parking Assit System)	Standard
Fire extinguisher	Standard - 2 nos (6 kg each)
First Aid box	Standard - 1 no
SUPD (Side Under run Protection Device)	Yes
FUPS (Front Under run Protection System)	Yes
FIPS (Front Impact Protection System)	Yes
Options (at extra cost)	
Paint	Metallic
Ice box	In Luggage compartment
Volvo Fleet Management Service	

Volvo 9400 B8R - 13.5M Complete Sleeper, 8.0 LITRE, BS VI



Volvo 9400 B11R - 15 M Complete Sleeper, 11.0 LITRE, BS VI

Dimensions (mm)

Wheel Base	9050
Width	2600
Length	15000
Height	3800
Front track	2049
Rear track	1834
Ground Clearance	209
Chassis Frame	All Steel, Ladder Type
Turning Radius	11.54m

Engine

Electronically controlled BS VI Volvo D11K engine, features a turbocharger and intercooler backed by common rail technology. The engine offers a broad torque range as well as low fuel consumption and long service life. Volvo Engine (Exhaust) Brake, EBR - VEB. The engine also contains a dual fuel filter and water separator with heater and electrical priming feature.

Model	D11K430B EU VI TR25D
Type	Direct injection, Diesel
No. of Cylinders	6
Displacement	10.8 ltr
Max. Power	430 hp @ 1700 -1800 rpm
Max.Torque	2091Nm @ 1008 - 1400 rpm
Emission Norms	BS VI OBD II

Weights (kg)

GVW	22200
FAW	7000
RAW	15200
Gradeability	14.04 degrees

Transmission

I-Shift, AT2412F, is a 12-speed manual gearbox with an automatic gear changing system. It is a fast-responding gear changing system with minimum interruption in torque delivery during changes and wide ratio span. It is integrated with a compact retarder VR3250.

Type	Volvo I shift AT2412F
No. of gears	12 forward & 4 reverse
Retarder	Hydrodynamic
Cruise Control	Standard
Front axle	Rigid,steerable and non- driven
Rear axle	Rigid,non - steerable and driven
Tag axle	Rigid,steerable and non- driven

Steering

Type	Integral hydraulic power assisted steering
Steering wheel diameter	500mm

Suspension

The Electronically Controlled Suspension (ECS) system provides extremely precise regulation of the ride height and very high level of comfort. Each air spring assembly is accompanied by a telescopic damper and an anti-roll bar is included in the rear and front suspension.

Type	Full air suspension
No. of air bellows	2 at front + 4 at rear & 2 at tag axle
Antiroll bar	Front ,tag & rear axle
Shock absorbers	Telescopic type hydraulic, front , tag & rear axle
Lifting mechanism	Electronic level control (part of the ECS), 03 positions ; Drive, lift & lower

Wheels & tyres

Tyre size	295 / 80 R 22.5 18 PR 152/149M,Tubeless Radials
Rim size	8.25" x 22.5"

Laden tyre pressure

Front	8.7 kg/cm ²
Rear	7.7 kg/cm ²
Tag	7 kg/cm ²

Brakes

Electronic Braking System(EBS) with a pneumatic back up. The EBS control unit regulates the entire braking sequence and includes ABS. Dual circuit full air-disc brakes with EBS - Electronic Braking System.

Anti-lock braking system	Standard
Electronic Vehicle Stability Control (EVSC)	Standard
Front	Disc brakes
Rear	Disc brakes
Parking brake	Air operated acting on rear wheels
Hill Start Aid	Standard (Automatic)

Fuel Tank

Nos	1 (Aluminium)
Capacity	540 ltr
AdBlue Tank	64 ltr

Fully Built Buses delivered from Volvo Buses Factory at Hosakote are fully compliant to prevalent norms such as AIS052, AIS135, AIS140, AIS153,AIS145,HDFE.

Body Specifications

Body type	Galvanized tubular structure with anti-corrosive paint for rust prevention
Service door	Standard : 01 at front,710 mm width. (Electro pneumatic)
Interior flooring	Boiling water proof ply + FR grade
Roof panel - Outer	GI sheet

Interior flooring material	Anti-skid vinyl flooring
Side outer Panel	Stainless Steel
Roof Lining	Soft fabric
Front windshield	Single piece, laminated
Side window glass	Single piece, toughened
Outside Rear view mirrors	Electrically adjustable
Inside Rear view mirrors	Manually operated
Air conditioner	Main engine driven
Driver Door	Standard
Luggage Compartment	7.5 m ³

Berth cubicle

Type	2x1 layout with lower and upper berth configuration.
Nos	40 berths
Model	Cozy berth mattress with ergonomically designed backrests.
Restraint	Moulded style restraint
Ladder	Anti-slip ladder with easy access to upper berths
Passenger console	Reading, berth lamps with switches and AC vents
Charging	Two USB ports with a mobile holder
Luggage rack	Premium luggage rack integrated with magazine pouch and bottle holder
Berth interiors	High Quality ABS premium finish

Body Electrical Systems

System voltage	24 V
Battery	2 x 12 V 105 Ah (Consumer) & 2 x 12 V 35Ah (1 - Start)
Alternator	2 x 150 A

Invertor	350 W
Dual Tone Horn	24 V (Low-335 Hz, High-450 Hz)
External	
Head lights (Low beam, High beam and additional high beam)	90 mm clear lens Halogen Lamp.
End outline Marker Light	Front and Rear
Fog lamp	Front and Rear
Rear Combination Light	Stop + Position + Reverse + Indicator
Side Direction Light	1 on each side

Internal	
Roof mounted LED lamps	480 mm - 7 nos
LED Destination board	975 X 312 X 51 mm (1 front + 1 rear)
Reading Lamp	Standard
Rear view camera	Standard 1 no.

The bus is equipped with the BEA2 BP (Bridge Plan) and electronic data bus system. It is also used for data transmission, bus system control, monitoring and coordination of all devices installed on the bus, besides providing diagnostic information for driver and workshop.

Entertainment Systems

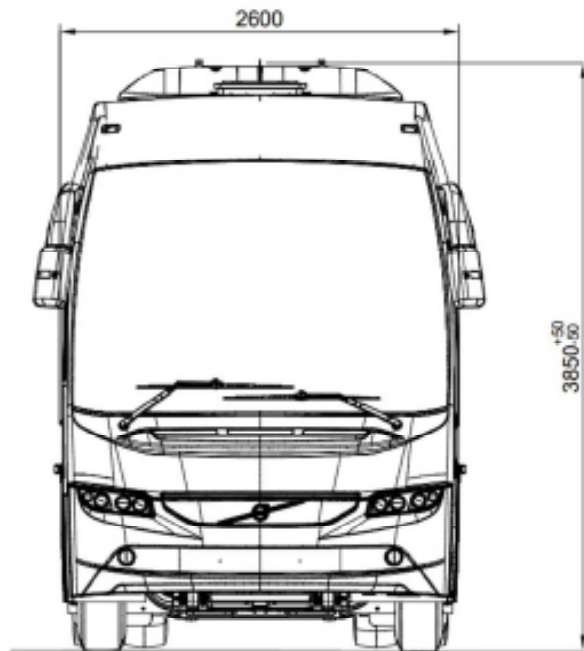
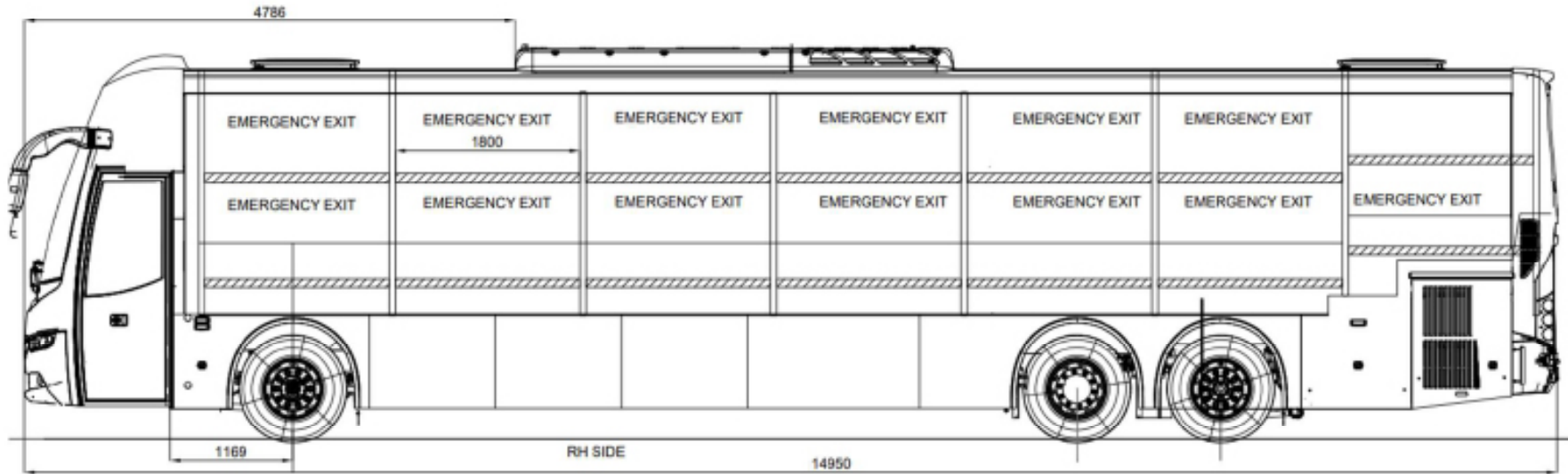
DVD with FM	Standard
Speaker	One on driver area and four in passenger area

Safety Features

Emergency cut-off switch	Standard
Hooter & blinker switch	Standard
Emergency Light Battery	2 x12 V 5Ah
Emergency exit	1 at RHS middle with rigid steps - Standard. All Side Window glasses with Breakable safety glass
Emergency hammers	Standard (for all side windows)

Roof escape hatches	Standard - 2nos (1 front + 1 rear)
Emergency Switch for Service Door	Provided inside and outside of service door
Speed Limiter	Standard
Self illuminating decals	Standard (on all emergency exits, gangway, hammer positions & fire extinguishers)
Seat Belt	Driver, Co -Driver(3P)
Luggage Guard	Standard
Engine Hatch Sensor	Standard
FDSS(Fire Detection & Suppression System)	Engine Compartment
VLT (Vehicle Location Tracking)	Each berth compartment on RH side
RPAS(Reverse Parking Assist System)	Standard
Fire extinguisher	Standard - 2 nos (6 kg each)
First Aid box	Standard - 1 no
SUPD (Side Under run Protection Device)	Yes
FUPS (Front Under run Protection System)	Yes
FIPS (Front Impact Protection System)	Yes
Options at extra cost	
Paint	Metallic
Ice box	In Luggage compartment
Volvo Fleet Management Service	

Volvo 9400 B11R - 15 M Complete Sleeper, 11.0 LITRE, BS VI



Designed & tested for UNMATCHED PERFORMANCE



Proven BS VI technology

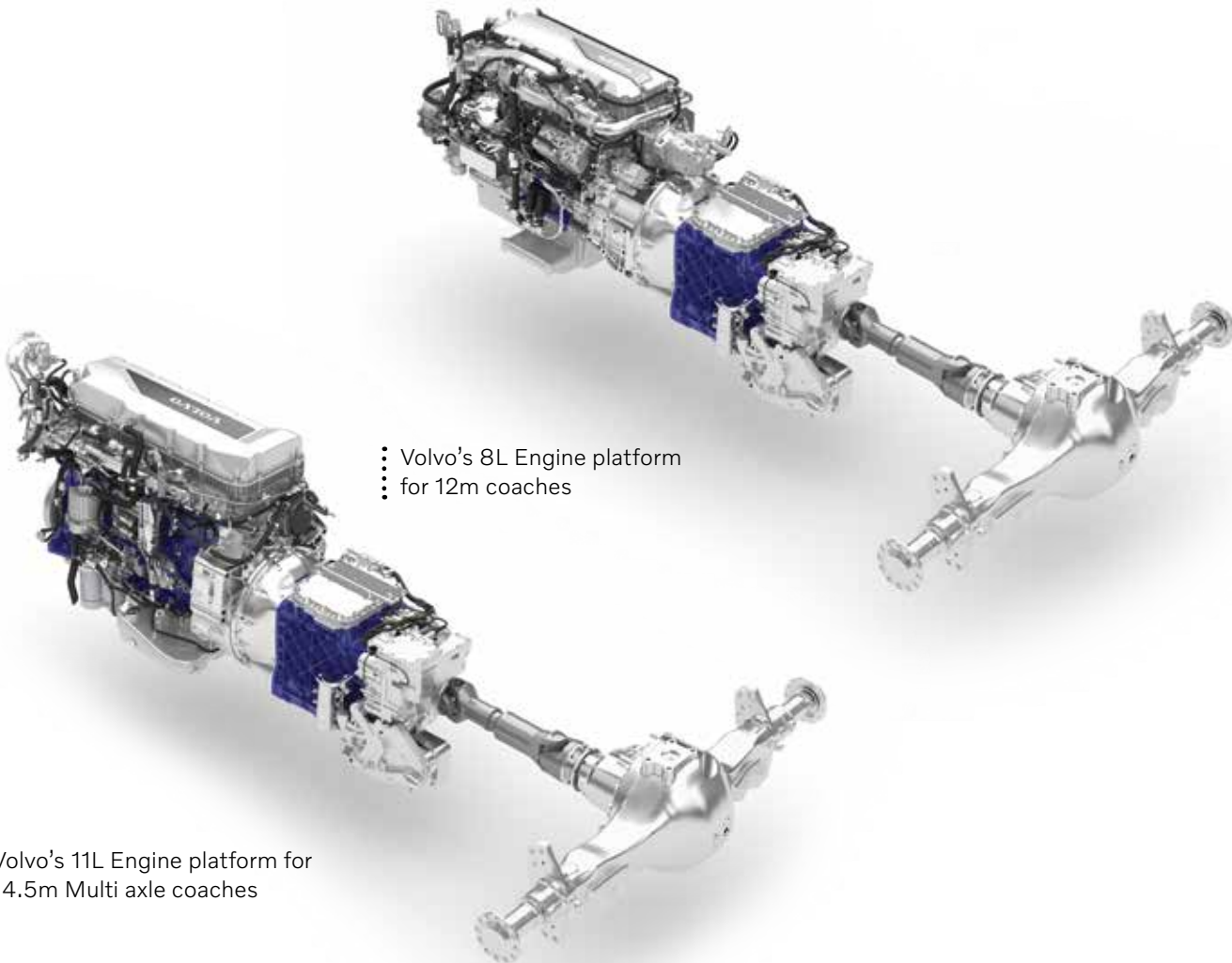
While B8R engines are made to keep running, B11R engines are built to perform. These versatile engines are crafted to be the backbone for a profitable coach business. Whether your need is a luxury coach, tourist application or an untiring line hauler, B8R and B11R will exceed your expectations with inspiring performances.

The fuel efficient engines not only cuts down your operational costs, but also ensures superior functionality, safety and productivity. The state-of-the-art technology reduces NOx emissions by 89% and PM by 50%.

Our global experience with the state-of-art engine technology ensures the high levels of precision and reliability required by BS VI platform. Furthermore the host of product features deliver superior comfort, performance and efficiency that has always been a hallmark of Volvo Buses.

Trouble-free maintenance

Every Volvo chassis is designed for long service intervals and swift and simple maintenance. Oil change intervals are extended and many critical components are maintenance-free, such as the prop shafts, half shafts and rear wheel bearings. In addition, Volvo's multiplexed electronics system serves as a preventive maintenance and diagnostics tool.



Volvo's 8L Engine platform
for 12m coaches

Volvo's 11L Engine platform for
14.5m Multi axle coaches

V O L V O

For more information contact:

Volvo Busses

Yalachahally, Tavarekere Post, Hosakote Taluk, Bangalore 562 122, India.

Phone: +91 80 6788 7000 | vtimarketing@volvo.in | www.volvotrucks.in

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