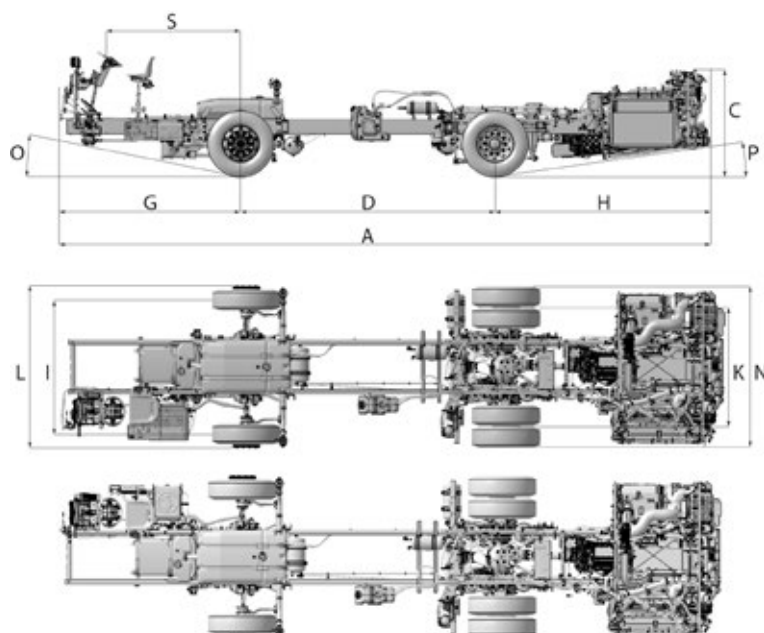




Volvo Buses. Driving quality of life

# VOLVO B11R 4X2

Euro 6



| Model                                                                                     |                                                |              | B11R, 4 x 2, RFS            | B11R, 4 x 2, IFS            |
|-------------------------------------------------------------------------------------------|------------------------------------------------|--------------|-----------------------------|-----------------------------|
| Overall dimensions                                                                        |                                                |              |                             |                             |
| A                                                                                         | Overall chassis length (mm)                    | SWP1470 (mm) | 10490-13190                 | 10390-12590                 |
|                                                                                           |                                                | SWP1820 (mm) | 10840-13540                 | 10740-12940                 |
|                                                                                           |                                                | SWP2050 (mm) | 11070-13770                 | 10970-13170                 |
| B                                                                                         | Bogie (mm)                                     |              | n/a                         | n/a                         |
| C                                                                                         | Frame height at rear structure (mm)*           |              | 1618                        | 1816                        |
| D                                                                                         | Transport wheelbase (mm)                       |              | 4000                        | 4000                        |
|                                                                                           | Approved wheelbase (mm)                        |              | 5000-7700                   | 5000-7200                   |
| G                                                                                         | Front overhang (mm)                            | SWP1470 (mm) | 2150                        | 2050                        |
|                                                                                           |                                                | SWP1820 (mm) | 2500                        | 2400                        |
|                                                                                           |                                                | SWP2050 (mm) | 2730                        | 2630                        |
| H                                                                                         | Rear overhang (mm)                             |              | 3340                        | 3340                        |
|                                                                                           | Optional rear overhang (mm)                    |              | n/a                         | n/a                         |
| S                                                                                         | Steering wheel position (mm)                   | SWP1470 (mm) | 1470                        | 1470                        |
|                                                                                           |                                                | SWP1820 (mm) | 1820                        | 1820                        |
|                                                                                           |                                                | SWP2050 (mm) | 2050                        | 2050                        |
| I                                                                                         | Track, front (mm)                              |              | 2040                        | 2064                        |
| K                                                                                         | Track, rear (mm)*                              |              | 1836                        | 1836                        |
| L                                                                                         | Overall width front wheels*                    |              | 2489                        | 24890                       |
| N                                                                                         | Overall width rear wheels (mm)*                |              | 2439                        | 2464                        |
| O                                                                                         | Approach angle (°)                             |              | 13.3                        | 13.3                        |
| P                                                                                         | Departure angle (°)                            |              | 7.6                         | 7.6                         |
|                                                                                           | Departure angle for optional rear overhang (°) |              | n/a                         | n/a                         |
| *) Track width, overall width and frame height are measured with tyres:<br>and steel rims |                                                |              | 315/80R22.5"<br>9.00"x22.5" | 315/80R22.5"<br>9.00"x22.5" |

# VOLVO B11R 4X2

Euro 6

| Model | B11R, 4 x 2, RFS | B11R, 4 x 2, IFS |
|-------|------------------|------------------|
|-------|------------------|------------------|

| Weights                        |       |       |
|--------------------------------|-------|-------|
| Permitted front axle load (kg) | 7500  | 7500  |
| Permitted drive axle load (kg) | 12000 | 12000 |
| Bogie axle load (kg)           | n/a   | n/a   |
| Permitted tag axle load (kg)   | n/a   | n/a   |
| Permitted GVW (kg)             | 19500 | 19500 |

| Engine                                              | D11K             | D11K             |
|-----------------------------------------------------|------------------|------------------|
| Emission standard                                   | Euro 6           | Euro 6           |
| Engine system                                       | SCR, Common rail | SCR, Common rail |
| Displacement (dm³)                                  | 11               | 11               |
| Cylinders/arrangement                               | 6/in-line        | 6/in-line        |
| Engine rating                                       | D11K380          | D11K380          |
| Output (hp)                                         | 380              | 380              |
| Output ISO 1585 (kW); at engine speed 1700-1800 r/m | 285              | 285              |
| Torque ISO 1585 (Nm); at engine speed 950-1400 r/m  | 1836             | 1836             |
| Engine rating                                       | D11K430          | D11K430          |
| Output (hp)                                         | 430              | 430              |
| Output ISO 1585 (kW); at engine speed 1700-1800 r/m | 323              | 323              |
| Torque ISO 1585 (Nm); at engine speed 1008-1400 r/m | 20911            | 2091             |
| Engine rating                                       | D11K460          | D11K460          |
| Output (hp)                                         | 460              | 460              |
| Output ISO 1585 (kW); at engine speed 1700-1800 r/m | 345              | 345              |
| Torque ISO 1585 (Nm); at engine speed 1050-1400 r/m | 2244             | 2244             |

| Fuel tanks    |                                     |                                          |
|---------------|-------------------------------------|------------------------------------------|
| Diesel (L)    | 220, 300, 375, 400, 3x150, 480, 720 | 220, 300, 375, 400, 3x150, 480, 600, 720 |
| Transport (L) | 50                                  | 50                                       |
| AdBlue (L)    | 48 or 64                            | 48 or 64                                 |

| Transmission and axles |                                                    |                                                    |
|------------------------|----------------------------------------------------|----------------------------------------------------|
| Gearboxes              | Volvo I-Shift AT2412F<br>ZF 6AP2000C (only 380 hp) | Volvo I-Shift AT2412F<br>ZF 6AP2000C (only 380 hp) |
| Front axle             | Volvo RFS                                          | Volvo IFS                                          |
| Rear axle              | Volvo RS1228C                                      | Volvo RS1228C                                      |
| Tag axle               | n/a                                                | n/a                                                |
| Differential lock      | Optional                                           | Optional                                           |

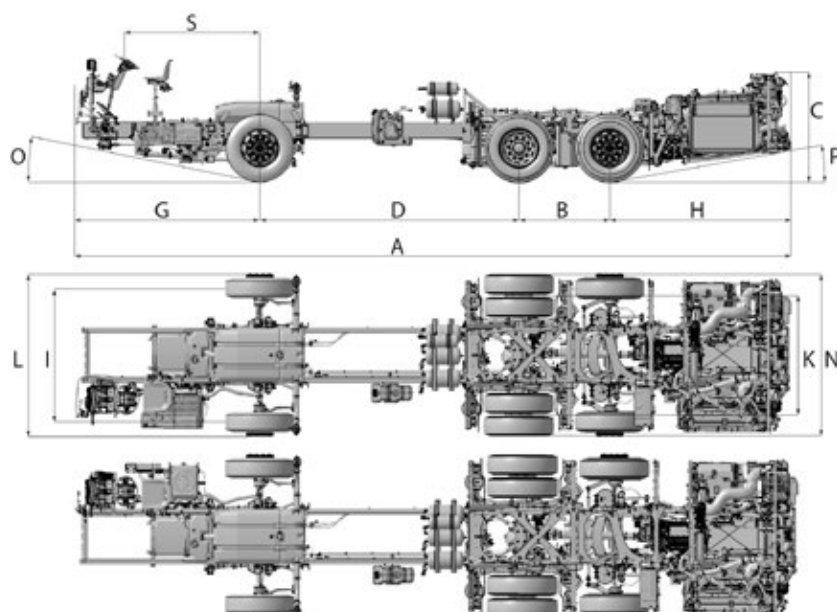
| Suspension and steering |                             |                             |
|-------------------------|-----------------------------|-----------------------------|
| Air bellows, front      | 2                           | 2                           |
| Air bellows, drive      | 4                           | 4                           |
| Air bellows, tag        | n/a                         | n/a                         |
| Kneeling                | Optional                    | Optional                    |
| Max wheel angle         | 52° with tyres 295/80R22.5" | 53° with tyres 295/80R22.5" |
| Power steering          | Hydraulic power steering    | Hydraulic power steering    |
| Steering wheel position | LHD/RHD                     | LHD/RHD                     |



Volvo Buses. Driving quality of life

# VOLVO B11R 6X2

Euro 6



| Model                                                                                     |                                                |              | B11R, 6x2, RFS              | B11R, 6x2, IFS              |
|-------------------------------------------------------------------------------------------|------------------------------------------------|--------------|-----------------------------|-----------------------------|
| Overall dimensions                                                                        |                                                |              |                             |                             |
| A                                                                                         | Overall chassis length (mm)                    | SWP1470 (mm) | 11310-13710                 | 11210-13610                 |
|                                                                                           |                                                | SWP1820 (mm) | 11660-14060                 | 11560-13960                 |
|                                                                                           |                                                | SWP2050 (mm) | 11890-14290                 | 11790-14190                 |
| B                                                                                         | Bogie (mm)                                     |              | 1400                        | 1400                        |
| C                                                                                         | Frame height at rear structure (mm)*           |              | 1618                        | 1816                        |
| D                                                                                         | Transport wheelbase (mm)                       |              | 4000                        | 4000                        |
|                                                                                           | Approved wheelbase (mm)                        |              | 5000-7400                   | 5000-7400                   |
| G                                                                                         | Front overhang (mm)                            | SWP1470 (mm) | 2150                        | 2050                        |
|                                                                                           |                                                | SWP1820 (mm) | 2500                        | 2400                        |
|                                                                                           |                                                | SWP2050 (mm) | 2730                        | 2630                        |
| H                                                                                         | Rear overhang (mm)                             |              | 2760                        | 2760                        |
|                                                                                           | Optional rear overhang (mm)                    |              | 3340                        | 3340                        |
| S                                                                                         | Steering wheel position (mm)                   | SWP1470 (mm) | 1470                        | 1470                        |
|                                                                                           |                                                | SWP1820 (mm) | 1820                        | 1820                        |
|                                                                                           |                                                | SWP2050 (mm) | 2050                        | 2050                        |
| I                                                                                         | Track, front (mm)                              |              | 2040                        | 2064                        |
| K                                                                                         | Track, rear (mm)*                              |              | 1836                        | 1836                        |
| L                                                                                         | Overall width front wheels*                    |              | 2489                        | 2490                        |
| N                                                                                         | Overall width rear wheels (mm)*                |              | 2494                        | 2494                        |
| O                                                                                         | Approach angle (°)                             |              | 13.3                        | 13.3                        |
| P                                                                                         | Departure angle (°)                            |              | 10.6                        | 10.6                        |
|                                                                                           | Departure angle for optional rear overhang (°) |              | 7.4                         | 7.4                         |
| *) Track width, overall width and frame height are measured with tyres:<br>and steel rims |                                                |              | 315/80R22.5"<br>9.00"x22.5" | 315/80R22.5"<br>9.00"x22.5" |

# VOLVO B11R 6X2

Euro 6

| Model | B11R, 6x2, RFS | B11R, 6x2, IFS |
|-------|----------------|----------------|
|-------|----------------|----------------|

| Weights                        |             |             |
|--------------------------------|-------------|-------------|
| Permitted front axle load (kg) | 7500        | 7500        |
| Permitted drive axle load (kg) | 11500       | 11500       |
| Bogie axle load (kg)           | 17250/19000 | 17250/19000 |
| Permitted tag axle load (kg)   | 5750/7500   | 5750/7500   |
| Permitted GVW (kg)             | 24750/26500 | 24750/26500 |

| Engine                                              | D11K             | D11K             |
|-----------------------------------------------------|------------------|------------------|
| Emission standard                                   | Euro 6           | Euro 6           |
| Engine system                                       | SCR, Common rail | SCR, Common rail |
| Displacement (dm³)                                  | 11               | 11               |
| Cylinders/arrangement                               | 6/in-line        | 6/in-line        |
| Engine rating                                       | D11K380          | D11K380          |
| Output (hp)                                         | 380              | 380              |
| Output ISO 1585 (kW); at engine speed 1600-1900 r/m | 285              | 285              |
| Torque ISO 1585 (Nm); at engine speed 950 r/m       | 1836             | 1836             |
| Engine rating                                       | D11K430          | D11K430          |
| Output (hp)                                         | 430              | 430              |
| Output ISO 1585 (kW); at engine speed 1600-1900 r/m | 323              | 323              |
| Torque ISO 1585 (Nm); at engine speed 950 r/m       | 2091             | 2091             |
| Engine rating                                       | D11K460          | D11K460          |
| Output (hp)                                         | 460              | 460              |
| Output ISO 1585 (kW); at engine speed 1600-1900 r/m | 345              | 345              |
| Torque ISO 1585 (Nm); at engine speed 950 r/m       | 2244             | 2244             |

| Fuel tanks    |                                     |                                          |
|---------------|-------------------------------------|------------------------------------------|
| Diesel (L)    | 220, 300, 375, 400, 3x150, 480, 720 | 220, 300, 375, 400, 3x150, 480, 600, 720 |
| Transport (L) | 50                                  | 50                                       |
| AdBlue (L)    | 48 or 64                            | 48 or 64                                 |

| Transmission and axles |                                                    |                                                    |
|------------------------|----------------------------------------------------|----------------------------------------------------|
| Gearboxes              | Volvo I-Shift AT2412F<br>ZF 6AP2000C (only 380 hp) | Volvo I-Shift AT2412F<br>ZF 6AP2000C (only 380 hp) |
| Front axle             | Volvo RFS                                          | Volvo IFS                                          |
| Rear axle              | Volvo RS1228C                                      | Volvo RS1228C                                      |
| Tag axle               | Hydraulic steered/Fixed                            | Hydraulic steered/Fixed                            |
| Differential lock      | Optional                                           | Optional                                           |

| Suspension and steering |                             |                             |
|-------------------------|-----------------------------|-----------------------------|
| Air bellows, front      | 2                           | 2                           |
| Air bellows, drive      | 4                           | 4                           |
| Air bellows, tag        | 2                           | 2                           |
| Kneeling                | Optional                    | Optional                    |
| Max wheel angle         | 52° with tyres 295/80R22.5" | 53° with tyres 295/80R22.5" |
| Power steering          | Hydraulic power steering    | Hydraulic power steering    |
| Steering wheel position | LHD/RHD                     | LHD/RHD                     |