

# VOLVO BUS CORPORATION

## EC CERTIFICATE OF CONFORMITY for incomplete vehicles

The undersigned Tobias Holmqvist, Plant Manager hereby certifies that the vehicle:

- |        |                                                            |                                                                 |
|--------|------------------------------------------------------------|-----------------------------------------------------------------|
| 0.1.   | Make (trade name of manufacturer):                         | VOLVO                                                           |
| 0.2.   | Type:                                                      | CA0C                                                            |
|        | Variant:                                                   | X000H                                                           |
|        | Version:                                                   | L291LH24J8100                                                   |
| 0.2.1. | Commercial name:                                           | BRLH                                                            |
| 0.4.   | Vehicle category:                                          | M3                                                              |
| 0.5.   | Company name and address of manufacturer:                  | VOLVO BUS CORPORATION<br>SE-405 08 GOTHENBURG<br>SWEDEN         |
| 0.6.   | Location and method of attachment of the statutory plates: | Packed together with the chassis                                |
|        | Location of the vehicle identification number:             | Stamped on the frame at the right side, close to the front axle |
| 0.9.   | Name and address of manufacturer's representative:         | Not applicable                                                  |
| 0.10.  | Vehicle identification number:                             | YV3T1U226F1170769                                               |

**conforms in all respects to the type described in**

**approval** e9\*2007/46\*0003\*11

**issued on** 2014-10-08

**and can not be permanently  
registered without further approvals**

Borås, Sweden

(Place)

2015-01-15

(Date)

(Signature)



|                                             |                                                                                               |                                                  |
|---------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>General construction characteristics</b> |                                                                                               |                                                  |
| 1.                                          | Number of axles / and wheels:                                                                 | 3 / 10                                           |
| 1.1                                         | Number / and position of axles with twin wheels:                                              | 2 / 2/3                                          |
| 2.                                          | Steered axles (number / position):                                                            | 1 position 1                                     |
| 3.                                          | Powered axles (number / position, interconnection):                                           | 1 position 3                                     |
| <b>Main dimensions</b>                      |                                                                                               |                                                  |
| 4.                                          | Wheelbase:                                                                                    | 5190 mm                                          |
| 4.1                                         | Axle spacing 1-2, 2-3, 3-4:                                                                   | 1-2: 5190 mm<br>2-3: TRANSPORT mm<br>3-4: N/A mm |
| 5.1                                         | Maximum permissible length:                                                                   | 18750 mm                                         |
| 6.1                                         | Maximum permissible width:                                                                    | 2550 mm                                          |
| 7.1                                         | Maximum permissible height:                                                                   | N/A mm                                           |
| 12.1                                        | Maximum permissible rear overhang:                                                            | N/A mm                                           |
| <b>Masses</b>                               |                                                                                               |                                                  |
| 14.                                         | Actual mass of the vehicle:                                                                   | N/A kg                                           |
| 14.1                                        | Distribution of this mass among the axles:                                                    | 1. N/A kg<br>2. N/A kg<br>3. N/A kg              |
| 15.                                         | Minimum mass of the vehicle when completed:                                                   | 14670 kg                                         |
| 15.1.                                       | Distribution of this mass among the axles:                                                    | 1. 3800 kg<br>2. 3170 kg<br>3. 7700 kg           |
| 16.                                         | Technically permissible maximum masses:                                                       |                                                  |
| 16.1                                        | Technically permissible maximum laden mass:                                                   | 29000 kg                                         |
| 16.2                                        | Technically permissible mass on each axle:                                                    | 1. 7100 kg<br>2. 10000 kg<br>3. 12500 kg         |
| 16.3                                        | Technically permissible mass on each axle group:                                              | 1. 7100 kg<br>2. 10000 kg<br>3. 12500 kg         |
| 16.4                                        | Technically permissible maximum mass of the combination:                                      | N/A kg                                           |
| 17.                                         | Intended registration/in service maximum permissible masses in national/international traffic |                                                  |
| 17.1.                                       | Intended registration/in service maximum permissible laden mass                               | See next stage CoC                               |
| 17.2.                                       | Intended registration/in service maximum permissible laden mass on each axle                  | See next stage CoC                               |
| 17.3.                                       | Intended registration/in service maximum permissible laden mass on each axle group            | See next stage CoC                               |
| 17.4.                                       | Intended registration/in service maximum permissible mass of the combination                  | See next stage CoC                               |
| 18.                                         | Technically permissible maximum towable mass in case of:                                      |                                                  |
| 18.1                                        | Drawbar trailer:                                                                              | N/A kg                                           |
| 18.3                                        | Centre-axle trailer:                                                                          | N/A kg                                           |
| 18.4                                        | Unbraked trailer:                                                                             | N/A kg                                           |
| 19.                                         | Technically permissible maximum static mass at the coupling point:                            | N/A kg                                           |
| <b>Power plant</b>                          |                                                                                               |                                                  |
| 20.                                         | Manufacturer of the engine:                                                                   | VOLVO                                            |
| 21.                                         | Engine code as marked on the engine:                                                          | D5K240                                           |
| 22.                                         | Working principle:                                                                            | Compression ignition, 4-stroke                   |
| 23.                                         | Pure electric:                                                                                | No                                               |
| 23.1                                        | Hybrid [electric] vehicle:                                                                    | Yes                                              |
| 24.                                         | Number and arrangement of cylinders:                                                          | Four in line                                     |

|                                   |                                                                                                           |                                                                                                                                                                                                                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 25.                               | Engine capacity:                                                                                          | 5132 cm³                                                                                                                                                                                                                  |
| 26.                               | Fuel: Diesel/petrol/LPG/CNG – Biomethane/LNG/Ethanol/Biodiesel/Hydrogen:                                  | Diesel                                                                                                                                                                                                                    |
| 26.1                              | Mono fuel / Bi fuel / Flex fuel/Dual-fuel:                                                                | Mono fuel                                                                                                                                                                                                                 |
| 26.2                              | (Dual-fuel only) Type 1A/Type1B/Type 2A                                                                   | N/A                                                                                                                                                                                                                       |
| 27.                               | Maximum net power or maximum continuous rated power (electric motor):                                     | 177 kW at 2200 min-1 / N/A kW                                                                                                                                                                                             |
| 28.                               | Gearbox (type):                                                                                           | AUTOMATIC                                                                                                                                                                                                                 |
| <b>Maximum speed</b>              |                                                                                                           |                                                                                                                                                                                                                           |
| 29.                               | Maximum speed:                                                                                            | 100                                                                                                                                                                                                                       |
| <b>Axles and suspension</b>       |                                                                                                           |                                                                                                                                                                                                                           |
| 30.1.                             | Track of each steered axle:                                                                               | 2120 mm                                                                                                                                                                                                                   |
| 30.2.                             | Track of all other axles:                                                                                 | 1915/1915 mm                                                                                                                                                                                                              |
| 32.                               | Position of loadable axle(s):                                                                             | Position N/A                                                                                                                                                                                                              |
| 33.                               | Drive axle(s) fitted with air suspension or equivalent:                                                   | Yes                                                                                                                                                                                                                       |
| 35.                               | Tyre/Wheel combination (h):                                                                               | Front: 275/70*22.5 7.50x22.5<br>Rear: 275/70*22.5 7.50x22.5<br>Trailing: 275/70*22.5 7.50x22.5                                                                                                                            |
| <b>Brakes</b>                     |                                                                                                           |                                                                                                                                                                                                                           |
| 36.                               | Trailer brake connections mechanical/electric/pneumatic/hydraulic:                                        | N/A                                                                                                                                                                                                                       |
| 37.                               | Pressure in feed line for trailer braking system:                                                         | N/A                                                                                                                                                                                                                       |
| <b>Coupling device</b>            |                                                                                                           |                                                                                                                                                                                                                           |
| 44.                               | Approval number or approval mark of coupling device (if fitted):                                          | N/A                                                                                                                                                                                                                       |
| 45.                               | Types or classes of coupling devices which can be fitted:                                                 | N/A                                                                                                                                                                                                                       |
| 45.1.                             | Characteristics of values: D .../V .../S .../U:                                                           | N/A                                                                                                                                                                                                                       |
| <b>Environmental performances</b> |                                                                                                           |                                                                                                                                                                                                                           |
| 46.                               | Sound level<br>Stationary:<br>Drive-by:                                                                   | 88/1650 dB(A) / min-1<br>74 dB(A)                                                                                                                                                                                         |
| 47.                               | Exhaust emission level (I):                                                                               | EU VI-B                                                                                                                                                                                                                   |
| 48.                               | Exhaust emissions:<br>Number of the base regulatory act and the latest amending regulatory act applicable | 595/2009*64/2012B                                                                                                                                                                                                         |
|                                   | 1.1 Test procedure: ESC                                                                                   | N/A                                                                                                                                                                                                                       |
|                                   | Smoke opacity (ELR):                                                                                      | N/A                                                                                                                                                                                                                       |
|                                   | 1.2 Test procedure: WHSC (EURO VI)                                                                        | CO: 20 / THC: 5 / NMHC: N/A<br>NOx: 32/ THC+NOx: N/A<br>Particulates(m): 7,2 (mg/kWh)<br>Particulates(n): 2,91 / NH3: 0,2                                                                                                 |
|                                   | 2.1 Test procedure: ETC                                                                                   | N/A                                                                                                                                                                                                                       |
|                                   | 2.2 Test procedure: WHTC (EURO VI)                                                                        | CO: 52 / NOx: 268 / NMHC: N/A<br>THC: 12 / CH4: N/A<br>Particulates(m): 6,2 (mg/kWh)<br>Particulates(n): 2,63 / NH3: 5,7                                                                                                  |
| 48.1                              | Smoke corrected absorption coefficient:                                                                   | 0,55 m <sup>-1</sup>                                                                                                                                                                                                      |
| <b>Miscellaneous</b>              |                                                                                                           |                                                                                                                                                                                                                           |
| 52.                               | Remarks:                                                                                                  | 16: Load capacity of fitted wheels may be lower than stated value. See next stage CoC item 16 (or/ and 17) for final values.<br>29: Speed limiter fitted, set to 100km/h or less. 30.1, 30.2: Lower values are permitted. |